Pacific Coastal Salmon Recovery Fund: Basic Project Inventory 2005

Project Ref	Grantee	Project Name	State
00-1884-2004	WA IAC	East Twin River LWD Placement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	12-MAR-01-30-JUN-05	Salmon Habitat Protection and Restoration	$77,473	$0	Puget Sound

Project Description

This project will help to re-establish the dominant ecological processes of East Twin River to improve and protect water quality and productive fish habitats. The project will restore wood to the channels to provide for natural storage and routing of sediment and cover for fish, help rebuild adequate riparian forests to improve fish habitat and water quality; and provide for vital off-channel winter habitat for salmon.

It is anticipated the project will create about 3 miles of improved spawning habitat, 3 miles of improved rearing habitat and 4 miles of improved riparian forest habitat. The WRIA 19 Limiting Factor Analysis verifies that these channel reaches are LWD depleted and suffer from excessive sedimentation. Logging activities have heavily impacted the riparian area.

LWD placement into Sadie Creek will be accomplished by tower and cable from existing landings and/or by helicopter. The Instream work in Sadie Creek will be done by a contracted "Spider".

LWD placement into the East Twin will primarily be constructed conifer logjams done by track hoe. Some on site wood will be utilized in the East Twin; however, logs will be trucked in to meet the wood requirement. The East Twin segment will be modeled to emulate the Deep Creek and Little Hoko Restoration Projects. The Sadie Creek segment of the project will be used to evaluate the feasibility of employing this restoration technique on a much larger scale on other wet side rivers.

Project Ref	Grantee	Project Name	State
03-1366-2004	WA IAC	Small Grants Program	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	26-SEP-03-30-SEP-05	Salmon Habitat Protection and Restoration	$0	$300,000	Washington

Project Description

The National Fish and Wildlife Foundation (NFWF) will conduct a pilot small grant program for smaller habitat projects in Washington watersheds. The pilot will occur in four areas of Washington to evaluate the value of such a program. NFWF will use federal funds to match the SRFB funds. NFWF will choose the pilot programs based on geographic considerations and readiness of local cosponsors. The pilot program will take place in Whatcom County (Nooksack), Snohomish County (Snohomish), Clallam County (North Olympic), and the Lower Columbia.

Project Ref	Grantee	Project Name	State
04-1209-2004	WA IAC	Chico Creek Instream Habitat Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$474,132	$0	Puget Sound

Project Description

Chico Creek, which flows to Dye's Inlet in Kitsap County, supports one of the largest runs of fall chum salmon (30,000-80,000 fish/year) in the south Puget Sound, as well as, coho, steelhead, cutthroat trout and occasional stray Chinook salmon.

The stream channel within the project reach has been channelized and disconnected from its historic floodplain. Large woody debris and riparian vegetation within the project reach is severely limited by adjacent land use. A set of concrete box culverts exists beneath Golf Course Hill Road. The culverts created a fish passage issue, which was addressed by the placement of a series of log weirs. These weirs provided adequate passage, but were spaced to closely together, creating a mechanism for the structure to be undermined or washed out. They have also promoted the development of an overly wide and shallow channel morphology. The weirs are located within a historic reach of quality salmon spawning habitat.

This restoration project will remove the log weirs, establish a more natural stream gradient, meander pattern and floodplain dimension. The riparian zone will be enhanced with native conifer tree species and shrub vegetation. Large woody debris will be placed within the channel to provide in-stream habitat, maintain the meander and stabilize bed material. This project will restore productive spawning habitat, provide high flow refuge and facilitate upstream migration to the other 16 miles of habitat in the upper watershed.

Project Ref	Grantee	Project Name	State
04-1217-2004	WA IAC	Arrowhead Lagoon Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JAN-05-30-SEP-07	Salmon Habitat Protection and Restoration	$0	$221,127	Puget Sound

Project Description

Arrowhead Lagoon (AL) is a nearshore pocket estuary located along the north shore of Camano Island. The lagoon is located along the path of currents from the Skagit and Stillaguamish Rivers, thereby providing refuge, foraging, and rearing opportunity for fry migrant Chinook, as well as a nursery and nearshore habitat for other estuarine/marine fish species.

Skagit River System Cooperative (SRSC), in cooperation with local landowners, proposes to restore approximately 2.0 acres of intertidal habitat within the eastern portion of AL. Currently natural ecosystem function is impaired due to manmade constrictions within the inner lagoon. Actions will include removal of trail fill, a failing culvert, and a short bridge; construction of a new bridge; removal of fill along the northern interior shoreline; and revegetation in selected areas.

This restoration proposal is timely because local landowners, represented by the Eagle Tree Estates Property Owners' Association (ETEPOA), have requested assistance for a failing culvert in the existing beach access trail fill. Removal of fill and construction of a spanning bridge would result in significant ecological improvement compared to the proposed culvert replacement alone. SRSC will work closely with the property owners to address beach access concerns and maximize restoration

Project Ref	Grantee	Project Name	State
04-1335-2004	WA IAC	Piner Point on Maury Island	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	03-DEC-04-01-OCT-05	Salmon Habitat Protection and Restoration	$398,980	$0	Puget Sound

Project Description

This project will permanently conserve 1/4 mile of Puget Sound shoreline, and its associated nearshore functions, through acquisition of a fee title interest in 5 parcels along the SE tip of Maury Island. Historic and current land use practices in King County have degraded nearshore habitats by interrupting habitat forming processes, degrading water and sediment quality, decreasing riparian functions, altering nearshore sand and gravel movement, and introducing non-native species. The WRIA 9 Strategy, the State of the Nearshore Report, and the Vashon-Maury Island Rapid Shoreline Inventory all recommend protecting currently functioning habitat. In addition to the five parcels the project has sparked interest from two adjacent property owners who are considering additional property donations if this Piner Point project is successful. The Maury Island shoreline has documented surf smelt spawning grounds, an important forage species for salmonids. The overhanging vegetation at the site improves the viability of these spawning grounds, provides organic inputs, and supports large woody debris recruitment, as well as a multitude of other classic riparian benefits. Piner Point is in both a landslide and erosion hazard area, as well as at the center of a littoral drift cell divergence zone, and for these reasons believed to be critical to nearshore sediment recruitment along Maury Island. Permanent conservation of Piner Point is an excellent nearshore conservation acquisition.

Project Ref	Grantee	Project Name	State
04-1338-2004	WA IAC	Lower Newaukum Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$788,581	$0	Puget Sound

Project Description

The Lower Newaukum Creek Restoration project seeks to restore channel, floodplain, and riparian conditions in the lower 1800 feet of Newaukum Creek. This would be accomplished by restoring a historic meander, setting back a berm and naturalizing the restored floodplain area, placing several engineered large woody debris jams in the channel and floodplain, and planting and supplementing the riparian buffer with appropriate native plants. Chinook spawn in Newaukum Creek in large numbers, comprising approximately 16% of the naturally spawning adult Chinook that enter the Green/Duwamish River Basin. This restoration project fits well with the WRIA strategy since it is identified in the Near-Term Action Agenda for Salmon Habitat Conservation within the Green Duwamish Watershed (May 2002, p. 74), WRIA 9 Lead Entity Strategy Matrix for SRFB Projects, and it is consistent with the Technical Strategy. While Newaukum Creek contributes to many of the Viable Salmonid Population parameters listed in the Technical Strategy, its most significant parameter involves spatial structure, which helps protect the population from naturally occurring hazards as well as human impacts. Consequently, this project will help maintain the diversity of spawning areas that are important to the long-term health of the Green/Duwamish population. The project also benefits coho, steelhead, chum, cutthroat, sockeye, and pink salmon. This funding request is for $788,581 to complete project design, permitting, construction, monitoring, and maintenance.

Project Ref	Grantee	Project Name	State
04-1354-2004	WA IAC	Shaw-Landsburg Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	03-DEC-04-31-AUG-06	Salmon Habitat Protection and Restoration	$0	$367,264	Puget Sound

Project Description

This acquistion project would protect 27.89 acres of habitat composed of 20 acres of riparian forest, 5.6 acres of upland forest, and 2.29 acres of spawning and rearing habitat. The project site is located in unincorporated King County within WRIA 8 from rivermile 20.5 to 21.3 (4,224 linear feet of river frontage).

This site is part of a larger 220-acre reach and the largest remaining, unprotected river frontage in the reach. Upon acquisition, the site will boost protection of target parcels in the overall reach to 75% complete. Protection of the site will ensure lateral and longitudinal connectivity within the reach.

In addition, protection of the site contributes to conservation at the larger WRIA scale. The lower Cedar River supports one of three independent chinook populations in the WRIA. Within the lower Cedar there has been further stratification into different types of core areas. The site is part of the critical Tier 1 core area that is considered essential to avert extinction of chinook within the lower Cedar.

Project Ref	Grantee	Project Name	State
04-1372-2004	WA IAC	Cedar Creek Fish Passage Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	10-JAN-05-31-JUL-06	Salmon Habitat Protection and Restoration	$0	$725,144	Pend Oreille

Project Description

The Cedar Creek Fish Passage Restoration Project will restore fish passage to approx. 10 mi. of proposed bull trout Critical Habitat by removing the Cedar Creek Dam, reconstructing the stream channel, and restoring riparian vegetation. Other benefits of the project are: restored stream channel form and function, reduced water temperatures below the dam, and elimination of risk to public health/safety from potential dam failure.

Cedar Creek is a tributary to the Pend Oreille River in northeastern Washington State (WRIA 62). Historically, bull trout from the Pend Oreille River and Lake Pend Oreille spawned and reared in WRIA 62 tributaries such as Cedar Creek. The Cedar Creek Dam has functioned as a barrier to fish migration for more than 50 years. In 1995 an adult bull trout was found above the dam and in 2003 an adult was found below the dam. This indicates that bull trout are utilizing the stream and that at least limited reproduction of resident bull trout has/is occurring above the dam.

The Draft Bull Trout Recovery Plan (USFWS 2002) identifies restoration of fish passage at the Cedar Creek Dam as an action necessary for recovery of bull trout in the Pend Oreille Core Area.

This project is identified in the Pend Oreille Lead Entity strategy as the top priority action for bull trout habitat restoration in the Cedar Creek subbasin, a high priority area in WRIA 62 (ranked #4 of 38 subbasins). The project enjoys a high level of community support and has no barriers to successful implementation.

Project Ref	Grantee	Project Name	State
04-1373-2004	WA IAC	Indian Creek Diversion Screening	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$113,735	Pend Oreille

Project Description

This project will reduce mortality of fry, juvenile, and adult salmonids, including ESA-listed bull trout, caused by water withdrawal and diversion from Indian Creek in the Pend Oreille watershed (WRIA 62). Three insufficiently screened water diversions will be screened to meet WDFW and USFWS screening requirements. This project will also improve fish passage at one of the diversions, which currently functions as a partial fish passage barrier. Water quantity in Indian Creek will be increased by improving diversion efficiency. One of the diversions currently utilizes an inefficient open ditch conveyance which will be converted to a pipe conveyance.

This project is identified in the Pend Oreille Lead Entity strategy as as the #2 "priority action" in the Indian Creek subbasin, a "high priority area" in WRIA 62. The project will occur in conjunction with other Indian Creek fish passage improvements currently underway through funding from the Family Forest Fish Passage and Landowner Incentive programs.

The Limiting Factors Report for WRIA 62 lists Indian Creek as "recoverable" habitat. Indian Creek is proposed to be designated bull trout critical habitat by the USFWS. Other native salmonids present in Indian Creek, which would also benefit from this project, include westslope cutthroat trout and mountain whitefish.

Project Ref	Grantee	Project Name	State
04-1379-2004	WA IAC	Kooskooskie Dam Fish Passage Enhancement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-MAR-05-31-MAY-08	Salmon Habitat Protection and Restoration	$0	$142,856	Middle Columbia

Project Description

The purpose of this project is to increase fish passage at an unused dam in the upper Mill Creek watershed east of Walla Walla, Washington.

In the early 1900s, a concrete diversion dam was built on Mill Creek, near Kooskooskie, for the city's water system. Changes to that system have left the dam unused for over forty years. The dam and adjacent property are now under private ownership.

The Kooskooskie dam is a passage barrier to juveniles and some adults of species that include ESA listed steelhead and bull trout. Upstream of the dam are fourteen miles of high quality spawning and rearing habitat in the upper Mill Creek watershed.

The Washington State Conservation Commission (2001) noted that upper Mill Creek is one of the few remaining refuges for summer steelhead and bull trout in the Walla Walla basin, and identified Kooskooskie dam as an obstruction on this reach of Mill Creek. The Mill Creek Technical Work Group has identified the dam as an impediment to fish production in the Mill Creek basin.

Removal of the dam (partial or complete) will eliminate height and velocity barriers, increasing the availability of the upper Mill Creek watershed to spawning and rearing by steelhead, bull trout, reintroduced spring Chinook, and non-salmonid fish species that provide food for salmonids. In addition to dam modification, this project will create in-stream habitat and rehabilitate adjacent riparian habitat.

Project Ref	Grantee	Project Name	State
04-1387-2004	WA IAC	Adams Creek Fish Passage Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	03-JAN-05-15-DEC-06	Salmon Habitat Protection and Restoration	$0	$61,959	Puget Sound

Project Description

Adams Creek originates in wetlands and flows 1.5 miles to its confluence with Gull Harbor, located approximately 5 miles north of downtown Olympia. The Adams Creek Fish Passage Project will remove a fish passage barrier low in the watershed and provide an additional 1 mile of upstream habitat for coho, chum and cutthroat. This project will provide financial and technical assistance to private landowners living on Adams Creek. The project will remove a 2.5' barrier culvert and replace it with a full span rail car bridge. This alternative was chosen as a cost effective method of restoring fuinction to the road crossing and salmon habitat. Landowners will be involved throughout all stages of this project including construction, planting, plant survival monitoring and maintenance. Gull Harbor has been the focus of on going conservation and restoration efforts.

Project Ref	Grantee	Project Name	State
04-1423-2004	WA IAC	Seahurst Park Nearshore Restoration, Ph1	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$190,500	Puget Sound

Project Description

The City of Burien proposes a nearshore restoration project along a 1,000 lineal foot section of Seahurst Park. The project entails removing shoreline armoring and restoring natural beach slopes and substrate grain sizes along the south section of the park where a gabion seawall is failing and scattering quarry spall throughout the intertidal zone. The City is partnering with the U.S. Army Corps of Engineers to construct this first phase of shoreline restoration that was recommended in a SRFB-funded Shoreline Habitat Alternatives Analysis. Subsequent phases will restore riparian vegetation and remove armoring along the remainder of the park.

Since being armored in the 1970s, beach elevations in Seahurst Park have dropped three to four feet due to wave scouring and the disconnection of the beach from primary sediment sources. The changes in the beach have significantly degraded its functional quality as habitat for salmon and the organisms they depend on, particularly forage fish.

The project goal is to restore self-sustaining nearshore habitat and ecological processes by removing shoreline armoring, reconnecting the sediment supply, and restoring the natural beach slopes and substrate sizes. At 169 acres and nearly one mile of shoreline, Seahurst Park can become one of the largest parcels in central Puget Sound with shoreline features that are uniformly favorable for salmonids. In this way, the proposed project provides an ideal opportunity to demonstrate nearshore restoration activities that support salmon.

Project Ref	Grantee	Project Name	State
04-1438-2004	WA IAC	Close Property Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$1,725	$0	Puget Sound

Project Description

This project will acquire nearly 560-feet of high quality nearshore habitat. The Close Property features an active feeder bluff, mature mixed-stand marine riparian forest, and a mixed-course sediment beach with large woody debris, sorted sediments, and associated aquatic habitats. The nearshore in the project area has been documented to support a great diversity of salmonid species and important prey resources, including chinook, chum, coho, pink, cutthroat, steelhead, sand lance, surf smelt, and herring. The project area may support other salmonid species, such as bull trout. This project will protect on-site habitats and functions important to the success of salmonids and their prey resources in the nearshore. Based on the Bainbridge Island Nearshore Assessment, a SRFB funded project, we know the Close Property is a priority conservation area located within an at-risk drift-cell. The project is important to maintaining properly functioning conditions along a drift-cell that contains very sensitive habitats, including a stream subestuary/lagoon, a pocket estuary, and forage fish spawning areas. The Close Property is at-risk of being sold & developed, but can become a significant part of a larger system of nearshore and terrestrial habitat conservation if acquired. This grant request will contribute to the acquisition of the nearshore portions (i.e. intertidal and marine riparian habitat) of the 64-acre Close Property, which abuts the 318-acre Gazzam Lake Park and Wildlife Preserve.

Project Ref	Grantee	Project Name	State
04-1448-2004	WA IAC	PUD Bar Habitat Enhancement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	06-DEC-04-31-MAY-09	Salmon Habitat Protection and Restoration	$269,485	$0	Lower Columbia

Project Description

The PUD Bar project consists of the rehabilitation of approximately 0.2 miles of the Grays River in the vicinity of RM 11.8. The site is in private ownership. This project aims to improve habitat complexity for 4 listed species and provide spawning opportunities by creating a series of eight (8) riffle/pool sequences where only one pool and two - 500 foot long riffles now exist. Because of the river's recent migration (1999 to present) in this reach, all riparian vegetation, other than grass and blackberries, has been washed away. This results in unnecessary heating of the water through this reach and removal of all possible over-water cover. Water temperature has been identified as an issue in the Grays River Watershed. Further study is on-going. This has brought the river under 305b listing. Contributing factors to the higher temperatures are high width/depth ratios, increased sediment load and lack of riparian vegetation, all present in the project site. A lack of in-water LWD was also observed through this site.

The addition of large woody debris (LWD) proposed in this project will provide hiding refugia and channel stability. Project objectives include the installation of one rock "W" vane, one large woody debris jam, and 6 J-hook vanes. Wood will also be incorporated into the proposed stone vane structures. The entire area (5 acres) will be revegetated with Western red cedar, Redosier dogwood, willow (spp), Douglas fir and Western Hemlock.

Project Ref	Grantee	Project Name	State
04-1461-2004	WA IAC	Dryden Fish Enhancement CMZ Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$146,000	$0	Upper Columbia

Project Description

The Dryden project is a cooperative habitat enhancement project designed to help endangered spring chinook, endangered summer steelhead trout and other salmonids within the lower Wentachee River. The town of Dryden is located on property owned by WDFW on river mile 15 of the Wenatchee River in Chelan County Washington. The site consists of 8.8 acres of flood plain and riparian shoreline. Development along the main stem Wenatchee River has caused significant loss of off-channel habitat and floodplain function. Much off-channel habitat has been taken out of salmonid production through past land use practices and stream habitat alterations and fragmentation. The Wenatchee River is critically important to the recovery of salmon and the overall restoration of the watershed.

The objective of the project is to create prime, high quality, year-round rearing habitat, predator escape cover, and high flow refuge areas for endangered spring chinook salmon, endangered summer steelhead and other important Wentachee River salmonids. Potentially, the project could play a critical role in the overall salmonid recovery strategy in this stretch of river and function as a catalyst for other joint cooperative salmonid restoration projects.

Project Ref	Grantee	Project Name	State
04-1464-2004	WA IAC	Oakland Bay/Malaney Creek Habitat Acq.	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$655,300	$0	Puget Sound

Project Description

With this grant, Capitol Land Trust and Mason County will permanently protect through fee acquisition, a 95-acre parcel containing 2000 feet of intact, functional marine shoreline, nearshore and estuarine habitat on upper Oakland Bay as well as approximately ¾ miles of Malaney Creek riparian habitat from estuary to uplands. A rich and diverse native vegetation buffer lines the property's marine shorelines and associated uplands, providing feeding, resting and transitioning habitat for salmonids (chum, chinook, cutthroat, steelhead, sockeye and coho) and an excellent recruitment source of Large Woody Debris (LWD). The project site's forested riparian channel provides habitat for adult and juvenile salmonids (coho, chum, steelhead and cutthroat).

This project builds upon cooperation, leveraging strong partnerships and financial support to acquire intact nearshore, estuary and riparian habitat. The project compliments the Malaney Creek Fish Passage Project funded in Round 4. The project site was identified as a Priority Conservation Area in the 2002 Oakland Bay/Hammersley Inlet Nearshore Habitat Assessment.

The project site is one of the region's largest remaining intact shoreline properties and is threatened by development. The property's owner has kept the property off the market for two years to enable conservation efforts, but has indicated that the property will be put up for sale in January 2005 if not not already acquired. Current regulations would allow for 19 homes along the shoreline.

Project Ref	Grantee	Project Name	State
04-1470-2004	WA IAC	Hiawata Fish Passage Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$440,064	Puget Sound

Project Description

Hiawata Creek Fish Passage project is located 600m upstream of the estuary in Pickering Passage near Allyn, WA. Hiawata Creek is a small drainage that supports chum, coho, coastal cutthroat, and resident fish. The upper wetland headwaters provide rich rearing opportunities while the lower stream reach provides spawning opportunities. The PI # for Hiawata Creek at Island View Road is 20.

The existing concrete culvert is undersized and failing. Due to high flows, large outfall drop and the small diameter culvert, the downstream channel has become severely degraded. A 60m section that has eroded and has become an unnatural gradient barrier for salmon. In the mid-1980's, the WDFW installed a roughened channel fishway downstream and installed baffles inside the culvert. This approach worked for about 6 years, providing salmon access to the upper watershed. WDFW monitored the salmon usage and observed a peak high of 40 coho and 860 chum.

This project will install a pre-stressed concrete bridge structure that will improve fish passage. The 65' span and 24' wide bridge will be reinforced concrete and steel pile abutments. The downstream channel will need to be re-graded and the channel alignment reconstructed to provide sufficient flow depth for fish passage during low flow. This reach of stream has a 6% slope and exceeds widths of 25' in places. The remainder of the stream channel will receive LWD & boulders to assist in facilitating natural channel formation.

Project Ref	Grantee	Project Name	State
04-1485-2004	WA IAC	Fulton Dam - Barrier Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JAN-05-01-DEC-08	Salmon Habitat Protection and Restoration	$364,018	$0	Upper Columbia

Project Description

Proposed Work
Fulton Ditch relies on a rock dam at RM 0.7 on the Chewuch River. The Dam height of 7 feet effectively blocks fish passage at low flows. Passage is provided through a denile structure.

This application seeks funding to replace the rock dam with a partial span structure with high flow gates. Improved fish passage will be provided by constructing a roughtened channel to replace the denile. This channel will average 20 feet in width and 100 feet in length with a 4% slope.

Problems addressed
The existing dam is a partial passage barrier for listed species. Use of the denile for fish trapping and collection is no longer required by Douglas PUD. Re-construction of the dam and roughened channel will provide improved passage for listed species at all flow levels while maintaining irrigation viability.

Why important at this time
The Chewuch Basin Council is working with each of the Chewuch River ditches and state and federal agencies to address adverse impacts to passage, spawning and rearing in the lower 8 miles of the Chewuch River. Removal of the passage barriers and increasing river flows are identified as priorities in the draft HCP under development for the Chewuch Basin. Efficiency improvements have significantly improved flow over the past 4 years but do little to address passage limitations. Removal of the existing dam at RM 0.7 will provide improved fish passage at all flows to the lower 8 miles. Funding for this project is essential to adoption of an HCP.

Project Ref	Grantee	Project Name	State
04-1489-2004	WA IAC	Chewuch Dam - Barrier Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JAN-05-01-DEC-08	Salmon Habitat Protection and Restoration	$110,279	$0	Upper Columbia

Project Description

The Chewuch Canal relies on a concrete dam at RM 8.0 on the Chewuch River. The full channel structure requires placed flashboards for diversion at low and moderate flows. The structure effectively blocks passage at low flows. Marginal fish passage is provided through a denile.

This application seeks funding to replace the existing dam with a partial span structure with a roughened channel to replace the denile. This channel will average 20 feet in width and 100 feet in length with a 4% slope.

The existing dam is a partial passage barrier for listed species. Use of the denile for fish trapping and collection is no longer required by Douglas PUD. Re-construction of the dam and roughened channel will provide improved passage for listed species at all flow levels while maintaining irrigation viability.

The Chewuch Basin Council is working with each of the Chewuch River ditches and state and federal agencies to address adverse impacts to passage, spawning and rearing in the lower 8 miles of the Chewuch River. Removal of the passage barriers and increasing river flows are identified as priorities in the draft HCP under development for the Chewuch Basin. Efficiency improvements have significantly improved flow over the past 4 years but cannot address passage limitations alone. Removal of the existing dam at RM 8.0 will remove the final barrier to increased access to the upper 30 miles of the Chewuch River. Funding for this project is essential to adoption of an HCP.

Project Ref	Grantee	Project Name	State
04-1492-2004	WA IAC	Chewuch Basin Riparian Protection	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	03-JAN-05-31-DEC-08	Salmon Habitat Protection and Restoration	$425,000	$0	Upper Columbia

Project Description

Over the past four years the Methow Conservancy has protected a total of 10.8 miles and 680 acres of riverfront habitat with conservation easements. According to the Limiting Factors Analysis and the Lead Entity Strategy, protecting functional habitats is a top priority for protection of salmonid fish. The Methow Conservancy now has both the expertise and community endorsement to protect a significant block of privately owned spawning habitat in the Chewuch Basin.

The Chewuch Basin provides spawning areas for approximately 25% of the Spring Chinook salmon in the Methow Watershed, and also supports spawning steelhead, cutthroat trout, coho and bull trout. The lower eight miles of the Chewuch basin are nearly all privately owned, with development pressure leading to removal of riparian vegetation, loss of woody debris, sedimentation, bank stabilization and water pollution. According to USFS biologist Jennifer Molesworth, the condition of the lower eight miles of the Chewuch basin significantly contributes to the spawning success for all fish in the basin.

This project will permanently decrease pressure from residential development and dispersed recreation by placing conservation easements on 150 acres of private land and 2.4 miles of riverfront habitat. Easement purchases for the four targeted properties will cost approximately $496,000 (fee simple purchase would total approximately $1,300,000).

Project Ref	Grantee	Project Name	State
04-1494-2004	WA IAC	Rockview Diversion, Methow River	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JAN-05-15-DEC-05	Salmon Habitat Protection and Restoration	$60,715	$0	Upper Columbia

Project Description

The Rockview diversion is located on the Big Valley Ranch Unit of the Methow Wildlife Area in the upper Methow River sub-watershed. The diversion is situated below the Weeman Bridge at Methow River mile 60.6, approximately 8 miles northwest of the town of Winthrop, WA.

Lack of functioning side channel habitat and woody debris are identified as limited factors for ESA listed fish in the Methow Sub-basin (WSCC 2000). The present Rockview screen, which was built in 1965, does not meet current NMFS or WDFW criteria for fish protection, including criteria for approach velocities, sweeping velocities, screen orientation or bypass return. The quantity of intact, and in some cases, nearly pristine habitat within the Methow sub-basin, in concert with the presence of six species of fish (spring Chinook - endangered, summer steelhead - endangered, bull trout - threatened, redband trout - species of concern, pacific lamprey - species of concern, and westslope cutthroat - species of concern), make the Methow sub-basin a regional priority for salmon restoration activities.

Proposed in this application is to remove the Rockview diversion and install a well that would in turn replace 5.37 cfs of water to the Methow River.

Project Ref	Grantee	Project Name	State
04-1498-2004	WA IAC	Shale Creek Fish Passage Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-FEB-05-15-NOV-06	Salmon Habitat Protection and Restoration	$0	$123,250	Washington Coastal

Project Description

The proposed project is to remove the instream and upslope hatchery facility on Shale Creek (WRIA# 21.0041). The facility was constructed in 1987 by WDFW in cooperation with the Quinault Nation for the purpose of enhancing the Queets/Clearwater coho run. The facility is no longer being used since a hatchery was constructed on the Salmon River, a tributary to the Queets River. The facility is unmanned and the instream water control structure spanning Shale Creek collects large amounts of woody debris causing the associated concrete apron to down cut. The combination of occlusion and down cutting at the apron is resulting in a fish barrier.

WDFW construction crews would do the proposed work.

The anticipated benefits are:

#1 Provide salmon, steelhead, resident/sea-run trout access to over 10 miles of spawning and rearing habitat.

#2 Provide for the free movement of LWD and sediments downstream and in effect restore habitat connectivity.

Both actions are specifically outlined and recommended for Salmonid Habitat Restoration Actions in the Queets Basin (Smith & Caldwell, 2001; LFA WRIA 21).

Project Ref	Grantee	Project Name	State
04-1503-2004	WA IAC	Entiat R. BridgeToBridge Reach Rest. Ph1	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	03-JAN-05-30-JUN-08	Salmon Habitat Protection and Restoration	$102,555	$0	Upper Columbia

Project Description

The CCCD, on behalf of the Entiat WRIA Planning Unit (EWPU), will implement Phase I of a full ~1.2 RM reach restoration in the lower mainstem Entiat River. The "Bridge-to-Bridge" (B-to-B) reach (~RM 3.2 to RM 4.4) is the highest priority restoration area in WRIA 46. Past activities that have altered the lower Entiat River include logging, dams, stream clearing; channelization, filling & flood control protection works. Riparian vegetation has been removed by fire & development. The B-to-B effort addresses lack of off-channel rearing habitat, temperature extremes & habitat simplicity. It will restore geomorphology, floodplain function, habitat complexity/diversity, off-channel habitat, and shading, benefiting adult & juvenile Chinook, steelhead & coho. At the end of Phase 3, the reach will be restored to its geomorphic potential (e.g. now 0.3 pools/mi, restored to 9 pools/mi). The EWPU supports this 3-phase project, developed via 10 years of planning. Actions proposed are based on geomorphic, biologic, hydrologic & thermal analyses. Funding for Phase 1 will be used to: (a) restore ~1000 contiguous ft. of riparian vegetation to improve stream temperatures, bank condition, cover, nutrient inputs; (b) provide juvenile off-channel rearing habitat via rock/LWD placement in ~700 ft. irrigation ditch; (c) install 2 instream structures to direct flow to the off-channel habitat and restore resting pools in the lowest portion of the reach. A ditch outfall structure will also be added.

Project Ref	Grantee	Project Name	State
04-1508-2004	WA IAC	Jones Shotwell Screen and Diversion	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$257,044	$0	Upper Columbia

Project Description

The Jones-Shotwell Ditch Board proposes to modernize their diversion facilities to comply with NOAA Fisheries criteria, improve fish passage, and enhance the habitat for threatened and endangered salmonid species at their diversion site in Monitor, WA. The existing diversion features consist of a rock wingdam, a 600 foot long man-made diversion channel, a traveling belt screen, and a forebay water surface control check structure.

Replacing the rock wingdam with a permanent rock structure will allow the district to divert water without having to rebuild its instream diversion annually. Reworking the diversion channel, including removal of some concrete structures and adding habitat elements, will eliminate the need to periodically excavate the channel to remove the continuously deposited sand and silts. These actions will improve valuable salmonid habitat.
The existing fish screens are at the end of their useful life and do not comply with the current NOAA Fisheries juvenile passage and protection criteria. Their replacement will prevent entrainment and impingement of juvenile salmonids, which is critical considering the habitat value that WDFW places on the diversion channel.

The forebay structure is a passage barrier to adult salmon attempting to enter the diversion channel from the downstream end. Building passage over the structure will allow downstream access to the diversion channel. WDFW has requested upstream passage for salmonids at this forebay check structure

Project Ref	Grantee	Project Name	State
04-1509-2004	WA IAC	Peshastin Creek Fish Barrier Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$70,000	Upper Columbia

Project Description

This project would build a fish passage structure at the Peshastin Irrigation District diversion structure on lower Peshastin Creek. The structure will allow access to spawning and rearing habitat for steelhead, bull trout and spring Chinook. The project would locate a roughened channel fishway at a channel slope of 3.9% upstream from the dam axis on the left abutment. Project also includes installation of fish screen at head gates. The dam would be notched for a 16ft width. From that notch the roughened channel fishway would extend upstream for approximately 87 feet. The fishway would have two training walls for the entire length. The walls would extend to elevation 1180 (same as the left abutment elevation) and be constructed of steel plate sections with rock support. The channel would be trapezoidal in cross section with 2:1 side slopes and 3ft bottom width. Boulders would be placed in the fishway invert to create a meandering flow pattern and provide shelter for fish. Two boulder weirs would be placed immediately downstream from the fishway exit to backwater flashboard weirs at the channel's upstream exit. These weirs are required to meet hydraulic drop criteria of 6 inches. The upstream exit would be controlled by 8 flashboard bays. Incidental creek channel reshaping will be required to connect the fishway invert to the existing thalweg up and downstream. The existing dam notch would be closed when the fishway is in use.

Project Ref	Grantee	Project Name	State
04-1539-2004	WA IAC	N.Fk. Coppei Creek Conservation Easement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-MAR-05-31-DEC-06	Salmon Habitat Protection and Restoration	$26,898	$0	Middle Columbia

Project Description

This project will result in a conservation easement on approximately 40 acres in the Coppei Creek drainage in eastern Walla Walla County. The easement will protect a perennial spring and protect the quality of water from the spring that feeds into the steelhead bearing North Fork of Coppei Creek.
The proposed easement was once in agricultural use, and is surrounded by lands in agriculture. The potential exists for the land of the proposed easement to return to agriculture. By protecting the acreage in a permanent conservation easement, the spring-fed drainage will be protected on both sides along its entire one mile length from development, protected from livestock use, and protected from commercial agriculture. Riparian and upland vegetation will be maintained where they already exist, with future habitat enhancement planned.
Coppei Creek, its forks, and the entire Coppei drainage are ranked by the Walla Walla Subbasin Plan (draft) and by the Snake River Salmon Recovery Board (regional lead entity) as priority reaches for steelhead protection and restoration. Development pressures are increasing throughout the basin. Similar scenic county lands nearby are being sub-divided and developed. Protecting this acreage in a permanent conservation easement will prevent development or a return to agriculture in a drainage that directly feeds the North Fork of Coppei Creek. Currently this acreage is not protected from those uses.

Project Ref	Grantee	Project Name	State
04-1546-2004	WA IAC	Sadie/Susie Barrier Removals	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	15-FEB-05-31-DEC-05	Salmon Habitat Protection and Restoration	$248,407	$0	Puget Sound

Project Description

DNR's project will benefit the low-gradient headwater wetlands and feeder tributaries to both Sadie Creek (Tier 2, East Twin River System) and Susie Creek (Tier 1, Lyre River System). The area is laced with productive tributaries and wetlands that are characterized by clean, cold ground-water fed, low-gradient, gravel-bedded channels. The area supports high densities of salmonids, especially coho, also cutthroat trout and steelhead. Data from the Lower Elwha Klallam Tribe show these areas produce a high percentage of the coho in both the East Twin and Lyre Rivers.

The project will eliminate five culverts that block or partially block salmonid streams, thus reestablishing natural habitat processes including stream hydrology, transport of LWD, sediment and nutrients. Project specifics:
·Site 1 and 4: bridges replace existing pipes and LWD placement at site 1;
·Site 2, 3, and 5: WDFW stream-simulation type design replacement pipes and LWD placement at site 3.

The project supports SRFB efforts to restore channel and riparian habitats in Sadie Creek and the E. Twin River, as well as long term monitoring under the Intensively Monitored Watershed (IWM) program.

Area residents strongly support salmon restoration, have spent thousands of their own dollars; hundreds of hours of volunteer time on restoration and monitoring activities. They have conservation easements on 4 downstream parcels on the E. Twin River, representing more than half of the private riparian land on this system.

Project Ref	Grantee	Project Name	State
04-1559-2004	WA IAC	Baker Bay Estuary Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JAN-05-01-NOV-07	Salmon Habitat Protection and Restoration	$0	$115,679	Lower Columbia

Project Description

The Baker Bay Estuary Restoration project is a unique opportunity to restore 98 acres of estuarine intertidal wetlands and associated forested uplands on the mouth of the Wallacut River in Pacific County. This property is privately owned, and represents some of the last undeveloped tidelands and shoreline in Baker Bay. Restoration involves breaching the dike along the Wallacut River in several places, removing a tidegate, restoring historic tidal channels, removing one culvert crossing, and building a setback levee to protect an existing house. Over forty acres of this property will be restored to estuarine intertidal wetlands, which provide excellent nursery and rearing habitat for juvenile salmonids. These habitats are also very important for wintering waterfowl. Chinook, coho and chum salmon from all Columbia Basin stocks are expected to benefit from this restoration. Ducks Unlimited Inc. and other partners are actively pursuing the acquisition of fee title or a conservation easement to permanently protect the restoration activities on this project.

Project Ref	Grantee	Project Name	State
04-1563-2004	WA IAC	Germany Creek Conservation/Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	03-DEC-04-30-JUN-07	Salmon Habitat Protection and Restoration	$0	$545,360	Lower Columbia

Project Description

Columbia Land Trust and project partners propose to permanently protect 155 acres of critical riparian and floodplain habitat, and restore habitat functions for spawning, rearing and migrating salmonids along the lower mile of Germany Creek in Cowlitz County. The property is part of an estate settlement and is threatened with sale and development. This project will rehabilitate approximately 250 feet of an old creek channel to provide chum salmon spawning habitat, restore/enhance 2.5 acres of off-channel rearing habitat for a variety of salmonid populations, and manage the riparian habitat to enhance its value for salmon as well as watershed function.

The creek supports steelhead, coho, cutthroat, chinook and an important population of chum salmon. It is identified as a priority watershed for salmonid recovery by the LCFRB, and it is located in the highest priority reach and subwatershed for most of the populations using Germany Creek. All species in the watershed use the site for migration, spawning and rearing needs; Chum salmon use this area for spawning and incubation. The intertidal portion of the site can be utilized by other Columbia R. populations for refugia, rearing and migration. The project addresses a number of watershed limiting factors: floodplain connectivity, riparian condition, side channel availability, sediment loading, and habitat diversity. The project is located in close proximity to other conservation projects including Abernathy Cr. and Crims Island.

Project Ref	Grantee	Project Name	State
04-1568-2004	WA IAC	Garfield County Irrigation Screening Pro	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	15-JAN-04-31-OCT-06	Salmon Habitat Protection and Restoration	$51,000	$0	Lower Snake

Project Description

Project proposal will provide cost share funding to landowners involved in the Pomeroy Conservation District's and WDFW's Voluntary Screen Compliance Program. This SRFB 5th Round proposal is to identify and cost share for the installation of 30 screens located throughout Garfield County on the Pataha, Deadman, Meadow, and Alpowa Creeks.

The District is the Garfield County lead and sponsor of this project and is recruiting landowner involvement in watershed and salmon recovery efforts. Regionally, fish barriers and screens are the highest priority for action due to immediate and long-term benefits while addressing "Take" potential.

The Alpowa, Deadman, Meadow and Pataha Creeks are identified in WRIA 35 Limiting Factor Analysis, Pataha Model Watershed Plan and NWPCC Subbasin Planning efforts as spawning and rearing reaches for ESA listed steelhead.

The scope of this proposal will include assessment of current screen conditions, design for compliant screen condition, screen installation meeting compliance conditions. The program will require WDOE water right vertification and meet WDFW and NMFS screen design requirements.

This is a critical component of the various planning efforts in Southeast Washington and provides the landowner cost share funding incentive during depressed agricultural economic times.

Project Ref	Grantee	Project Name	State
04-1570-2004	WA IAC	Fort Columbia Tidal Wetland Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JAN-05-31-AUG-06	Salmon Habitat Protection and Restoration	$0	$168,521	Lower Columbia

Project Description

Historically, a distributary of the Chinook River entered Baker Bay approximately 4 miles south of the river's primary terminus. The construction of the Highway 101 causeway and installation of a 24" culvert perched above the Mean Higher High Water mark disconnected the river and associated floodplain from the Columbia River estuary. As a result, 96 acres of historic tidal wetland habitat was converted into freshwater wetland. The sustained delivery and deposition of sediments into the altered floodplain area continues to increase wetland's elevation.

The project objectives are to: 1) re-establish the connection between the distributary of the Chinook River and its associated wetlands with the greater Columbia River estuary and; 2) restore access to the restored tidal wetland for fish and wildlife species. Removing and replacing the existing undersized culvert with a structure that will maximize tidal influence while maintaining flood protection for adjacent private properties will achieve the project goals. A continual connection with the Columbia River estuary would result in formation of a network of freshwater/brackish water tidal sloughs and channels. The Chinook River supports populations of Lower Columbia Fall Chinook salmon (ESA Threatened), coho salmon (ESA Candidate), and chum salmon (ESA Threatened) as well as steelhead trout and coastal cutthroat trout (Washington State Special Concern).

Project Ref	Grantee	Project Name	State
04-1573-2004	WA IAC	Lower Washougal Restoration-Phase 1	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	15-JAN-05-31-MAY-09	Salmon Habitat Protection and Restoration	$199,999	$0	Lower Columbia

Project Description

The lower Washougal River restoration project will address degraded floodplain conditions and functions identified by the LE and WDFW as limiting salmon production in the lower one mile of the watershed. The project will directly benefit a primary population of ESA listed chum salmon and a contributing population of ESA listed chinook salmon. Other species frequenting the treatment reach at various times in their life history include coho salmon, sea-run cutthroat trout and ESA listed summer and winter steelhead. Project partners include the City of Camas, Georgia-Pacific, Burlington Northern-Santa Fe, Lower Columbia River Estuary Partnership, Concrete Products, Inc. and several private property owners.

The first phase of this project has three primary objectives: 1) construct two riffles just downstream of the old in-stream gravel quarries, allowing natural watershed processes to eventually fill the holes in the floodplain created by past mining activities. 2) Restore rearing complexity in the mainstem and abandoned quarries by adding LWD and boulder clusters, and 3) Rehabilitate three abandoned gravel quarries as ten acres of off-channel rearing habitat. The low cost of this project is made possible by incorporating into the project the abundant natural materials (boulders) left over from the gravel mining that ended in the mid 1970's. The property is owned by the City of Camas and Georgia-Pacific.

Project Ref	Grantee	Project Name	State
04-1575-2004	WA IAC	Upper Washougal River LWD Placement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	15-JAN-05-30-NOV-07	Salmon Habitat Protection and Restoration	$287,644	$0	Lower Columbia

Project Description

The upper Washougal River LWD project will address degraded floodplain conditions and functions identified by the LE and WDFW as limiting salmon and steelhead production in the upper watershed.

This project will treat specific reaches of the mainstem Washougal River from RM 15 to approximately RM 22 that have become deeply incised in a bedrock channel due to log drives and catastrophic forest fires in the late 1800's and early 1900's. The project will directly benefit a primary population of ESA listed summer steelhead, as well as contributing populations of ESA listed chinook and winter steelhead. Other species present in the treatment reaches include coho salmon, resident cutthroat and rainbow trout, and mountain whitefish.

The objectives of the project are to increase in-stream cover, increase spawning and rearing areas, increase pool depth, decrease channel width, and increase sub-surface flows. Meeting these objectives will also result in increased macro-invertebrate populations, a reduction in water temperatures and greater retention of organic material necessary for increasing watershed productivity. The objectives will be accomplished by constructing engineered log jams (ELJ's) and log/ boulder complexes capable of withstanding peak flows. These structures will be designed by a team of engineers and biologists to ensure long term stability and function as fish habitat. Project partners include DNR, Longview Fiber, WDFW and Skamania County.

Project Ref	Grantee	Project Name	State
04-1585-2004	WA IAC	Spencer Island Estuary Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JAN-05-30-NOV-08	Salmon Habitat Protection and Restoration	$0	$297,686	Puget Sound

Project Description

The Spencer Island Estuary Restoration Project will completely restore 400 acres of estuarine intertidal wetlands in the Snohomish River estuary. The project site, owned by the Washington Department of Fish and Wildlife, is one mile east of Everett, Washington. Restoration on the site will be accomplished by removing existing levees, filling drainage ditches, and re-establishing old tidal sloughs and channels. The restoration of natural tidal functions and processes will encourage the re-establishment of native wetland flora.

Estuarine habitats provide critical resources to Chinook and coho salmon, and other salmonids. Chinook and coho are highly dependent on estuarine habitats as juvenile rearing areas. It has been estimated that as much as 85% of the historic tidal marsh has been lost due to construction of levees and tide-gates. Most of the natural edges of estuarine channels have been replaced by constructed levees. Intensive modifications within the watershed have led to significant water quality problems in the estuary.

The restoration of natural tidal marshes, channels and sloughs has been identified as a "First Priority" for salmon restoration. This project will restore 400 acres of estuarine emergent, scrub-shrub and forested wetland habitats, providing extensive rearing habitat for Chinook and coho salmon. Bull trout will use the site as overwintering and foraging habitat. Many other species of fish and wildlife will also benefit from the project.

Project Ref	Grantee	Project Name	State
04-1589-2004	WA IAC	Dungeness River Railroad Bridge Restorat	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$729,065	$0	Puget Sound

Project Description

Eleven large logjams will be placed in the RR Bridge reach of the Dungeness River (Fig 2a,b). The 11 jams, along with previously placed jams, and a few natural jams will create a matrix of "hard points" (jams) at specific sites along the RR Bridge reach channel network. Riparian reforestation of black cottonwood will accompany logjam construction.

As recently as the early 1980's, Clallam County regularly piled and burned LWD in the Dungeness River. This contributed to a loss of structural complexity and LWD sufficiently sized to function in the river. Since then the habitat has been recovering, but lacks stable logjams. A spring 2000 field trip with local and regional restoration experts recommended concentrating on reach-level habitat restoration. Tim Abbe was hired to develop a conceptual plan, completed in 2002 (PWA 2002).

This 1.2% gradient reach is very active with frequent channel avulsions, a wide floodplain with multiple side channels, a substrate on average too large for spawning, and a range of riparian forest types and ages. The hard points will create salmonid high flow refugia and rearing pools within and upstream of each jam, gravel bars will be stabilized downstream of each jam for riparian forest establishment and further downstream, spawning (Abbe 2000). A network of jams will establish a minimum level of channel complexity, sinuosity, and pool frequency regardless of the active channel position through time (PWA 2002).

Project Ref	Grantee	Project Name	State
04-1594-2004	WA IAC	Rainier Beach Lake Shoreline Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$350,000	$0	Puget Sound

Project Description

The Rainier Beach Lake Park Shoreline Restoration project would increase the amount & quality of littoral habitat in southern Lake Washington along critical juvenile Chinook salmon migratory corridor between the Cedar River & Puget Sound. These fish depend upon Lake Washington for both rearing and migration. However, extensive modifications of the shoreline from bank armoring, overwater structures and removal of riparian vegetation have severely restricted the quantity and quality of shallow water areas that juveniles rely upon for rearing and refuge.

The project would restore 700 feet of shoreline by removing bank armoring, bank regrading, removing in-water debris and improving riparian conditions, converting a defunct marina to prime shallow water habitat. The project will primarily benefit juvenile Chinook, which have been documented using the relatively natural portions of the site. The WRIA 8 Technical Committee's Ecosystem Diagnosis and Treatment modeling has found that restoration in the southern portion of Lake Washington, as well as the lower Cedar River, has the largest beneficial effect on Cedar River Chinook population numbers of any area in the WRIA 8 watershed. The Rainier Beach project will complement several other efforts by the City of Seattle to expand rearing habitat in southern Lake Washington.

Project Ref	Grantee	Project Name	State
04-1596-2004	WA IAC	Lower Tolt River Floodplain Reconnection	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-MAR-05-31-DEC-08	Salmon Habitat Protection and Restoration	$700,000	$0	Puget Sound

Project Description

The Lower Tolt Floodplain Reconnection project seeks to restore active floodplain area in the lower ½ mile of the Tolt River by setting back levees and allowing the river to meander through the restored floodplain area. The WRIA 07 Recovery Strategy specifically targets levee setbacks/ removals along important spawning and rearing reaches of the major rivers in the Snohomish Basin as priority actions in its salmon habitat protection and restoration strategy (Snohomish Basin Salmon Recovery Forum, 2003, p. 15). Implementation of the Tolt project is expected to restore side channel habitat and pool and riffle character to the main channel. The general project components are removal of 2500 feet of levee along the right bank of the Tolt River, construction of a set back levee roughly 800' behind the existing levee, potential placement of LWD to encourage the formation of desired habitat features, floodplain planting, and the construction of interpretive and recreational elements to offset impacts to existing recreational uses in the park. Snoqualmie Fall Chinook spawn in the Tolt River in large numbers, comprising 17.5% of the annual escapement averaged over the last five years (WDFW). In 1997, 27.5% of the Snoqualmie run spawned in the Tolt River. This funding request is for $700,000 to construct the project (total project cost is expected to be $2,500,000). The Salmon Recovery Funding Board previously awarded $70,000 for a feasibility study and $200,000 for design.

Project Ref	Grantee	Project Name	State
04-1605-2004	WA IAC	Gose Street Fish Passage Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$122,829	Middle Columbia

Project Description

The Mill Creek drainage has 52 miles of stream habitat with potential to be a major production area for ESA listed Mid-Columiba Steelhead trout, recently reintroduced spring Chinook salmon and ESA listed bull trout due in part to the fact that much of the upper watershed is a protected water supply catchment of Forest Service land. The problem with the Mill Creek drainage is that it presently has four fish passage barriers which prevent most adult steelhead and Chinook salmon from reaching their natal strems and bull trout from migrating between watersheds. These barriers are: 1) Gose Street bridge (Fig 1-5), 2) the concrete channel through Walla Walla, 3) Bennington diversion, and 4) Kooskooskie diversion. Interest in improving fish passage in Mill Creek has increased to the point that in the concrete flood control Channel and at the Bennington Lake diversion are being sought by the Corps of Engineers in partnership with WDFW. The Tri-State Steelheaders is submitting a request for Fifth Round SRFB funding for passage improvement at the Kooskooskie diversion.
The present project will improve fish passage at the Gose Street bridge which is located 5.3 miles above the Mill Creek confluence with the Walla Walla River. The fish passage barrier at this location was caused by downcutting of the natural Mill Creek channel at the downstream end of the engineered channel that protects Walla Walla from flooding.

Project Ref	Grantee	Project Name	State
04-1610-2004	WA IAC	South Fork Crown	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	03-JAN-05-28-FEB-06	Salmon Habitat Protection and Restoration	$1,031,200	$0	Puget Sound

Project Description

South Fork Crown is a 2,500 acre acquisition project covering 7.75 miles of the South Fork Nooksack that includes the best remaining Chinook salmon spawning habitat in the South Fork. The project abuts 3,991 acres protected by Seattle City Light and contributes to 650 acres of previously protected salmon habitat one mile downstream. This project doubles the miles of protected salmon habitat and quadruples the number of protected acres along the South Fork. Five species of salmon and three species of trout spawn in this reach of the South Fork. Chinook salmon and bull trout are listed as threatened. Fishery biologists have identified this area as the most productive spawning habitat on the river for the threatened South Fork Chinook and it is the 2nd highest priority area for protection in the watershed. The Nooksack Conservation Assessment, funded by SRFB (#01-1275N), identifies this property as the highest priority for salmon protection on the South Fork. The Trust for Public Land listed this reach of the South Fork as "Priority Refugia" for Puget Sound Salmon. Declaration of Chapter 11 bankruptcy by the current owner poses threat of conversion to less salmon friendly uses as well as opportunity to protect the best remaining salmon habitat in the South Fork. In communication with the Land Trust, the present owners and the major creditors have indicated an interest in selling the property.

Project Ref	Grantee	Project Name	State
04-1619-2004	WA IAC	Touchet River Conservation Easement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$65,772	$0	Middle Columbia

Project Description

Blue Mountain Land Trust is acting on a great opportunity to work with a willing landowner to permanently protect an existing costly CREP installment along two miles of stream on the lower Touchet River in the Walla Walla Basin within the Snake River Region (WRIA 32). We will purchase a conservation easement which will protect an existing CREP investment from being removed after the completion of a temporary contract, and will protect valuable agricultural lands while leaving the land in private ownership.
The easement will cover approximately 130 acres of agricultural land and 69 acres of CREP installment on the lower Touchet river. A recent EDT analysis rated this reach as one of the top 8 restoration reaches in the basin to benefit summer steelhead and spring Chinook. In the subbasin plan, CREP is listed as a strategy to reduce sediment, increase LWD, increase riparian function and decrease confinement, and decrease bed scour. The permanent conservation easement will not only protect the ($213,000+rent) CREP installment, but also prevent future subdivision and development of the agricultural lands. Floodplain development, channelization of streams and exempt wells often result in a loss of riparian and floodplain function and it can lead to water quality, and quantity problems. Impervious surfaces likely discharge contaminated runoff to streams and alter hydrologic patterns. We can help prevent stream degradation and loss of agricultural lands through permanent easements.

Project Ref	Grantee	Project Name	State
04-1620-2004	WA IAC	Milltown Island Estuarine Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JAN-05-31-DEC-07	Salmon Habitat Protection and Restoration	$355,000	$0	Puget Sound

Project Description

Milltown Island (212 diked acres) was sold to WDFW after farming was deemed impractical in this area. The site has lain fallow and restoration efforts have been minimal, consisting of several ad hoc dike breaches in 2000. On-site tidal channel abundance is much less than in nearby reference areas. We propose to extensively breach dikes to restore tidal/riverine processes that will scour and maintain on-site tidal channels. The site is dominated by invasive reed canarygrass (RCG). Historically, the site consisted of equal parts estuarine and palustrine shrub vegetation (Collins and Montgomery 2001). Estuarine shrub habitat is rare in the Skagit delta and in Puget Sound; only 6% of this historical habitat remains in the modern Skagit delta, much less in other Puget Sound deltas (Hood 2002). Estuarine shrub habitat provides significant ecological functions to rearing juvenile salmon. Beaver living in tidal shrub habitat construct dams in tidal channels that provide low-tide pools which act as predation refuges for juvenile salmon during low tides (Hood 2002). We also propose restoring shrub habitat to this site and eliminating or greatly reducing RCG in the process. While control of RCG is generally problematic, competition and shading by shrubs can be effective (Apfelbaum & Sams 1987). The topographic elevation in the Milltown area is appropriate to scrub-shrub growth (Hood 2003); a mowing/planting program is needed to bypass early life stage competition between shrubs and RCG.

Project Ref	Grantee	Project Name	State
04-1622-2004	WA IAC	Johnson Creek Restoration Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	04-DEC-04-31-OCT-05	Salmon Habitat Protection and Restoration	$0	$155,122	Washington Coastal

Project Description

The first project site (994480) has a metal structure of unknown function near the outlet of the main Wirkkala Pond that has created a 4-foot drop into a deeply incised channel of Johnson Creek. The drop over the metal structure greatly exceeds WDFW criteria. The incised channel is likely a velocity barrier over the range of flows during fall spawning season. It is proposed to remove the metal structure and reconstruct 350' of pool riffle habitat at a gradient of 3.5%. This project will open up 1.4 miles of habitat that will benefit chum, coho, sea-rum cutthroat, and steelhead.

The second project site (994481) has an undersized 2.5 foot diameter rusted metal culvert that impedes fish passage in a tributary of Johnson Creek which drains the upper Wirkkala Pond. In addition, immediately upstream of the culvert is likely to be impassible due to its narrow and steep channel approach over the berm impounding the pond. It is proposed to realign the existing road 10 feet to the east and replace the existing barrier culvert with a 9 foot diameter pipe. The project will also reconstruct 200 feet of channel with large woody debris above and below the new culvert. This project will open up 1.2 miles of habitat.

Project Ref	Grantee	Project Name	State
04-1623-2004	WA IAC	Nipper Shoreline Protection	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUL-05-31-MAR-06	Salmon Habitat Protection and Restoration	$124,950	$0	Puget Sound

Project Description

This project proposes to acquire an approximately 12-acre shoreline parcel along the Nisqually River for permanent protection. The shoreline property is located in Pierce County in the McKenna Reach centered at about River Mile 25.5. This property includes nearly 1/2 mile of total shoreline, including a Meander island. The riparian habitat contains a large stand of mature timber on steep slopes along the river. The Nipper family (the seller) owns three lots totaling approximately 45 acres. At present all three lots contain shoreline frontage. This project includes a boundary line adjustment to merge the shoreline portion of the two larger lots with a smaller 5-acre lot, and the purchase of resulting approximately 12-acre lot for permanent protection. The project would result in permanent protection of this 1/2-mile natural shoreline, timbered riparian habitat and meander island.

Project Ref	Grantee	Project Name	State
04-1626-2004	WA IAC	Swinomish Channel Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	15-JAN-05-30-NOV-06	Salmon Habitat Protection and Restoration	$0	$450,949	Puget Sound

Project Description

The Swinomish Channel Restoration Project seeks to restore approximately 200 acres of former estuarine marsh along the Swinomish Channel west of Mt. Vernon, Washington. Existing levees will be breached and removed. Set-back levees will be constructed to protect adjacent properties. The project will restore natural functions and processes within the project area. The restoration of tidal marsh, blind sloughs and distributary channels will provide important rearing habitat for Skagit basin Chinook salmon, a Federally threatened species. The project will also provide rearing habitat for several other salmonids species.

Over 90% of the original estuarine marsh found in the Skagit River delta has been lost due to previous conversion to other uses. The loss of estuarine habitats has been determined to be a key factor in the decline of many salmonids populations, including Chinook and coho salmon. The Skagit Watershed Council and other groups have made the restoration and protection of estuarine marsh a high priority action needed to recover and maintain healthy salmon populations.

In addition to providing important benefits to salmon, the project will also provide ideal habitat to hundreds of species of fish and wildlife. Partners in this effort include: two landowners, the Washington Department of Fish and Wildlife, Skagit County, the Pacific Coast Joint Venture, North American Wetlands Conservation Council and Ducks Unlimited, Inc.

Project Ref	Grantee	Project Name	State
04-1627-2004	WA IAC	Oxbow Creek Construction Phase	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	04-DEC-04-01-OCT-05	Salmon Habitat Protection and Restoration	$352,183	$0	Washington Coastal

Project Description

This project will implement the completed design for the replacement of culverts (Pacific County; Willapa River sub-watershed), on Oxbow Creek: two side-by-side 6 ft diameter culverts. The Design for the project was completed in Jan 2004, funded by the SRFB, #02-1458N. The undersized culverts are blocking 4.1 miles of fish bearing waters, which provide an important biological process of spawning and rearing to Chum, Coho, Chinook, Steelhead, and Cutthroat Trout. The culvert has a priority index of 36.4. The design will improve spawning and rearing habitat for about one mile of Oxbow Creek, which has been badly scoured, and is dominated by bedrock and siltation.

The HPA has been issued, Biological Evaluation completed, and the application for the Army Corps permit has been completed and awaiting approval.

The WBRFEG Strategic plan identifies the Willapa River, sub-watershed, as a priority watershed, and Chum salmon as a priority species. This project addresses both priorities. The goal of the project is to connect isolated habitat to increase the range and distribution of salmon. The objective of the project is to increase access to areas blocked by human-caused impediments.

There is another set of culverts up-stream of the Oxbow Rd. Culvert, these 5 ft. diameter side-by side culverts are on DNR property. The design includes their replacement, however funding for construction is being paid by another source, as was the design plan.

Partners: DNR, WBRFEG, WDFW, Victor Peterson, and Pacific County.

6/5/04

Project Ref	Grantee	Project Name	State
04-1634-2004	WA IAC	Steelhead Haven Landslide Remediation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-FEB-05-30-SEP-07	Salmon Habitat Protection and Restoration	$0	$497,000	Puget Sound

Project Description

One of the primary factors limiting Chinook production in the Stillaguamish watershed is fine sediment input before and during spawning and incubation. As stated by the Washington Department of Fisheries in the 1970's, "The principal factor limiting salmon production within the North Fork is sedimentation resulting from a major clay slide. Below that point, heavy silt deposits cover most of the gravel riffles, making them unsuitable for successful spawning and egg incubation. This condition also inhibits natural cycles of aquatic insect growth, reducing food production, and consequently lowering the holding and rearing capacity of the stream below." Sediment from the slide is filling pools, and shallowing and widening the overall channel network, resulting in increased temperature, brought about by reduced shading and groundwater interception. This habitat loss and water quality impact will continue until the sediment source is reduced and the channel storage is increased. The purpose of this project is to isolate the river from the landslide thereby eliminating the undercutting of the slide and creating channel storage behind a large wood revetment. The project goal is to build the revetment 500' from the toe of the slide, move the river south of the revetment and isolate the landslide from the river eliminating the direct sediment discharge. A feasibility report is complete (#99-1687N). Reducing sediment to a level the river can flush will be the measure of effectiveness, along with increased spawning and survival.

Project Ref	Grantee	Project Name	State
04-1636-2004	WA IAC	Skidmore Slough Acquisition and Rest.	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	04-DEC-04-01-AUG-08	Salmon Habitat Protection and Restoration	$0	$460,488	Washington Coastal

Project Description

The overall goal of this project is to reconnect estuarine flow to Skidmore Slough (SS) to restore degraded water quality restore salmonid rearing access to about 3 miles of intertidal rearing channels to the Willapa River (WR), and remove/replace structures that threaten salmonid passage. However, to accomplish this in the existing landscape, SNLT must first acquire the habitat. The short-term goal of this project is the acquisition and restoration of degraded shoreline/wetland habitats that sustain SS habitat forming processes and the salmonid food chain. Other goals include surveying wetland elevations and identifying SS tidal and flooding levels. The habitat acquisition, the restoration of the shorelines/wetlands, and survey/water level work lay the foundation for achieving the larger goal, that is, restoration of properly functioning estuarine habitat for multiple species of SS and WR salmonids.

Goal: The goal of the project is to restore estuarine and nearshore conditions and processes in the marine environment.

Objective: The objective of the project is to restore shoreline habitat diversity and function.

Project Ref	Grantee	Project Name	State
04-1637-2004	WA IAC	Nisqually/Powell Protection &Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$596,566	$0	Puget Sound

Project Description

The goal of this project is to permanently protect through a 264-acre acquisition a large section of Nisqually River shoreline and floodplain wetland, and to restore natural floodplain functions and anadromous access to the Powell Creek watershed. The project will result in the protection of nearly 3 miles of Nisqually River shoreline, riparian habitat, and a major floodplain wetland complex at the confluence of the Nisqually and Powell Creek. This is the greatest length of Nisqually River shoreline in private ownership. The confluence wetland complex is the most substantial such complex on the Nisqually. Insuring their permanent protection is a very substantial action.

Following acquisition, the restoration part of the project will result the removal of three Powell Creek culverts and a concrete bridge abutment located on the Nisqually at RM 31.9. Powell Creek drains a forested area in SE Thurston County. The culverts are migration barriers to the existing upstream wetlands that provide critical juvenile rearing habitat. By removing them, connectivity to the single largest off-channel complex in the entire Nisqually River Basin will be restored. The restoration project also will make 3 miles of habitat will provide spawning and rearing habitat accessible for coho, Chinook, steelhead, cutthroat possibly chum. The Powell Creek site was selected for early action restoration as a result of the recently completed Nisqually River Off-Channel Habitat Assessment.

Project Ref	Grantee	Project Name	State
04-1647-2004	WA IAC	Little Quilcene Estuary Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$362,000	Puget Sound

Project Description

The Little Quilcene River flows into Quilcene Bay just north of the town of Quilcene. It is 12.2 miles in length and the combined estuary complex is comprised of approximately 350 acres. Nearly 100 years ago this river was channelized directly into Quilcene Bay and a substantial amount of fill was placed behind the dikes. The goal of the project is to restore more natural estuarine function by removing approximately 1500 feet of dike on the north side of the river and 700 feet of sea-dike from the eastern portion of the estuary. A bridge will also be installed over Donovan Creek which flows into the estuary complex of the Little Quilcene estuary and a second culvert will be replaced on the West side of Donovan Creek. These changes will allow the Little Quilcene River to function more naturally and allow tidal and wave action fuller access to the entire northern portion or the larger Quilcene estuary. Summer chum and chinook, both federally listed, as well as coho, steelhead, pink and cutthroat trout spawn in the Little Quilcene river and utilize the entire Quilcene Bay estuary complex during their juvenile rearing stage. The Hood Canal Salmon Enhancement Group is partnering with the WRP, JCCD, Jefferson Co., local property owners and the WDFW to design, construct and manage this important project. This is the third project in Quilcene Bay to restore the nearshore and restore estuary function. Indian George Creek Estuary was completed in 2003.

Project Ref	Grantee	Project Name	State
04-1648-2004	WA IAC	Big Quilcene Estuary Dike Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$144,772	Puget Sound

Project Description

The Big Quilcene River flows into Quilcene Bay just south of the town of Quilcene. It is 18.9 miles in length and the combined estuary complex is comprised of approx. 350 acres. Nearly 100 years ago the lower portion of the river was diked and channelized directly into Quilcene Bay. Access roads were constructed across the upper section of the estuary and a substantial amount of fill was placed behind the dikes. The goal of this project is to restore more natural estuarine functions by removing approximately 1100 feet of dike on the North side of the river. This will allow the river to reestablish a natural floodplain and allow a broader area of tidal exchange. Properly functioning estuaries have long been recognized as extremely productive aquatic environments. Summer chum and Chinook, both federally listed, spawn in the Big Quilcene River and utilize the entire Quilcene estuary during their juvenile rearing stage. Coho, steelhead, fall chum and cutthroat trout also inhabit the Big Quilcene system. The Hood Canal Salmon Enhancement Group is partnering with the Jefferson Conservation District, Jefferson County and the WDFW to design, construct and manage this project. This is adjacent to another Quilcene Bay restoration project, the Indian George Creek Estuary restoration, which was completed in 2003. This Big Quilcene project is continuum of priority projects within the HCCC Habitat Restoration Strategy and is another effort to restore the entire Quilcene Bay Estuary.

Project Ref	Grantee	Project Name	State
04-1649-2004	WA IAC	Salmon/Snow Lower Watershed Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	03-DEC-04-30-JUN-09	Salmon Habitat Protection and Restoration	$0	$687,149	Puget Sound

Project Description

A partnership between WDFW, Jefferson Conservation District, and North Olympic Salmon Coalition will plant 31 acres of riparian area along Lower Salmon and Snow Creeks and implement multiple estuary restoration projects covering between 5 and 12 acres on land acquired in part with SRFB funds. The partners will provide a long-term vision for restoration of the Lower Snow and Salmon Creeks and their common estuary and implement the most effective projects identified by the Chumsortium. The project objectives are:

- Determine the final design for several high priority estuarine restoration actions
- Plan for future restoration actions including at least partial removal of railroad grade
- Determine the feasibility of reconnecting and restoring lower Salmon and Snow Creeks given historical reference conditions and contemporary constraints
- Implement actions including removal of fill from salt marsh and tidal channels, shoreline restoration and revegetation, and removal of abandoned buildings in the nearshore riparian and intertidal zone
- Extend riparian planting to 180' on each side of the new Salmon Creek channel
- Extend Snow Creek planted riparian area to 180' from the existing channel. Wider forested riparian areas will address a limiting factor and benefit ESA listed summer chum in both streams, as well as coho, steelhead and cutthroat

Work will be directed by the local Chumsortium and administered by NOSC as Phase IV of a decade of on-going recovery efforts.

Project Ref	Grantee	Project Name	State
04-1651-2004	WA IAC	Leque Island Estuary Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JAN-05-01-JUN-09	Salmon Habitat Protection and Restoration	$0	$569,356	Puget Sound

Project Description

The Leque Island Estuary Restoration Project will restore approximately 115 acres of estuarine intertidal vegetated wetlands on Leque Island Wildlife Area between the mouth of the West and South Forks of the Stillaguamish River. The project site was diked, ditched, and drained in the 1930's resulting in the loss of estuarine marsh essential for the habitat requirements of juvenile salmon and wintering waterfowl. Historical "high salt marshes" once provided for the habitat needs of several juvenile salmon species including federally listed Skagit and Stillaguamish stocks. The conversion of estuarine marsh to agriculture has likely contributed to declines in waterfowl populations as well.

Restoration activities include removing the dikes and restoring tidal inundation on the site. Spoils from the dike breaches will be used to create set back dikes to protect adjacent properties.

This type of project has been identified as a high priority action in several local salmon recovery plans. This project will coordinate restoration effort with the "English Boom" and "Davis Slough" proposals and eventually result in the restoration of 285 acres of estuarine wetland available for juvenile salmon refuge. The entire complex will be managed for fish, wildlife, and public recreation.

Project Ref	Grantee	Project Name	State
04-1655-2004	WA IAC	Hoy Riparian Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$155,500	$0	Puget Sound

Project Description

The Hoy Riparian Restoration Project will occur along a two-mile section of the middle Skagit River east of the town of Hamilton, Washington. Seattle City Light (SCL) has completed a purchase-sales agreement for a 240-acre property where this project will occur. The property is located on the south side of the Skagit River, and will be acquired by SCL by June 2004 as part of their ESA Early Action Program for the recovery of listed fish species. The two-mile section of river where this restoration project will occur is one of the most important spawning areas for chinook salmon, chum salmon, pink salmon, and steelhead trout in the lower and middle Skagit River (i.e., downstream of the confluence of the Sauk River). Spawning surveys conducted in recent years indicate that this section of the river possesses the highest concentration of fall chinook salmon spawners in the middle Skagit River. Fall chinook salmon are one of six distinct populations of chinook in the Skagit watershed, and is the population undergoing the greatest decline. Fall chinook are mainstem spawners and most spawning occurs in middle Skagit River. The riparian vegetation corridor along many areas of the Hoy Property have been substantially impacted by cattle grazing and land clearing for farming. The banks along some of this property are threatened by erosion resulting from the poor riparian conditions. This project will restore the riparian area along this property, protecting the river banks and sustaining the morphology of the river channel.

Project Ref	Grantee	Project Name	State
04-1658-2004	WA IAC	Miller Shoreline Protection	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-FEB-05-31-AUG-05	Salmon Habitat Protection and Restoration	$214,200	$0	Puget Sound

Project Description

The goal of this project is to permanently protect 3000 feet of shoreline and to build upon an already protected shoreline habitat block. This project proposes to acquire approximately 56 acres along the Nisqually River downstream of McKenna in Thurston County. This acquisition target is adjacent to the already protected Mosman shoreline and would extend the protected shoreline by approximately 3000 feet (just over 1/2 mile). The current owners total acreage is approximately 60 acres and includes a small home. This property is located in the Whitewater Reach of the Nisqually River. The shoreline habitat of this property parcels is low to moderate bank, with a heavy growth of older mixed species timber. There is an unnamed tributary stream on the southern portion of the property and there also are numerous wetlands on-site. As described more fully in the application, the habitat values of the property are under substantial threat. The entire 60-acre property is currently on the market for $395,000. The owner has proposed to create a small 4-acre m/l lot for the cabin and to sell the remaining acreage to the applicant for $230,000. If creation of the small lot cannot be permitted, the alternative is to purchase the southern portion of the lot (approximately 22 acres) in fee and to impose a strict conservation easement on the remaining property that would provide permanent protection for the shoreline property and habitat values.

Project Ref	Grantee	Project Name	State
04-1660-2004	WA IAC	Cedar Rapids Floodplain Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$708,907	$0	Puget Sound

Project Description

The Cedar Rapids Restoration project will restore 1850 feet of riparian and floodplain habitat along a WRIA 8 high-ranked reach of the Cedar River. Historic levees along this reach have constricted, reduced and degraded instream and riparian habitat for Chinook. The project reach contains very few pools and lacks large woody debris (LWD); off-channel habitat is inaccessible or lacking. The riverbed is incised and spawning gravel limited by high velocity flows.

The project will restore a more natural channel form and improve aquatic, riparian, and off-channel floodplain habitats in this important Chinook spawning and rearing area. The project will remove levees and bank armoring, reconnect high flows to the adjacent floodplain, restore instream channel, gravel bar, and pool habitats, and recreate riparian floodplain and side-channel habitats. Mainstem restoration will include placement of anchored, floating logs to reduce near-bank water velocities for natural deposition of river sediments within incised areas and improved spawning gravel recruitment. Removal of bank armoring and added LWD will increase spawning habitat along the main channel margins and will reconnect rearing habitat along the mainstem and side channel areas. Riparian habitat will be improved by removing invasive species from the channel banks and from 7 acres of floodplain, and by replanting with native tree and shrub species. Flood protection facilities will be relocated far back from the channel to protect adjacent homes and infrastructure.

Project Ref	Grantee	Project Name	State
04-1663-2004	WA IAC	Agnew / Dungeness Water Conservation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	03-DEC-04-01-NOV-08	Salmon Habitat Protection and Restoration	$501,160	$0	Puget Sound

Project Description

The Dungeness River is listed on the Department of Ecology's 303(d) list for both low instream flows and fecal coliform (fc) loading. The proposed project involves pipelining five irrigation laterals (~38,205 ft) within the Agnew Irrigation District for the purpose of conserving instream flows and improving instream habitat in the Dungeness River. Enclosing open ditches with pipe eliminates ditch leakage, and thus reduces the amount of water necessary to divert from the River for irrigation. Upon completion of this project, an estimated 2.0+ cfs will be saved (put back into the River) for instream flow habitat. A secondary benefit of the project is to improve water quality by eliminating the pathway for contaminants that enter the irrigation system at these ditch locations. The ditches proposed for pipelining tail into Matriotti Creek, and ultimately Dungeness River and Bay, and are highly suspected for fecal coliform (fc) loading. Pipelining these ditches will ultimately reduce the amount of fc loading to these water bodies. This proposal will benefit all salmon stocks that utilize the Dungeness River and its tributaries. Specifically, the project is aimed to increasing Dungeness River instream flow and habitat for the three ESA-threatened species: Spring/Summer Chinook, Summer Chum, and Bull Trout. This project is recommended in several watershed-planning studies and reports, and is part of a larger community effort toward salmon recovery and watershed restoration.

Project Ref	Grantee	Project Name	State
04-1667-2004	WA IAC	Black River Habitat Protection	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$200,366	$0	Washington Coastal

Project Description

Capitol Land Trust will protect through conservation easement, a 75-acre parcel containing a mix of riparian/wetland/floodplain habitat (45-50 acres), and associated conifer forest and oak woodland buffers (15-20 acres). The mainstem and off-channel habitat forms a complex system of waterways for salmonids. A rich native vegetation buffer lines the property's riparian areas, providing excellent protection for salmonids and recruitment source of Large Woody Debris (LWD).

Black River is a high priority sub-basin in the Chehalis Watershed and is one of the largest remaining riparian wetland systems in western Washington. One of the most rapidly developing areas in the state, residential development is a primary threat to salmonids. This project addresses both habitat protection and water quality needs by reducing future habitat loss and water quality degradation associated with development.

Black River and associated tributaries provide important rearing and spawning habitat for steelhead, coastal cutthroat trout (Fed. Proposed-threatened), and chum, coho (Fed. Candidate) and chinook salmon.

The Bergquist parcel is situated between major protected areas including the USFWS's Black River Unit (Nisqually Wildlife Refuge) and other protected areas owned by The Nature Conservancy, Thurston County and Capitol Land Trust. This project has the support of The Nature Conservancy, US Fish and Wildlife Service and the landowners.

Project Ref	Grantee	Project Name	State
04-1668-2004	WA IAC	Beeville Road MP 2.09	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	04-DEC-04-31-JAN-07	Salmon Habitat Protection and Restoration	$104,000	$0	Washington Coastal

Project Description

The proposed project is the replacement of a stream crossing on the Beeville Road in western Mason County. The existing crossing is comprised of two squashed oval culverts. One is 6'x4' and the other is 5'x3'. The smaller culvert is perched two feet above the larger culvert. It only passes the stream during high water events. The larger culvert is a fish passage barrier due to slope. The crossing was rated as 33% passable for six-inch trout by Mason Conservation District. The proposed project would install a 18-foot wide squashed oval aluminum culvert meeting WDFW's "No Slope" design criteria. The slope of the existing culverts is 2.0 and 2.5%. The artificial streambed in the new culvert would be 2%. The road crossing is located on Petersen Creek, a tributary to the East Fork of the Satsop River. Mason Conservation District conducted a field survey of the stream above the crossing in 2003. They assigned a PI of 24.8 to its replacement. The project would open 6102 meters of habitat containing 9009 square meters of spawning and 10494 square meters of rearing habitat. This crossing is the lowermost remaining fish passage barrier on a County road as Petersen Creek flows to the East Fork of the Satsop. The 765 acre watershed above the crossing is owned primarily by Green Diamond Resource Company and managed under a Habitat Conservation Plan. Fish use in the stream includes chum, coho, coastal and resident cutthroat.

Project Ref	Grantee	Project Name	State
04-1669-2004	WA IAC	Satsop Cloquallum MP 5.57 and MP 5.6	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	04-DEC-04-31-JAN-06	Salmon Habitat Protection and Restoration	$156,000	$0	Washington Coastal

Project Description

The project would replace two culvert crossings on a County road. Both are partial barriers to juvenile fish due to slope. The culverts are 20 miles southwest of Shelton. They are immediately above the confluence of two major forks of an unnamed tributary to the East Fork of the Satsop River at river mile 13.3. The existing culvert on the north fork of the stream is a 43"x 60" squashed oval metal pipe. The crossing on the south fork of the stream is made up of two 24" and one 18" round pipes. Both would be replaced with 10' wide concrete box culverts meeting WDFW's "No Slope" design criteria. Mason Conservation District conducted a field survey of the project stream in 2003. They assigned PIs of 27 and 22.4 to the culverts. Replacement of both culverts would immediately access 3199 meters of habitat, with 4572 square meters of spawning and 4182 square meters of rearing habitat. Replacement of one more upstream barrier on the north fork of the stream would increase habitat by an additional 2410 meters, with 2550 square meters of spawning and 2067 square meters of rearing habitat. The watershed is managed under a Habitat Conservation Plan by Green Diamond Resource Company (previously Simpson). This project addresses a major limiting factor in the sub-basin and would follow the replacement of another downstream barrier scheduled for summer 2004 by Mason County. Fish use in the stream includes chum, coho, coastal and resident cutthroat and possibly chinook.

Project Ref	Grantee	Project Name	State
04-1670-2004	WA IAC	Anderson Culvert Replacement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$35,149	Washington Coastal

Project Description

The Lewis County Conservation District has been working on a culvert assessment in WRIA 23 since June of 2002. During this time we have prioritized fish blockages for replacement based on amount of habitat to be opened up, landowner willingness, and salmon usage. This project is located on Stearns Creek, which was determined a system with salmon usage containing few blockages on the main stem. This is a high priority project detailed in the Lead Entity Work Plan for WRIAs 22 and 23 and will open up more spawning and rearing habitat than any other barrier assessed.

Coho, cutthroat, and steelhead currently inhabit Stearns Creek and the system is documented as having Chum Salmon utilizing the habitat in the past.

This project is located 2.8 miles from the confluence to the Chehalis River and is the first barrier on Stearns Creek. It includes the removal of three existing culverts and replacing them with a railcar bridge that will allow fish of all ages and lifestyles to migrate up and down stream.

The Priority Index # for this barrier is 49.98. A total of 44,784.8 linear meters of stream was surveyed above this project site. Approximately 23,341.5 square meters of spawning habitat and 73,526.6 square meters of rearing habitat exist upstream from this site.

The next two barriers on Stearns Creek, at RM 8.6 and 8.7 have been funded to be replaced by box culverts under the FFFPP. There is approximately one mile of stream before the next partial blockage above RM 8.7.

Project Ref	Grantee	Project Name	State
04-1672-2004	WA IAC	NF Teanaway River Floodplain - Phase 1	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	15-DEC-04-15-JAN-06	Salmon Habitat Protection and Restoration	$380,000	$0	Yakima

Project Description

The North Fork Teanaway River in northern Kittitas County supports stocks of bull trout and chinook salmon in the 5.83 mile reach between Lick Creek and Jack Creek. The highly functional flood plain that nurtures complex salmon habitat comprises 353.5 acres of riparian forest and meadow with single ownership. This project is Phase One of a habitat protection strategy,and extinguishes the development, timber, and grazing rights via conservation easement over the lower 96 acres of the flood plain, including 3.84 miles of stream bank. The landowner manages 20,000+ acres of commercial forest drained by this watershed and wants to augment timber revenues by subdividing and selling riparian land parcels. Real estate market pressures fueled by demand from the saturated Puget Sound region for accessible recreational/rural parcels, coupled with permissive local land use policies, combine to threaten the superlative habitat in the N. Fork Teanaway with fragmentation and function disruption. Conservation easement is the preferred protection tool because implememtation does not require the parcel segregation intrinsic to a fee simple transaction. Now is the time to negotiate a conservation easement with the landowner before multiple owners make implementation unwieldy and prohibitively expensive. This project facilitates salmon recovery by protecting 96 acres of highly functional flood plain in a naturally flowing tributary to the upper Yakima River.

Project Ref	Grantee	Project Name	State
04-1675-2004	WA IAC	YTAHP Lower Reecer Creek Fish Passage	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-MAR-05-30-NOV-08	Salmon Habitat Protection and Restoration	$269,060	$0	Yakima

Project Description

Reecer Creek enters the Yakima River at RM 153.8, 1/2 mile west of Ellensburg, WA. At present, diversion structures near the mouth block anadromous fish access to the watershed. However, juvenile spring chinook have been noted by the Yakima Species Interaction Team (YSIS) downstream of the first barrier, and resident rainbow trout were noted both up and downstream. Implementation of this project would allow for removal of two gravity-fed diversion structures; two unscreened diversion points would be screened (pump screens - 5 water users) to prevent fish entrainment. The existing dams are migration barriers to the juvenile life history stages of anadromous fish and are likely barriers to adult passage as well. Project implementation would increase spawning and rearing habitat by roughly 2+ miles. The riparian zone in the project area is narrow; however, large cottonwood, willow and shrub species provide shading. Adjacent lands are owned by the City of Ellensburg. The City favors the proposed project as one that compliments both current and future plans to enhance fish habitat on City lands. The City will, as part of this project, remove the two diversion dams on City property that pose a barrier to fish passage. Positive collaboration between private landowners, tribal biologists, the Conservation District and the City of Ellensburg would accomplish the project at a fraction of the cost indicated in a previous study (YN/BPA) by an engineering firm.

Project Ref	Grantee	Project Name	State
04-1676-2004	WA IAC	YTAHP Wilson Creek Riparian Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-MAR-05-31-JAN-09	Salmon Habitat Protection and Restoration	$28,400	$0	Yakima

Project Description

The City of Ellensburg owns land adjacent to its sewage treatment plant that encompasses 3,400 feet of Wilson Creek. Both banks are owned on 1300-ft. of the creek, the remaining ownership is the left bank only. The project area has sparse Pacific willow, cottonwood and shrub species but is dominated by reed canary grass. This project will endeavor to establish shrub and tree species that will provide shading, leaf litter and woody debris to the stream. The SRFB, BPA, Yakama Nation, Kittitas County Conservation District (KCCD) and WDFW have invested heavily in fish screening and passage on the lower 8+ miles of Wilson Creek; however, to optimize the benefit of re-connected upstream passage, a more functional riparian zone is necessary. Less than 10% of the lower 8-miles of Wilson Creek is characterized by native woody riparian vegetation. Land adjacent to the City property was purchased by the Bureau of Reclamation (USBR) with the future intent of reestablishing the riparian zone over its entire ownership. USBR ownership includes the right bank
across from the City's treatment plant. The USBR supports this proposal as being complimentary to its long-range plans. Implementing this project would demonstrate a cooperative effort between the KCCD, the City of Ellensburg, the Yakama Nation and the USBR. The location is visible to the entire community of Ellensburg and could provide opportunities for local involvement with schools and environmental groups.

Project Ref	Grantee	Project Name	State
04-1679-2004	WA IAC	Upper Yakima River Easton Reach	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	10-DEC-04-01-NOV-05	Salmon Habitat Protection and Restoration	$123,400	$0	Yakima

Project Description

Acquisition of a 23.49 acre parcel in the Easton reach of the Upper Yakima River is vital to the success of a protection strategy being implemented in the Cle Elum vicinity. The mature riparian forest on this parcel is in a naturally functioning floodplain that supports high priority habitat along .40 miles of stream bank. Spawning and rearing life cycle stages of steelhead, spring chinook, and coho salmon depend on protecting functioning habit from becoming fragmented and degraded. This project proposes protection of habitat in a gateway reach where ~50% of the Yakima Basin spring chinook migrate into the Upper Yakima River system. Increasing pressure to convert superlative salmon habitat to more intensive land uses is fueled by demand for riparian parcels to support recreation/vacation homes development. Acquisition of the Lumsden parcel is a vital link in the protection efforts implemented in the vicinity by the Yakima-Klickitat Fisheries Project, and represents an integrated management strategy for salmon recovery. Outdoor recreational opportunities for sport fishing and other low impact uses, while protecting functioning habitat, are planned by the project sponsor.

Project Ref	Grantee	Project Name	State
04-1680-2004	WA IAC	Holmes Floodplain Property Protection	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$123,000	Yakima

Project Description

This proposal solicits cost-share funding for purchase of the Holmes property, which encompasses 50 acres and a 2400' side channel of the Yakima River. The entire property is within the geomorphic floodplain. The lack of side-channel connectivity is a limiting factor in fish production in the Yakima; this acquisition would slow the attrition of floodplain function. The 100-year floodplain and side channel would be permanently protected as habitat for natural production. The surface water right, totaling 3.31 cubic feet per second and 677 acre feet per year, would be managed for instream flow restoration.
Recent research conducted by Yakama Nation, WDFW, University of Montana and Central Washington University identified this reach as highly productive for salmonids fishes. Broadfloodplains support active hyporheic zones. Alcoves (like the Holmes' side channel) support robust densities of juvenile fish. These habitats are exceptionally important, given the regulated flow of the Yakima River. Artificially high summer flows diminish main stem rearing habitat quality, making stable side channels even more important.
Yakama Nation biologists have had an ongoing dialogue with the landowners. The landowner's attorney has reviewed a March 20, 2004 appraisal. The landowners support the appraisal's conclusions on value, and are motivated sellers. The sponsor will provide 46% non-SRF match for acquisition of the property.

Project Ref	Grantee	Project Name	State
04-1687-2004	WA IAC	S. Prairie Creek Acquisition Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JAN-05-31-DEC-07	Salmon Habitat Protection and Restoration	$576,955	$0	Puget Sound

Project Description

South Prairie Creek, the primary tributary to the Carbon River, is the most important salmonid spawning area in the Puyallup watershed, producing nearly half of all the wild steelhead in the Puyallup River system, the only significant run of pink salmon, and important returns of Chinook, coho, chum salmon and sea-run cutthroat trout. The high quality habitat along the stream is currently threatened with increasing development pressures from nearby towns and county urbanized areas, and numerous studies have shown the need for habitat protection and restoration. The Lead Entity has ranked S. Prairie Creek as one of its top priority reaches for habitat protection in their Salmon Habitat Protection and Restoration Strategy.

This project will acquire and restore about 100 acres of highly ranked riparian habitat identified by the S. Prairie Creek Action Plan, funded in SRFB 3rd round in 2001. The Action Plan identified and ranked the fifteen top priority properties for habitat protection based on evaluation of parcel characteristics and salmon habitat value.

One of the top ranked properties in the study was the Inglin Farm, comprising 100 acres of potential forested floodplain habitat. This project will include funds ($425,000) from IAC #02-1584 to preserve and restore this important property. This project will address primary fish recovery, habitat protection, and geographic objectives outlined in the WRIA 10/12 salmon recovery strategy.

Project Ref	Grantee	Project Name	State
04-1688-2004	WA IAC	Lower Beaver Piping 04	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	15-JAN-05-30-JUN-06	Salmon Habitat Protection and Restoration	$180,913	$0	Upper Columbia

Project Description

This project will pipe two irrigation ditches, the Fort/Thurlow and Miller Ditches, located on private property in the Beaver Creek drainage, a tributary of the Methow River in western Okanogan County. The Fort/Thurlow Ditch (approx. 4,400 ft. in length) diverts 3 cu. feet/sec. (c.f.s.). The Miller Ditch (approx. 3500' in length) diverts 2 c.f.s. Both ditches are unlined canals constructed in sandy soils. Canals in similar soils have shown seepage losses from 45-60%. Eliminating this loss represents a potential return to the stream of 1.5 to 2.25-c.f.s. There is limited stream gaging available but it suggests that this return could represent approx. 25% of Beaver Creek's average summer low flow volume. Beaver Creek has been placed on the Washington State Department of Ecology's (Ecology) Clean Water Act 303(d) list for flows, irrigation withdrawals leave the reach immediately below the last diversion (Fort/Thurlow) dewatered approximately 50% 0f the time. Other efficiency projects (see Marrachi SRFB application,2005) further up the drainage, if also funded, will - substantially mitigate this late season low flow problem. These piping projects have been identified as essential to salmonid recovery in Beaver Creek by a SRFB-funded Coordinated Resource Management (CRM) planning effort. This voluntary planning and problem-solving citizen's group places a high priority on irrigation efficiency projects including piping

Project Ref	Grantee	Project Name	State
04-1689-2004	WA IAC	Lucas Creek Barrier Correction	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	04-DEC-04-01-MAR-07	Salmon Habitat Protection and Restoration	$345,100	$0	Washington Coastal

Project Description

This project is located in Lucas Creek, a tributary to the Newaukum River, which flows into the Chehalis River. An existing 82-in by 65-in by 48-ft long arch culvert with a slope of 4.1% crosses Lucas Creek Road MP 5.173. This culvert poses a velocity barrier under most flow conditions to migrating adult anadromous fish. A 1-ft drop at the outlet presents a 100% barrier to juvenile upstream migration.

A new precast concrete girder bridge, designed streambed gravel, grade controls, installation of large woody debris, and streamside plantings are proposed to restore fish passage to 2.8 stream miles of Lucas Creek. Construction would be completed during the fish window of one construction season. Lewis County will conduct visual fish monitoring in the spring and fall for 3 years after construction using WDFW protocols.

Fish habitat above the targeted Lucas Creek barrier is very good with very few limiting factors. There is high riparian cover along with abundant large woody debris. The riparian vegetation is a mixture of coniferous and deciduous trees with a dense shrub understory. Removal of the barrier will open up more than 4,113 sq m of spawning habitat and 9,241 sq m of rearing habitat. Salmonid species documented below the target barrier include: Chinook, Coho, Steelhead, resident and sea run Cutthroat Trout, and Rainbow Trout.

Project Ref	Grantee	Project Name	State
04-1691-2004	WA IAC	SF Cowiche Creek Protection	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$146,985	$0	Yakima

Project Description

The goal of the South Fork Cowiche Creek project is to protect stream and riparian habitat, the streams' channel migration zones, and floodplain functions along the SF Cowiche and Reynolds Creeks. Acquiring conservation easements along the creek on this project site will protect more than four miles (eight miles counting both banks) of critical, high quality stream, riparian, and floodplain habitat and will enhance downstream restoration efforts currently underway on Cowiche Creek (projects downstream will provide full anadromous access to the project site). This project will protect critical habitat for steelhead and bull trout (bull trout population condition and abundance are currently unknown), both listed as federally threatened, and resident species including west-slope cutthroat.
Protection of this vital habitat is needed because the landowners' desire to divest themselves of this property due to financial obligations and needs, which makes this land ripe for subdivision and subsequent development. The landowner has signed a letter of intent to sell the property if appraised value meets his needs. The project proposes to purchase 200 to 250 foot conservation easements on both sides of the creek (up to a 500 foot buffer counting both sides of the stream).

Project Ref	Grantee	Project Name	State
04-1695-2004	WA IAC	Dekay Road Fish Barrier Correction	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	20-DEC-04-30-JUN-08	Salmon Habitat Protection and Restoration	$307,546	$0	Washington Coastal

Project Description

This project would replace fish barrier culverts at 3 crossings on a county road north of Hoquiam. The crossings are on Polson Cr., a 6233 m. long tributary of the W. Fork Hoquiam R.. All three are primarily juvenile barriers. Two sites consist of double pipes; the third culvert is an undersized, single concrete culvert. Replacements will be bottomless box culverts for the first two and a concrete bridge for the third, these will allow the stream to regain normal functions provide access to all fish species and life stages. Polson Creek has excellent coho and cutthroat spawning and rearing. Small populations of these species currently inhabit the stream. The mainstem Hoquiam R. has documented use by chinook, chum and steelhead. If the barrier culverts are removed it can be assumed that juveniles of these species would utilize the upper portions of this watershed, except for chum that do not rear in fresh water. All adult species could use the lower portions for spawning. This stream has a full habitat and barrier evaluation completed by the Mason C. D., and has a PI of 17.01. It has a total of 13,471 sq. meters of rearing habitat, and 3624 sq. meters of spawning habitat. It was determined to have good riparian cover, LWD, and wetland habitat. There are 8 barrier culverts that need replacing on this stream, one is already funded for replacement, three are proposed, leaving 4 barrier culverts that can be fund by other sources if these 3 are replaced.

Project Ref	Grantee	Project Name	State
04-1698-2004	WA IAC	Vance Creek Riparian Planting & Fencing	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	10-JAN-05-30-JAN-07	Salmon Habitat Protection and Restoration	$0	$26,031	Washington Coastal

Project Description

This project provides 12,500 ft. of fencing and 16,000 ft. of riparian planting to improve fish habitat in Vance Cr., tributary to the Chehalis R. The creek is 8.6 mi. long with 6 mi. of documented salmonid spawning and rearing habitat. It originates in forest lands NW of Elma, flows through residential lands, an abandoned gravel mine which is now a county park, then through farmlands, entering the Chehalis R. at river mile 20. Vance Cr. supports cutthroat trout, coho and possibly chum salmon, as well as lamprey eels, sculpins, mud minnows, and other aquatic life. It has been historically manipulated to accommodate agriculture, mining, and residential development. Despite this, coho and cutthroat continue to use the stream in limited numbers. Two primary limiting factors are high sediment input and lack of riparian cover. Local landowners have agreed to allow fencing and riparian planting on a 25 ft. buffer on both sides of the stream. With the help of volunteer and student labor from the local school district and support of the Chehalis Basin Education Consortium, the lower portion of the stream will be replanted and fences installed to exclude livestock. The Chehalis Basin Fisheries Task Force will be project sponsor. The CBFTF and teachers will provide technical expertise. The local school districts have science programs, FFA groups, special education and science classes, which are already monitoring stream functions.

Project Ref	Grantee	Project Name	State
04-1703-2004	WA IAC	July Creek Culvert Replacement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$450,000	Washington Coastal

Project Description

The project will be to restore fish passage to spawning and rearing habitat on a tributary to Quinault Lake within the Quinault river system. This project will involve replacing an undersized and perched culvert with an appropriately sized bridge.
The culvert is approximately 20 years old and undersized for the flows coming out of the headwaters. The culvert is also perched with an outfall drop of four and a half feet. We propose to replace the existing 7-foot circular culvert with an appropriately sized bridge. We also propose to add log steps and rock to create a roughened channel to hold bed load materials in place. The bridge will allow for a natural stream bottom and meander within the channel. Overall, replacing the culvert and modifying the log steps will improve the slope of the channel throughout the project area. Due to the location within the Park boundaries the bridge will have to meet federal highway standards, which will increase the overall cost of the project.

Project Ref	Grantee	Project Name	State
04-1704-2004	WA IAC	F-15 Road Culverts	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	04-DEC-04-15-SEP-06	Salmon Habitat Protection and Restoration	$137,030	$0	Washington Coastal

Project Description

The Quinault Indian Nation is proposing to remove two fish blocking culverts on their F-15 road and replace with bridges. The stream is an un-named tributary to Cook Creek in the Quinault River Watershed. The scope of the project includes removing the culverts and placing two new pre-fabricated bridges, installing instream rock weirs to stabilize the new channel, and replanting the disturbed area with native plants. Project partners include the Bureau of Land Management and the USDA Natural Resources Conservation Service. The cost estimates and associated engineering work will be completed by the Natural Resources Conservation Service. The projects will open a combined 1.2 miles of high quality habitat for coho, steelhead, sea-run cutthroat, and resident trout.

Project Ref	Grantee	Project Name	State
04-1711-2004	WA IAC	Lower Klickitat Riparian Re-Veg, Phase 1	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	03-DEC-04-15-MAY-06	Salmon Habitat Protection and Restoration	$46,402	$0	Middle Columbia

Project Description

The Lower Klickitat River Riparian Re-Vegetation Project (Phase 1) will restore native riparian and floodplain vegetation (cottonwood, alder, and willow) between river miles 2.6 and 18.3 of the Klickitat River. This reach is a migration and rearing corridor for nearly 100% of all migratory fish in the Klickitat watershed and has accounted, on average, for 10% of observed basin-wide steelhead spawning. The goal of this project is to improve riparian and floodplain vegetation to increase bank cover, woody debris recruitment, and potential for trapping fine sediment. The project area occurs within a reach identified as the third highest of 21 top priority geographic areas in the "Klickitat Lead Entity Region Salmon Recovery Strategy".

Riparian conditions in this reach are generally poor due to a combination of the 1996 flood deposits and channel encroachment by highway and road fill. Many of the flood deposits are well above the two-year flood surface and at a comparable elevation to surfaces that are well-vegetated and are generally stable. Vegetation has been very slow in colonizing these coarse, well-drained substrates. Similar deposits from flooding in 1974 along Swale Creek (a Klickitat River tributary) are still bare. This project addresses limiting features and functions (poor riparian and floodplain vegetation) identified in the "Klickitat Lead Entity Region Salmon Recovery Strategy" for the project reach. Phase I activities will occur on seven sites and total 6.9 acres with 1.45 miles of stream bank.

Project Ref	Grantee	Project Name	State
04-1716-2004	WA IAC	Tepee Creek Fish Passage Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$176,713	$0	Middle Columbia

Project Description

Tepee Creek, a tributary to White Creek in the Klickitat River subbasin, provides important spawning and rearing habitat for ESA-listed Mid Columbia River steelhead. The White Creek watershed as a whole is likely the most important spawning and rearing tributary watershed within the Klickitat subbasin. In recent years, the White Creek watershed has accounted for up to 40% of the observed steelhead spawning in the entire Klickitat subbasin. Tepee Creek has accounted for up to 21% of the observed spawning in the Klickitat subbasin in recent years, however in most years it likely accounts for between 5% and 10%. This project will replace 3 partial barriers to restore juvenile access to 8.7 miles of upstream habitat. Because of the very low to nonexistent base flow conditions at many spawning areas, post-emergence movement by steelhead fry and juveniles is critical to their survival. Access to refugia (in the form of perennially-flowing stream reaches or remnant pools in otherwise dry reaches) is necessary for successful rearing within this watershed.

Project Ref	Grantee	Project Name	State
02-1437-2003	WA IAC	Darlin Creek Acquisition and Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-30-DEC-05	Salmon Habitat Protection and Restoration	$492,783	$0	Washington Coastal

Project Description

The project area is within the Black River sub-basin of the Chehalis watershed, a high priority sub-basin. It is located between the Capitol State Forest and the Black River Unit of the Nisqually Wildlife Refuge. The area provides overwintering, spawning and rearing areas for coho salmon and cutthroat. The objectives are to: 1) permanently protect 237 acres of highly threatened riparian, wetland and floodplain habitat; 2) decommission more than one mile of roads; and 3) remove three culverts.

Project Ref	Grantee	Project Name	State
02-1444-2003	WA IAC	Little Skookum Valley, Phase II:Riparian	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-31-DEC-05	Salmon Habitat Protection and Restoration	$27,942	$0	Puget Sound

Project Description

This salmon enhancement project will improve stream habitat on Skookum Valley Cr, (a tributary to Skookum Cr at RM 5) for salmonids and other resident species. SPSSEG and partners will implement Large Woody Debris (LWD) placement, riparian fencing, and provide riparian plantings upstream of a Round 4 SRFB Application (Eich Road Fish Passage Project). Together, these projects will have a positive effect for salmon in the Skookum Valley Cr watershed.

Project Ref	Grantee	Project Name	State
02-1445-2003	WA IAC	Satsop Floodplain Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-30-APR-07	Salmon Habitat Protection and Restoration	$0	$250,000	Washington Coastal

Project Description

This project consists of approximately 100 acres of Satsop River floodplain habitat that is negatively impaired by approximately 5200 linear feet of constructed dike and approximately 2500 linear feet of riprapped riverbank. A local committee has worked with the Army Corps to develop a Channel Migration Study, Preliminary Restoration Plan and has recently been notified of the Corps approval to fund this project under Section 206 Ecosystem Restoration.

Project Ref	Grantee	Project Name	State
02-1446-2003	WA IAC	Centralia Riparian Restoration Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-01-MAY-05	Salmon Habitat Protection and Restoration	$0	$83,200	Washington Coastal

Project Description

This riparian restoration project lies on the east shore between Chehalis River mile 61 and 62. Within the project reach, Chinook salmon spawn, juvenile salmonids overwinter and bull trout, coho, and chum salmon, steelhead and cutthroat trout migrate.
A riparian zone 200' broad and one mile long will be restored from agricultural field to a mature forest through the planting of 13,000 trees and shrubs of 13 species native to the area. An existing off-channel rearing area will be enhanced through the planting of willows from local stock.

Project Ref	Grantee	Project Name	State
02-1447-2003	WA IAC	Wynoochee #4 Barrier Correction	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	19-JUL-03-30-AUG-07	Salmon Habitat Protection and Restoration	$259,545	$0	Washington Coastal

Project Description

This culvert replacement project is located on a tributary stream to the lower east bank of the Wynoochee River. This stream has over three (3) miles of fish habitat above the culvert barrier and flows into the Wynoochee River 400 feet below the barrier. Coho salmon and cutthroat trout were observed below the barrier and none above. The proposed replacement for this culvert is a 15 ft. diameter round pipe. The round pipe is required because of the large amount of fill (27 ft.) from the road surface to the top of the new pipe.

Project Ref	Grantee	Project Name	State
02-1460-2003	WA IAC	English Boom-Leque Island Acq & Res.	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-03-31-AUG-07	Salmon Habitat Protection and Restoration	$0	$370,000	Puget Sound

Project Description

This project will acquire and initiate restoration on 135 acres of dikes, tidal slough, salt marsh, and freshwater wetlands. The project area encompasses the English Boom/Leque Island complex and continues the efforts of the WDFW and the Nature Conservancy to acquire and restore critical estuary habitat in the Stillaguamish River estuary. Acquisition and restoration of tidal slough/floodplain habitat is identified as a priority project in the Salmon Habitat Limiting Factors report for WRIA 6 and is a tier one nearshore project in the Island County Recovery Strategy.

Project Ref	Grantee	Project Name	State
02-1463-2003	WA IAC	Salmon Creek	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	15-MAY-03-01-JUN-07	Salmon Habitat Protection and Restoration	$0	$204,071	Lower Columbia

Project Description

Willapa Bay Fisheries Enhancement Group hired a contractor to prepare a more detailed evaluation of Salmon Creek a tributary to the Naselle River. About 6,500 feet have been identified as lacking channel structure and sinuosity. The existing #5900 road was constructed between the stream and an adjacent wetland. The road will be abandoned downstream to the Horse Camp. Road abandonment by the Campbell Group and DNR is not part of the funding request. Improvements will include in-stream habitat features, and re-grading of the channel migration zone to re-connect off-channel habitat.

Project Ref	Grantee	Project Name	State
02-1475-2003	WA IAC	Shine Estuary Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-DEC-03-01-AUG-06	Salmon Habitat Protection and Restoration	$0	$313,095	Puget Sound

Project Description

This project will remove three (3) side-by-side culverts and construct an opening to allow unrestricted tidal and stream flow to the upper estuary. Replacing these culverts with a bridge both removes a fish passage barrier to the 3300-acre watershed and restores 77 acres of estuary. The entire Shine shoreline/tideland and salt marsh provide 90 acres of pristine, Tier 1 rearing habitat for chum, Chinook, coho salmon, steelhead, and cutthroat trout. Approximately 11 acres of the estuary are mud flats, which are prime feeding grounds for all species of salmon smolts.

Project Ref	Grantee	Project Name	State
02-1476-2003	WA IAC	Nisqually River Shoreline Protection	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-SEP-03-31-MAR-05	Salmon Habitat Protection and Restoration	$400,000	$0	Washington Coastal

Project Description

This project is seeking funds to acquire critical shoreline property without identifying in advance each individual parcel. Rather, actual parcels will be evaluated and ranked for acquisition using selection criteria. Each potential acquisition, once identified, will be reviewed and approved by the Nisqually Salmon Recovery Lead Entity, in consultation with the Nisqually Habitat Workgroup, and by the IAC grant officer. The target for the project is a minimum of 100 acres of shoreline property, covering a minimum of two river miles.

Project Ref	Grantee	Project Name	State
02-1482-2003	WA IAC	Dosewallips Estuary Restoration Ph 1	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-03-31-DEC-07	Salmon Habitat Protection and Restoration	$0	$165,017	Puget Sound

Project Description

This project will perform a variety of estuarine restoration measures at the Dosewallips estuary on Hood Canal near Brinnon, WA. Phase 1 work will target publicly owned lands held by WA State Parks and key privately owned lands, which constitute most of the tidally-influenced environment of the lower river. The project will include project identification, prioritization, design, implementation, and monitoring measures. Phase 1 will include distributary slough and estuarine marsh restoration.

Project Ref	Grantee	Project Name	State
02-1483-2003	WA IAC	Perkins Creek Fish Passage	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-03-30-APR-07	Salmon Habitat Protection and Restoration	$0	$100,407	Puget Sound

Project Description

Perkins Creek is located in the McLane Watershed near the west boundary of WRIA 13. Perkins Creek is a multiple salmonid stream system, offering spawning and rearing habitat to chum, coho, winter steelhead and cutthroat trout. The project will remove an anadromous fish barrier culvert and replace it with a larger structure that will allow unimpeded salmonid migration at all life stages. This project will open .75 miles of critical tributary spawning habitat in the McLane Creek basin.

Project Ref	Grantee	Project Name	State
02-1485-2003	WA IAC	Chimacum Creek Estuary Riparian Acq	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	28-MAY-03-30-SEP-03	Salmon Habitat Protection and Restoration	$0	$301,000	Puget Sound

Project Description

This project will acquire 15.3 acres of high quality forested riparian habitat in the Chimacum Creek Estuary. The project will protect one of the most undisturbed estuary riparian areas within Hood Canal and the Straits of Juan de Fuca and prevent incompatible development; degradation of coastal bluff, adjacent estuary wetlands and marine shoreline by protecting and preserving a significant block of steeply sloped forested headlands. The adjacent riparian habitat and key uplands along the ravine banks and marine headlands, platted at urban density, are rapidly developing.

Project Ref	Grantee	Project Name	State
02-1494-2003	WA IAC	Coleman Creek Fish Access	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-30-APR-05	Salmon Habitat Protection and Restoration	$101,774	$0	Yakima

Project Description

This project addresses a fish passage barrier, an unscreened surface water diversion, and an uncontrolled intersection of Bull Ditch and Coleman Creek, a tributary to Wilson Creek in Kittitas County, approximately 3.3 stream miles from the Yakima River. Major tasks include removal of a perched culvert, installation of rock weirs for passage, a control structure for Bull Ditch terminus, and a fish screen for in-stream pump diversion. The project will reconnect approximately one (1) mile of spawning and rearing habitat for Chinook, coho, and steelhead.

Project Ref	Grantee	Project Name	State
02-1498-2003	WA IAC	Abernathy Creek Riparian Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-02-MAY-07	Salmon Habitat Protection and Restoration	$247,131	$0	Lower Columbia

Project Description

This project will restore 84 acres (2.5 miles of shoreline) of riparian habitat along Abernathy Creek with the assistance of Cowlitz County Corrections work crews. Abernathy Creek, a tributary of the Columbia River, provides critical spawning and rearing habitat for ESA-listed Chinook and chum (Threatened), and for coho (Candidate), steelhead and sea-run cutthroat. The three-year project involves weed removal, fencing, and planting native trees and shrubs (including conifers) in the first year. Maintenance and monitoring will be the focus of the second two years.

Project Ref	Grantee	Project Name	State
02-1506-2003	WA IAC	Doty Habitat Restoration Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-15-SEP-06	Salmon Habitat Protection and Restoration	$237,129	$0	Lower Columbia

Project Description

This project will restore degraded salmonid spawning habitat, improve stream complexity and cover and restore rearing habitat on 4,240 feet of the Amboy to Pigeon Springs reach of Cedar Creek, a tributary of the North Fork of the Lewis River. This project will restore stream complexity by the installation of rock vanes, associated pools and spawning gravel, and placement of over 60 rootwads. Over 700 feet of old stream channels will be connected to the stream and developed as year round rearing habitat.

Project Ref	Grantee	Project Name	State
02-1515-2003	WA IAC	Upper Trout Creek Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	12-MAY-03-01-OCT-06	Salmon Habitat Protection and Restoration	$161,580	$0	Middle Columbia

Project Description

Goals: The Upper Trout Creek Rehabilitation project will restore riparian areas and channel stability to recover viable populations of wild steelhead.
Objectives: (1) Riparian areas will be thinned and under planted with native conifers along Upper Trout, Crater, Compass and Layout Creeks. (2) Shade will be increased by 80% within 60 years. (3) Bank stability will increase by 80% within 2 years. (4) Bank full width to depth ratios will be reduced within 2 years. (5) In-stream large woody debris will be increased to100 pieces/river mile within 1 year.

Project Ref	Grantee	Project Name	State
02-1523-2003	WA IAC	Ghost Net Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-31-DEC-06	Salmon Habitat Protection and Restoration	$0	$95,000	Puget Sound

Project Description

This project involves the removal of derelict gill nets from nine (9) different locations in Hood Canal from the mouth of the Skokomish to the Hood Canal Bridge. These nets are currently damaging the marine ecosystem and threatening salmon survival as documented by underwater video footage and three (3) pilot net removals. The nets prioritized for removal are in locations known to be used by migrating salmon such as Dewatto Bay, Potlatch, and Tekin Point.

Project Ref	Grantee	Project Name	State
02-1524-2003	WA IAC	Chewuch Basin Irrigators Conveyance	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-MAY-03-01-MAY-06	Salmon Habitat Protection and Restoration	$0	$294,360	Upper Columbia

Project Description

The project proposes targeted efficiency improvements within the conveyance canals of the three (3)primary irrigators on the Chewuch River (Fulton, Skyline, and Chewuch). Targeted improvements (pipe and lining) will reduce seepage losses, thereby reducing diversion needs for each ditch. The project will convert a total of 4.0 miles of open ditch to enclosed or lined conveyance over 18 months. The project will result in an immediate in-stream flow return of 8-10 cfs, which is equal to the entire late season diversion of the Skyline Ditch.

Project Ref	Grantee	Project Name	State
02-1527-2003	WA IAC	Diversion 14 Fish Screen - Ahtanum Cr.	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	06-MAY-03-31-OCT-04	Salmon Habitat Protection and Restoration	$199,000	$0	Yakima

Project Description

The North Yakima CD, through the Yakima Basin Tributary Access and Habitat Program (YBTAHP), proposes an engineered fish screen design and improvements on Ahtanum Creek, approximately 11 miles upstream from the Yakima River. Ahtanum Creek lies partially within the Yakama Nation, and currently supports steelhead, Bull Trout, Chinook and Coho salmon. It is the last unscreened gravity diversion remaining on the Ahtanum Creek. All other diversions on Ahtanum have been or are currently being screened or converted to screened pump diversions.

Project Ref	Grantee	Project Name	State
02-1529-2003	WA IAC	Gull Harbor Conservation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-01-OCT-04	Salmon Habitat Protection and Restoration	$756,872	$0	Puget Sound

Project Description

Capitol Land Trust will acquire a conservation easement that permanently protects Gull Harbor, a 30-acre estuary, with 2.2 miles of surrounding shoreline vegetation and 64 acres of adjacent upland. Gull Harbor is located on the east side of Budd Inlet, north of Olympia. It is one of southern Puget Sound's most intact estuarine environments, providing high quality habitat suitable for chum, coho, sea-run cutthroat, chinook, and prey species such as sand lance, surf smelt, and Pacific herring. When all project phases have been completed, the entire estuary --three (3) miles of shoreline and 700 acres of upland-riparian habitat will be protected.

Project Ref	Grantee	Project Name	State
02-1530-2003	WA IAC	Salmon River Trib 21-0143 CulvertBarrier	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-OCT-06	Salmon Habitat Protection and Restoration	$0	$125,300	Washington Coastal

Project Description

This project would replace a fish barrier culvert on a WRIA # 21-0143 tributary to the Middle Fork of the Salmon River. The culvert is located on the tributary stream 110 feet above the Salmon River at RM 13.4. Removal and replacement of this culvert with an adequately sized culvert pipe arch or open bottomed arch will provide unimpeded access to 0.8 miles of spawning and rearing habitat for coho, steelhead and cutthroat. This road provides access to Quinault Indian Nation (QIN) lands and Olympic National Forest lands. This culvert was identified in a USFS culvert inventory and has a high priority for replacement.

Project Ref	Grantee	Project Name	State
02-1535-2003	WA IAC	Weyco Mashel Shoreline Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-15-APR-04	Salmon Habitat Protection and Restoration	$250,000	$0	Puget Sound

Project Description

The Weyerhaeuser Company owns 65 acres of timberland with old growth values along the right bank of the Mashel River from RM 2.2 to 3.2, immediately downstream of the Highway 7 bridge. The Mashel at this site contains excellent salmon spawning and rearing habitat, currently utilized by Chinook, pink, coho and steelhead. This land is proposed for inclusion in the Nisqually Mashel State Park; however, Weyerhaeuser and state parks cannot agree on the value of the timber. After acquisition the land will be transferred to state parks; however, prior to that transfer the applicant will insure that all salmonid habitat values, including in particular the timbered stream corridor, will be permanently protected.

Project Ref	Grantee	Project Name	State
02-1540-2003	WA IAC	Touchet River Screens Phase 2	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	05-MAY-03-31-DEC-06	Salmon Habitat Protection and Restoration	$116,550	$0	Middle Columbia

Project Description

This project provides a cost share to landowners in the Columbia CD's and WDFW's Voluntary Screen Compliance Program. Phase 1 identified and obligated 30 screens for diversions on private properties. This project, Phase 2, identifies and funds additional screens in the Touchet watershed. Regionally, fish barriers and screens are the highest priority for action due to immediate and long-term benefit for ESA-listed spring and fall Chinook, bull trout and steelhead. Partners include WDFW, Department of Ecology, Walla Walla Community College, and landowners.

Project Ref	Grantee	Project Name	State
02-1543-2003	WA IAC	Walla Walla Urban Fish Screens & Meters	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-SEP-03-31-OCT-06	Salmon Habitat Protection and Restoration	$318,646	$0	Middle Columbia

Project Description

The Walla Walla Conservation District, in cooperation with private landowners, will oversee the installation of fish screens and flow meters on 100 small, urban irrigation pump diversions on fish bearing streams in and around the cities of Walla Walla and College Place. This will address low flows for steelhead and reintroduced spring chinook and the mortality of juvenile salmonids due to entrainment in irrigation withdrawals. Partners include WDFW's Voluntary Screen Compliance Program, the Department of Ecology, and Walla Walla Community College.

Project Ref	Grantee	Project Name	State
02-1544-2003	WA IAC	Tucannon River Screens Phase 2	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	05-MAY-03-31-DEC-06	Salmon Habitat Protection and Restoration	$116,550	$0	Lower Snake

Project Description

This project provides a cost share to landowners in the Columbia CD's and WDFW's Voluntary Screen Compliance Program. Phase 1 identified and obligated 40 screens for diversions on private properties. This project, Phase 2, identifies and funds additional screens in the Tucannon watershed. Regionally, fish barriers and screens are the highest priority for action due to immediate and long-term benefit for ESA-listed spring and fall Chinook, bull trout and steelhead. Partners include WDFW, Department of Ecology, Walla Walla Community College, and landowners.

Project Ref	Grantee	Project Name	State
02-1545-2003	WA IAC	Elk Creek Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$707,625	Washington Coastal

Project Description

This project will acquire 220 acres, a narrow strip ¼ mile wide by 1 ¼ miles long that forms the valley floor of Elk Creek, near Forks. The project site borders both sides of this unaltered steam corridor and the lower portions of the adjacent steep hillsides. This area is currently owned by ITT Rayonier and is slated for clear-cut logging operations. Elk Creek provides one-third of the total spawning habitat in the entire Calawah Basin. This project will protect valuable spawning and rearing habitat by direct purchase from Rayonier.

Project Ref	Grantee	Project Name	State
02-1551-2003	WA IAC	Carpenter Creek/Appletree Creek Restore	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-01-FEB-08	Salmon Habitat Protection and Restoration	$0	$618,905	Puget Sound

Project Description

This project (Phase 1) replaces the South Kingston Road culvert culvert with a 70-foot single span bridge within the Carpenter Creek estuary near Kingston, WA. The undersized culvert prevents adequate flow between the salt marsh and estuary and is a partial fish barrier. The culvert also has created large, deep scour holes at both ends of the culvert; trapping juvenile salmonids at low tide, where they become easy prey. The project will reestablish natural tidal flow to approximately 26.2 acres of estuary/saltmarsh habitat.

Project Ref	Grantee	Project Name	State
02-1552-2003	WA IAC	Nisqually Estuary/Red Salmon Slough Rest	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-AUG-07	Salmon Habitat Protection and Restoration	$286,416	$0	Puget Sound

Project Description

This project will restore approximately 110 acres of diked pasture in the Nisqually Delta and return it to its original estuarine condition by removing and setting back approximately 6000 linear feet of dikes. The result will be an estimated 18% increase of total saltmarsh and fresh/salt transitional habitat in the Nisqually Estuary. The project will be accomplished by removing the dikes, which impede the tides from inundating the southern areas of Red Salmon Slough. This is the second and largest phase of the Tribe's plan to restore natural estuarine functions on their land.

Project Ref	Grantee	Project Name	State
02-1556-2003	WA IAC	Barker Creek Estuary Culvert Replacement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-30-APR-07	Salmon Habitat Protection and Restoration	$417,000	$0	Puget Sound

Project Description

This project will replace a 36-inch diameter culvert, installed in 1939 at the estuary, with an aluminum bottomless culvert. Currently, the high tidal flows cause velocity barriers for juveniles and the low flows limit the natural processes for ideal fish habitat at all stages of fish life. Barker Creek provides spawning and rearing habitat for Coho, Chum, Cutthroat, and Steelhead.

Project Ref	Grantee	Project Name	State
02-1560-2003	WA IAC	Skokomish River Nalley Is Levee Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$197,600	Puget Sound

Project Description

This application represents Phase 2 of the SRFB funded Skokomish River Estuary restoration, removing agricultural dikes and a seawall on Nalley Island. The project will restore tidal enfluence to over 285 acres. ESA listed chinook, summer chum and bull trout are all found within this area. Historic evidence suggest ESA listed summer chum spawning may have extended into the floodplain from the river mouth upstream. This project will also benefit coho, winter steelhead, fall and winter chum, pinks, sea run cutthroat, and potentially sockeye.

Project Ref	Grantee	Project Name	State
02-1561-2003	WA IAC	Edgewater Park Off-Channel Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-31-DEC-05	Salmon Habitat Protection and Restoration	$333,000	$0	Puget Sound

Project Description

This project will help construct approximately 34 acres of restored off-channel sloughs and reconnect isolated habitat to the Skagit River. Edgewater Park is in the City of Mount Vernon and provides key protection and shelter habitat to all salmon species at various life stages. A SRFB-funded feasibility study (00-1745N) determined the most cost effective and sustainable method for restoring this area. A DNR ALEA grant has allowed design, engineering and permitting to proceed.

Project Ref	Grantee	Project Name	State
02-1563-2003	WA IAC	Fornsby Creek SRT	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-31-DEC-05	Salmon Habitat Protection and Restoration	$285,000	$0	Puget Sound

Project Description

This self-regulating tidegate (SRT) project is a fish passage and habitat restoration project located along the Swinomish Channel of the Skagit River delta. The project proposes to replace existing impassible tide gates with SRTs to enable passage, restore tidal influence to the channels, and increase the available habitat for all salmonid species. The project will also restore 1.3 miles of the re-opened channel's riparian habitat. In total, the project will re-open more than 5 miles of channel to fish and improve over 50 acres of aquatic habitat.

Project Ref	Grantee	Project Name	State
02-1572-2003	WA IAC	Upper Willapa River Riparian Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-AUG-05	Salmon Habitat Protection and Restoration	$78,750	$0	Washington Coastal

Project Description

This project will implement agricultural practices in the Upper Willapa River Basin to improve fish habiat and water quality. These practices include livestock watering facilities, livestock crossings, channel vegetation, fencing, and use exclusion. Fencing will prevent livestock from directly depositing feces and urine in stream and excludes livestock from the riparian zone. This practice prevents trampling of the streambank by livestock thereby preventing soil erosion. This grant application in conjunction with the already acquired DOE grant will dramatically improve water quality within this region.

Project Ref	Grantee	Project Name	State
02-1573-2003	WA IAC	Lake Pleasant & Lake Creek Conservation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	08-MAY-03-31-MAR-07	Salmon Habitat Protection and Restoration	$297,500	$0	Washington Coastal

Project Description

This project will permanently protect, by conservation easements, productive sockeye, coho, steelhead and cutthroat habitat on about 29 undeveloped acres on the north shore of Lake Pleasant. The project area includes 1,300 feet of Lake Creek, tributaries to the creek and the lake and approximately 10 acres of forested wetland. All the sockeye in the Quillayute system spawn in Lake Pleasant, preferring the north shore. They are a unique stock, an Evolutionarily Significant Unit whose status appears stable.

Project Ref	Grantee	Project Name	State
02-1574-2003	WA IAC	Malaney Creek Fish Passage Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-AUG-03-01-OCT-05	Salmon Habitat Protection and Restoration	$326,780	$0	Puget Sound

Project Description

Malaney Creek travels for about three miles from the outlet of Spencer Lake to the confluence with Oakland Bay. Approximately 0.50 miles upstream of Oakland Bay, a major culvert barrier exists under Agate Road. This project will provide better access to 2.5 miles of habitat for Coho, steelhead, chum salmon and cutthroat trout. The available habitat is considered to be functional and intact. SPSSEG and partners will build a cost effective solution that benefits salmon and their habitat needs. This project will construct a 22' wide x 100' long concrete box. Much of the match will be provided by Mason County and the landowner, in the form of cash and donated labor and equipment.

Project Ref	Grantee	Project Name	State
02-1579-2003	WA IAC	Foothills Trail Culvert Replacement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-31-DEC-04	Salmon Habitat Protection and Restoration	$172,878	$0	Puget Sound

Project Description

The Foothills Trail Culvert Replacement project will open a large area of wetland refugia to juvenile salmon in a tributary to South Prairie Creek. The wetland habitat is less than 150 yards from mainstem South Prairie Creek, a priority stream for salmon recovery in the Puyallup River Watershed. The existing concrete culvert under the Foothills Trail is a total barrier to fish passage due to a 1' perch with no plunge pool, high velocity, and the bare pipe barrel. The project will replace this barrier culvert with an 8' diameter aluminum culvert with spawning gravel in the invert.

Project Ref	Grantee	Project Name	State
02-1581-2003	WA IAC	Brownes Cr Instream Habitat Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-31-OCT-04	Salmon Habitat Protection and Restoration	$78,129	$0	Puget Sound

Project Description

This project will restore the formerly productive instream chinook habitat in Brownes Creek on the Olympic Peninsula. A portion of the creek was destroyed when a massive debris torrent initiated from a plugged culvert and deep road-fill failure scoured the channel 20-30 feet high and removed wood from the channel for two miles. The wood, critical to rearing junveniles and adult spawners, will be relocated back into the stream by using heavy equipment. Approximately one mile of stream will be treated, and additional stream segments will be seeded at stream crossings.

Project Ref	Grantee	Project Name	State
02-1584-2003	WA IAC	South Prairie Creek Habitat Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-03-11-FEB-05	Salmon Habitat Protection and Restoration	$425,000	$0	Puget Sound

Project Description

South Prairie Creek, the primary tributary to the Carbon River, is the most important salmonid spawning area in the Puyallup watershed; producing nearly half of all the wild steelhead in the Puyallup River system, the only significant run of pink salmon, and important returns of chinook, coho, chum salmon and sea-run cutthroat trout. This project proposes the acquisition of priority properties along South Prairie Creek based on the results of the South Prairie Creek Action Plan funded in the 3rd Round of SRFB grants in 2001.

Project Ref	Grantee	Project Name	State
02-1588-2003	WA IAC	Kanaskat - Phase 3	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	09-SEP-03-30-DEC-05	Salmon Habitat Protection and Restoration	$0	$596,190	Puget Sound

Project Description

The purpose of this proposal is to protect 48 acres with 3,800 feet of river frontage on the Green River. Preserving these parcels would: protect premier Chinook spawning and rearing habitat, expand the ecological influence of previous acquisitions and create a critical link between large blocks of public open space, protect three (3) perennial streams that provide important habitat features for salmon, and facilitate future fish habitat restoration projects.

Project Ref	Grantee	Project Name	State
02-1589-2003	WA IAC	Smoke Farm North Floodplain Acq & Rest	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	30-JUN-03-31-JAN-05	Salmon Habitat Protection and Restoration	$0	$283,000	Puget Sound

Project Description

This project will acquire 125 acres of floodplain, including a ¾-mile stretch along the North Fork Stillaguamish River. Natural processes critical for maintaining and creating high-quality habitat for chinook, coho, chum, cutthroat, steelhead, and bulltrout will be restored and enhanced. Rearing habitat and refuge, floodplain connectivity and complexity, side channel sloughs and beaver ponds, and riparian diversity will be restored and maintained. Partners include the Natural Resource Conservation Service, Snohomish County, and the landowners.

Project Ref	Grantee	Project Name	State
02-1591-2003	WA IAC	Little Skookum Valley, Phase I: Passage	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-AUG-03-30-OCT-04	Salmon Habitat Protection and Restoration	$130,340	$0	Puget Sound

Project Description

This salmon enhancement project will improve a Mason County stream/road crossing on Skookum Valley Creek, (a tributary to Skookum Creek at RM 5). The Eich Rd culvert is a nearly impassable structure that has begun to rust and fail. The water is falling through rust spots at the outlet making it difficult for salmon migration. The likely structure will be a large 18' Aluminum Arch Culvert or 20' pre-fabricated bridge. The project will open 1.4 miles and allow for fish migration at all life stages.

Project Ref	Grantee	Project Name	State
02-1592-2003	WA IAC	Curley Creek Estuary Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-JUN-03-15-NOV-04	Salmon Habitat Protection and Restoration	$294,500	$0	Puget Sound

Project Description

This project will preserve the Curley Creek estuary, by acquiring the lands (20 acres) that comprise its entire shoreline, the surrounding steep slopes, and six (6) adjacent forested upland parcels. The Curley/Salmonberry Creek system, one of the largest watersheds in south Kitsap, supports five (5) species of salmonids: Chinook, coho, chum, steelhead, and cutthroat. Its estuary is currently in a relatively natural state and in good condition, without any armoring or other development on its shoreline or slopes.

Project Ref	Grantee	Project Name	State
02-1596-2003	WA IAC	Little Deer Erosion Control	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	30-MAY-03-31-DEC-05	Salmon Habitat Protection and Restoration	$262,500	$0	Puget Sound

Project Description

Little Deer Creek is a major tributary to chinook bearing Deer Creek (an important tributary to the North Fork Stillaguamish River) and has 10 miles of anadromous and resident fish habitat used by bull trout, steelhead, and coho. In partnership with the USFS, this project will provide controlled drainage through various treatments on 13.85 miles of Little Deer Road in order to reduce risk of road failure, erosion, and sediment production in the watershed. These actions will lower negative effects on fish habitat for spawning and rearing (egg-to-fry survival/rearing survival) and water quality.

Project Ref	Grantee	Project Name	State
02-1601-2003	WA IAC	Lower Green River Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	11-JUL-03-21-NOV-03	Salmon Habitat Protection and Restoration	$975,085	$0	Puget Sound

Project Description

This project will acquire the Rosso Nursery, a Lower Green River property that totals 36.7 acres and 0.92 miles of undeveloped shoreline. The project will: 1) protect a large open space property located inside a long meander bend of the Lower Green River, 2) preserve the future opportunity to restore properly functioning salmonid habitat in a portion of the watershed that currently lacks such features, and 3) increase habitat connectivity among habitat restoration sites within this reach of the river.

Project Ref	Grantee	Project Name	State
02-1602-2003	WA IAC	Donkey Creek Culvert	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-31-DEC-07	Salmon Habitat Protection and Restoration	$119,000	$0	Washington Coastal

Project Description

This project would replace a known fish barrier on Donkey Creek, a small tributary to the Clearwater River in WRIA 21. Donkey Creek enters the Clearwater at RM .22 below a large gravel bar locally known as "Picnic Bar". The barrier consists of three (3) concrete culverts under the Clearwater Road at Milepost 1.3, just south of Quinault Ridge road. WDFW staff identified this barrier as one needing replacement in a Jefferson County culvert inventory. The project would open up 1.4 miles of rearing area for coho, chum, cutthroat, steelhead, and Dolly Varden/bull trout.

Project Ref	Grantee	Project Name	State
02-1604-2003	WA IAC	Nordheim Riparian Enhancement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$18,337	Middle Columbia

Project Description

This riparian enhancement project is located on private property in Upper Dry Creek, a tributary to the Walla Walla River, and an identified steelhead spawning and rearing area. This project will vegetate a riparian buffer, develop an off-site watering system, and fence out livestock to improve salmon habitat. Riparian buffer establishment will improve habitat by increasing buffer filtration function and shading, reducing direct sediment impacts by stabilizing stream banks, and provide for organic debris recruitment. Water quality will improve by reducing livestock impacts.

Project Ref	Grantee	Project Name	State
02-1606-2003	WA IAC	Pentland Creek/Smoke Farm Rearing	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-31-DEC-05	Salmon Habitat Protection and Restoration	$105,715	$0	Puget Sound

Project Description

This project will improve instream and riparian conditions along 2,690 feet of off-channel rearing habitat in a ditched tributary of Fry Creek on the North Fork Stillaguamish River. Restoration will include relocation of the roadside ditch system into a remnant channel, placing LWD and planting native woody vegetation. The project will provide rearing habitat for coho, chum, and pink salmon and cutthroat trout, and potential rearing habitat for chinook. Partners include Snohomish County, the Stillaguamish Clean Water District, Stillaguamish Tribe, CREP, and 2 private landowners.

Project Ref	Grantee	Project Name	State
02-1612-2003	WA IAC	Riparian Enhancement Team - Phase 2	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-31-JUL-07	Salmon Habitat Protection and Restoration	$159,141	$0	Yakima

Project Description

The Yakima County Dept. of Corrections (YCDOC) is currently providing tools, transportation and labor for riparian restoration work at priority stream sites in Yakima County. Inmate crews provide dependable, low cost labor that is available year round to start, service and maintain projects located on the Yakima River and tributaries. This request is to enhance service for the existing project sites and to restore new high priority sites. Since 2001, YCDOC has worked at 14 riparian sites and planted 390 plants and 7,382 trees.

Project Ref	Grantee	Project Name	State
02-1616-2003	WA IAC	Vandersar Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-31-OCT-06	Salmon Habitat Protection and Restoration	$170,000	$0	Puget Sound

Project Description

The Project will take place on a 130-acre parcel located on Ross Island Slough in the middle Skagit River. Seattle City Light is acquiring this property through a separate fee-simple purchase. This area provides important spawning and rearing habitat to Chinook, Coho, Steelhead, and Bull Trout. Approximately 29.4 acres of riparian and wetland habitat will be restored along the slough and Anderson Creek. The existing road crossings on the slough will be replaced with bridges, restoring access to a 6-acre oxbow.

Project Ref	Grantee	Project Name	State
02-1620-2003	WA IAC	Minkler Lake Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-15-JUL-04	Salmon Habitat Protection and Restoration	$0	$210,106	Puget Sound

Project Description

The project proposes to purchase approximately 107 acres in and around Minkler Lake, which is a mile-long remnant oxbow lake located in the Skagit River floodplain. The property encompasses most of the lake and wetland system providing rearing habitat for juvenile Coho salmon and for sea-run Cutthroat trout, which access the lake through Childs Creek. SLT will also explore partnership and funding opportunities for preferred restoration options and for additional acquisition, if appropriate.

Project Ref	Grantee	Project Name	State
02-1621-2003	WA IAC	Sequim Prairie Tri-Irrigation Reservoir	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-01-JUN-05	Salmon Habitat Protection and Restoration	$533,174	$0	Puget Sound

Project Description

This water conservaton project is a Re-regulation Reservoir and pressurized piping system in the Port Williams area near Sequim. The project will construct a complete water storage and distribution system for 670 acres of farmland. Withdrawls are estimated to decrease from the Dungeness by 3.0cfs during the irrigation season, of April 15 to Sept. 15, and improve habitat for all fish species in the lower 6 miles of the river. Species benefitted will be ESA listed as threatened Puget Sound chinook, summer chum and bull trout, as well as the summer steelhead and fall pink which are considered critical by the NOPTRG.

Project Ref	Grantee	Project Name	State
02-1622-2003	WA IAC	Issaquah Cr Log Cabin Reach Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-01-JUL-05	Salmon Habitat Protection and Restoration	$708,671	$0	Puget Sound

Project Description

This project seeks to acquire eight parcels (152 acres) along Issaquah Creek in the Middle Issaquah Creek Basin protecting mature forests, wetlands and a riparian corridor along 1-1/4 miles. The reach provides excellent rearing and spawning habitat including braided channels and pools with high water refugia for juvenile fish, clean spawning gravel, large woody debris and a diverse and sinuous riparian corridor. Issaquah Creek supports ESA-listed Chinook, char (possibly ESA listed bull trout), sockeye, coho, kokanee, steelhead and cutthroat.

Project Ref	Grantee	Project Name	State
02-1623-2003	WA IAC	Snohomish R Confluence Reach Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-01-JAN-07	Salmon Habitat Protection and Restoration	$586,500	$0	Puget Sound

Project Description

This project is a reach-scale restoration effort on three miles of important spawning, rearing, migration, and holding habitat for Chinook and other salmonids on the Snohomish River, downstream from the confluence of the Skykomish and Snoqualmie rivers. Restoration will be based on a comprehensive reach-scale analysis already completed by Snohomish County. Restoration at three identified sites will include riparian planting, bank restoration, large woody debris placement, reconnection of off-channel areas, and breach design at two dike sites.

Project Ref	Grantee	Project Name	State
02-1625-2003	WA IAC	SF Skagit Levee Setback Acq. & Rest.	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-30-JUN-07	Salmon Habitat Protection and Restoration	$0	$902,270	Puget Sound

Project Description

This project will complete acquisition and restoration of 37 acres of mainstem habitat along the South Fork Skagit River by removing 2,500 feet of existing levee and setting it back adjacent to the county road. The area riverward of the existing levee contains off-channel and high-flow channels with excellent riparian vegetation. The properties will be naturally restored to off-channel/wetland and riparian habitat providing multiple benefits to five salmon and two trout species. Tidal back-water effects are present at the site and the area is partially inundated twice daily by tidal activity.

Project Ref	Grantee	Project Name	State
02-1629-2003	WA IAC	Pearsons Eddy Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	09-JUN-03-30-JAN-05	Salmon Habitat Protection and Restoration	$0	$360,002	Puget Sound

Project Description

This project will acquire 215 acres of floodplain on the lower Snoqualmie River. Federal funds will be leveraged to purchase a conservation easement on the property and for restoration of the site. These properties are part of a large-scale conservation effort to acquire and restore 560 acres, including 2 miles of Snoqualmie River shoreline. The reach has been identified as a critical corridor for Chinook and other salmonids migrating to spawning grounds. Partners in the restoration effort include Ducks Unlimited and the Natural Resource Conservation Service.

Project Ref	Grantee	Project Name	State
02-1630-2003	WA IAC	MF Nooksack Side Channel Improvement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-30-JAN-06	Salmon Habitat Protection and Restoration	$117,083	$0	Puget Sound

Project Description

This project improved and protected spawning and rearing conditions in a 3,500 feet long spring-fed side channel of the Middle Fork Nooksack River in Whatcom County. The Nooksack Salmon Enhancement Association placed 200 pieces of large wood debris in the channel to improve gravel sorting, pool formation, cover and overall channel roughness. The channel is used by spawning ESA listed native chinook, as well as wild spawning populations of coho, pink, and steelhead salmon. The channel is supplied with 12 cubic feet per second flow of high quality, year-round spring-fed water. The large wood debris was placed along the channel using a helicopter and a track excavator to arrange the wood in stable arrays.

Project Ref	Grantee	Project Name	State
02-1648-2003	WA IAC	Kwina Slough Acq. & Riparian Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-30-NOV-06	Salmon Habitat Protection and Restoration	$303,975	$0	Puget Sound

Project Description

This proposal is to purchase and preserve 93.3 acres of riparian habitat bordering Kwina Slough and the remnant Steamboat Slough in the Nooksack River Estuary and to restore riparian functions, including invasive plant control and native plantings. The project will protect vital rearing habitat for all salmonid species. The acquisition of this site will also facilitate instream treatment options being developed in the Nooksack Estuary Habitat Assessment Project (3rd Rd. SRFB).

Project Ref	Grantee	Project Name	State
02-1650-2003	WA IAC	Methow Critical Riparian Habitat Acq	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-15-DEC-06	Salmon Habitat Protection and Restoration	$1,958,010	$0	Upper Columbia

Project Description

This proposal requests funding for conservation easement purchases on seven critical properties between the towns of Winthrop and Mazama. These easements will instigate protection of the Upper Methow Habitat Block, a corridor of extremely high-quality riparian habitat where side channels, large woody debris and spawning areas are abundant. Currently only 33 acres of private land in the reach are protected. This proposed project will protect over 1000 acres and 6.8 miles of riverfront habitat.

Project Ref	Grantee	Project Name	State
02-1656-2003	WA IAC	Dry/Cabin Crk Fish Passage & Screening	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-30-APR-05	Salmon Habitat Protection and Restoration	$164,051	$0	Yakima

Project Description

This project addresses unscreened, impassable irrigation water diversions that serve an inefficient irrigation system. Major tasks include the installation of a fish screen, fish passage structure, mini-pivot irrigation systems, and riparian restoration. The irrigation diversion structures currently block access to approximately 1.2 miles of rearing habitat. The project site includes a springbrook waterway known as Cabin Creek and Dry Creek, a tributary to the Yakima River, providing rearing habitat for spring Chinook.

Project Ref	Grantee	Project Name	State
03-1178-2003	WA IAC	Derelict Fishing Net Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$150,000	Puget Sound

Project Description

The proposed project will remove known derelict fishing nets from the waters of Puget Sound and the Strait of Juan de Fuca. The program is time-critical in that nearly 100 derelict nets presenting the risk of serious unobserved mortality have been located under the Endangered Species Act. Immediate removal of these nets will clear obstructions to migrating salmon and other anadromous fish and reduce unobserved mortality.

Project Ref	Grantee	Project Name	State
04-1438-2003	WA IAC	Close Property Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$3,400	$0	Puget Sound

Project Description

This project will acquire nearly 560-feet of high quality nearshore habitat. The Close Property features an active feeder bluff, mature mixed-stand marine riparian forest, and a mixed-course sediment beach with large woody debris, sorted sediments, and associated aquatic habitats. The nearshore in the project area has been documented to support a great diversity of salmonid species and important prey resources, including chinook, chum, coho, pink, cutthroat, steelhead, sand lance, surf smelt, and herring. The project area may support other salmonid species, such as bull trout. This project will protect on-site habitats and functions important to the success of salmonids and their prey resources in the nearshore. Based on the Bainbridge Island Nearshore Assessment, a SRFB funded project, we know the Close Property is a priority conservation area located within an at-risk drift-cell. The project is important to maintaining properly functioning conditions along a drift-cell that contains very sensitive habitats, including a stream subestuary/lagoon, a pocket estuary, and forage fish spawning areas. The Close Property is at-risk of being sold & developed, but can become a significant part of a larger system of nearshore and terrestrial habitat conservation if acquired. This grant request will contribute to the acquisition of the nearshore portions (i.e. intertidal and marine riparian habitat) of the 64-acre Close Property, which abuts the 318-acre Gazzam Lake Park and Wildlife Preserve.

Project Ref	Grantee	Project Name	State
04-1639-2003	WA IAC	Dosewallips River Floodplain Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	03-DEC-04-30-JUN-09	Salmon Habitat Protection and Restoration	$246,600	$0	Puget Sound

Project Description

The Dosewallips River contains some of the most important and highest quality salmonid habitat in eastern Jefferson County, as identified by the Eastern Jefferson County Refugia Study and the HCCC Salmon Recovery strategy. The project will permanently protect critical instream habitat and floodplain connections through acquisition. This will prevent future habitat degradation and will provide an opportunity for threatened stocks to maintain spawning populations in the Dosewallips River.

For the Dosewallips Floodplain Acquisition project, we propose the acquisition of roughly 93 acres of riparian and floodplain habitat comprising about ¾ mile of river length with critical salmonid habitat. The project is located about 1 ½ miles upstream from the mouth, just west of Brinnon. The acquisition proposed includes an entire river reach that has a complex floodplain, substantial woody debris, side channels and tributaries used as spawning and rearing habitat. The project will acquire a reach of the Dosewallips River with the highest spawning use by threatened Puget Sound chinook in some years, which is also used for spawning by threatened Hood Canal summer chum and coho salmon. In addition, the high quality habitat is used by steelhead, pink salmon and cutthroat trout.

This project will address a critical need for protection and restoration of salmonid stocks by cost-effectively protecting habitat in perpetuity.

Project Ref	Grantee	Project Name	State
04-1714-2003	WA IAC	Snyder Creek Mill Site Fish Passage	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	03-DEC-04-03-MAY-05	Salmon Habitat Protection and Restoration	$204,873	$0	Middle Columbia

Project Description

This project will restore fish passage in Snyder Creek, a Klickitat River tributary, and provide steelhead and coho salmon with access to good spawning and rearing habitat above the Klickitat mill site, which is located at the mouth of the creek. The Snyder Creek watershed is ranked ninth among the 21 top priority geographic areas in the Klickitat Lead Entity Region Salmon Recovery Strategy.

The mill site reach of Snyder Creek contained multiple barriers, including a 2,300 foot concrete flume, a concrete and wood dam, and two culverts. Restoration work at the project site commenced in 2003. Work completed in 2003 included installation of fish passage weirs below and within the mill flume, removal of the dam, and replacement of two culverts with bridges. Most of the work needed to restore fish passage has been completed. The work yet to be completed comprise the scope of work for the proposed Snyder Canyon Creek Mill Fish Passage project. These items are the installation of ninety-six weirs, the removal and disposal of an asbestos lined pipe, some earthwork and bank protection, and reconstruction of a section of the flume wall.

Project Ref	Grantee	Project Name	State
04-1715-2003	WA IAC	Klickitat R. Conservation & Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	03-DEC-04-30-JUN-09	Salmon Habitat Protection and Restoration	$577,981	$0	Middle Columbia

Project Description

The Klickitat River Floodplain Conservation and Restoration (Phase I) project will protect and restore habitat between river miles 18.3 and 32.2 of the Klickitat River. This portion of the river has the greatest habitat complexity of any reach on the lower Klickitat River and provides critical spawning, migration, and rearing habitat for winter and summer steelhead (ESA-Threatened), Chinook salmon (spring and fall runs), and coho salmon. The project area occurs within a reach identified in the "Klickitat Lead Entity Salmon Recovery Strategy" as the second highest of 21 top priority geographic areas. This reach provides the highest proportion of basin-wide spawning habitat for all three species, accounting for roughly 30%, 51%, and 38% of the annually observed spawning basin-wide for steelhead, fall chinook, and coho, respectively. Riparian and floodplain conditions have been degraded by a combination of 1996 flood deposits and channel encroachment by road fill. Although the absence of other floodplain development, coupled with somewhat less-confined valley conditions, has afforded the river in this reach greater resiliency than downstream reaches. Phase I will protect 320 acres of floodplain, re-vegetate 7.5 acres of riparian and floodplain habitat, and conduct a feasibility assessment to assist Phase 2 planning for reduction of adverse river-road interactions.

Project Ref	Grantee	Project Name	State
01-1213-2002	WA IAC	Entiat River Habitat Acquisition - 2	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-31-DEC-04	Salmon Habitat Protection and Restoration	$266,417	$0	Upper Columbia

Project Description

This project will acquire and permanently protect nearly one mile of the most important salmonid spawning and rearing habitat on the Entiat River. This project builds on and enhances the nearly $1.5 million acquisition project (SRFB funding) the CDLT did on the Entiat last year. This project protects key spawning areas and rearing habitat for endangered spring chinook, endangered steelhead, threatened bull trout, and summer chinook.

Project Ref	Grantee	Project Name	State
01-1216-2002	WA IAC	Lower Columbia River Estuary: Deep River	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-APR-02-01-JUL-06	Salmon Habitat Protection and Restoration	$693,465	$0	Lower Columbia

Project Description

This project will acquire and restore approximately 198 acres forested wetland/floodplain habitat. Restoration will include levee breaches, tidgate removal, ditch filling, and swale enhancement. Reconnecting this floodplain property with the river will improve habitat and water quality, restore salmonid rearing habitat, and will increase basin productivity for all life history stages of salmonids.

Project Ref	Grantee	Project Name	State
01-1217-2002	WA IAC	Lower Col. River: Grays River Phase III	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-APR-02-15-SEP-05	Salmon Habitat Protection and Restoration	$0	$375,182	Lower Columbia

Project Description

This project will acquire and restore 183 acres of intertidal emergent and forested wetlands. This project will restore free flowing access of Seal Slough into the entire project area; ten (10) levees will be breached; tidegates removed; historic flood channels excavated; drainage ditches filled; large woody debris introduced; and spruce, cedar, and other native species planted. This project complements two (2) previous Salmon Recovery funded projects.

Project Ref	Grantee	Project Name	State
01-1220-2002	WA IAC	Larson Creek Fish Passage Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-NOV-02-31-MAR-06	Salmon Habitat Protection and Restoration	$61,500	$0	Lower Columbia

Project Description

This project will restore fish passage to a beaver pond/wetland/stream complex that is currently inaccessible due to a perched culvert and an aggraded stream channel. The culvert crossing Stauffer Road is perched 2.5 feet and is located just 45 feet from the confluence with the Little Washougal River. Approximately 3,500 feet of habitat will be opened up by this project. This project is intended to benefit juvenile salmon of all species by creating access to ideal off-channel winter and summer rearing habitat.

Project Ref	Grantee	Project Name	State
01-1221-2002	WA IAC	Wood's Landing Chum Spawning Site Protec	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	02-AUG-02-31-DEC-04	Salmon Habitat Protection and Restoration	$576,341	$0	Lower Columbia

Project Description

This acquisition project will protect the largest Lower Columbia River chum production site between the Grays River near the mouth of the Columbia River and Hardy/Hamilton Creeks just below Bonneville Dam. The project will protect 6.78 acres and 600 feet of shoreline, immediately above this significant chum spawning habitat in Vancouver, Washington. The properties are mostly forested with excellent riparian habitat. Without the proposed acquisition, the threat of residential development of the site in the near future is very high.

Project Ref	Grantee	Project Name	State
01-1225-2002	WA IAC	Stringer Creek	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	16-APR-02-30-MAY-05	Salmon Habitat Protection and Restoration	$182,257	$0	Washington Coastal

Project Description

This project will correct a 1931 blocking fish ladder and make in stream improvements to restore damaged habitat. This will open 4.85 miles of spawning and rearing habitat above the blockage.
The project is in the upper Willapa River watershed which has supported large numbers of salmon until the fish ladder became blocking years ago. A professional assessment shows that the fish ladder is blocking (priority index of 33.1), and is in danger of failure due to undercutting.

Project Ref	Grantee	Project Name	State
01-1227-2002	WA IAC	Honey Creek	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	16-APR-02-30-MAY-05	Salmon Habitat Protection and Restoration	$95,295	$0	Washington Coastal

Project Description

This project will replace a salmon blocking 70 inch wood culvert in Pacific County (WRIA 24) Naselle subwatershed under Salmon Creek Road. The project will open approximately 1.1 miles of important biological processes of spawning and rearing; 4453 square meters of spawning habitat and 9041 square meters of rearing habitat. The existing culvert is a total barrier to the upward migration of anadromous fish species as well as the movement of resident fish within the stream system. The PI for this culvert is 28.18.

Project Ref	Grantee	Project Name	State
01-1228-2002	WA IAC	Touchet River Diversion Screens	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-31-DEC-05	Salmon Habitat Protection and Restoration	$113,488	$0	Middle Columbia

Project Description

The project will provide cost-sharing to landowners enrolling in WDFW's Voluntary Screen Compliance Program through the Columbia Conservation District which has taken the lead in recruiting landowners into this program as part of the overall Walla Walla Basin planning effort goal of securing an HCP through NMFS and USFWS. Expectation is that all screen diversions and fish barriers must be in compliance to meet the goal. The project will include assessments of current diversion conditions, identifying required upgrades, and installation of 30 screens.

Project Ref	Grantee	Project Name	State
01-1229-2002	WA IAC	Mid-Trap Creek	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	16-APR-02-30-MAY-05	Salmon Habitat Protection and Restoration	$0	$102,612	Washington Coastal

Project Description

This project will make in-stream improvements to restore an important biological process of spawning habitat in this section of the stream. This project will place coniferous LWD to improve stream structure, food availability, and stabilize spawning areas. This project will be complementary to the Upper Trap Creek project funded by the SRFB and completed in 2001. That project restored 1.2 miles of stream, and abandoned the road adjacent to the upper stream. This project will greatly benefit from the completion of the upper section. The road on Trap Creek for about 11 miles is now closed; this road was responsible for delivering large amounts of sedimentation to the stream.

Project Ref	Grantee	Project Name	State
01-1231-2002	WA IAC	Green Creek	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	16-APR-02-30-MAY-05	Salmon Habitat Protection and Restoration	$177,010	$0	Washington Coastal

Project Description

This project will correct two blocking culverts and make associated in-stream improvements related to the culvert blockages and stream conditions. Completed project will again allow access to the important biological process of spawning and rearing. These two culverts are blocking about 3.1 miles of spawning and rearing habitat. Also, this project will enhance about another 850 feet of stream below the culverts.

Project Ref	Grantee	Project Name	State
01-1232-2002	WA IAC	Goodman Road Erosion Control	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-02-02-NOV-02	Salmon Habitat Protection and Restoration	$90,000	$0	Puget Sound

Project Description

The project consists of culvert replacement, ditching and fill stabilization on the last two roads in the Goodman system. This project is designed to reduce the risk of road failure, erosion, unnatural rates of sediment delivery and their negative effects to the Sauk River and Dutch Creek.
A companion project, a downstream fish passage project located on the Mt. Loop Highway is currently in the design phase and is scheduled for replacement in 2002. This project will reconnect over 1/2 mile of isolated Coho and Steelhead habitat.

Project Ref	Grantee	Project Name	State
01-1233-2002	WA IAC	Asotin Creek Six-Year Seed Program	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	22-APR-02-31-MAR-06	Salmon Habitat Protection and Restoration	$136,225	$0	Lower Snake

Project Description

This program is directed at reducing erosion on 935 acres of cropland located upslope of prime spawning and rearing habitat. Sedimentation can be reduced by 93% on continuous crop areas. Participants are also enrolled in other projects to reduce erosion and cumulative benefits of terraces, pasture/hay land planting and sediment basins and a large portion of farm ground enrolled in the CREP, and would improve water quality immediately above prioritized spawning & rearing habitat. This is a 27% cost-share from funding source.

Project Ref	Grantee	Project Name	State
01-1235-2002	WA IAC	Eld Inlet/McClane Creek Habitat A & R	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-APR-02-01-APR-05	Salmon Habitat Protection and Restoration	$224,701	$0	Puget Sound

Project Description

This project will protect in perpetuity (through fee-simple and conservation easement) a highly functional marine nearshore, estuarine, and saltmarsh wetland complex and enhances the riparian zone and upland of an adjacent perennial stream to improve fish access to off-channel rearing habitat. The protected and restored habitat will support all adult and juvenile life history stages for chum, coho, sea-run cutthroat, and steelhead salmon; providing an undisturbed site for resting, protection from predators, salinity transition, and feeding.

Project Ref	Grantee	Project Name	State
01-1237-2002	WA IAC	Sherwood Creek Fish Passage	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-APR-02-30-JUN-06	Salmon Habitat Protection and Restoration	$821,600	$0	Puget Sound

Project Description

This project will replace a salmonid passage barrier on the main stem of Sherwood Creek (WRIA 14.0094) with a bridge design that will allow for migration of salmonids at all life stages. Sherwood Crk enters Case Inlet near Allyn in Mason Co. Currently, two 5' diameter culverts flow under a Navy Shipyard railroad track at ~RKM 10.4. Each culvert is classified as a fish passage barrier using WDFW criteria. Although some adult Chinook, coho, and steelhead get upstream during certain flows, the culverts are significant blockages to juveniles, chum, resident and sea-run cutthroat.

Project Ref	Grantee	Project Name	State
01-1238-2002	WA IAC	Ahtanum Creek Fish Screens	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-APR-02-30-JUN-06	Salmon Habitat Protection and Restoration	$129,270	$0	Yakima

Project Description

This project will design, fabricate, & install 8 fish screens in 10 miles of the upper basin. Head gates & grade control structures will be installed on 2 larger diversions, & 3 sites will be consolidated into one diversion. NYCD will solicit participation from 2 landowners to pipe the irrigation ditches, consolidate diversions, & leave conveyance losses in the creek to aid in-stream flows.

Project Ref	Grantee	Project Name	State
01-1239-2002	WA IAC	Salazar Culvert Replacement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-APR-02-31-DEC-03	Salmon Habitat Protection and Restoration	$94,469	$0	Puget Sound

Project Description

This project, located at approximately River Mile 2.6, entails the replacement of a set of culverts in Woodland Creek, which drains into Henderson Inlet. The double culverts are partial barriers that do not satisfy the WDFW fish passage criteria. Their structural integrity is compromised and will eventually become total blockages. This project replaces the culverts with a bridge that will allow unimpeded fish passage for salmonids at all life stages.

Project Ref	Grantee	Project Name	State
01-1244-2002	WA IAC	Perry Tributary Fish Passage Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-31-DEC-05	Salmon Habitat Protection and Restoration	$150,000	$0	Puget Sound

Project Description

This project will complete 3 fish passage projects on an unamed tributary to Perry Creek less than 2 km upstream of Mud Bay. Chum, Coho, and Cutthroat Trout utilize the unnamed tributary up to a private road double culvert fish passage barrier perched 0.90m and 1.70m. Main stem Perry Creek (WRIA 14.0001) flows for nearly 7km with an impassable natural falls approximately 3km upstream of Mud Bay in Thurston Co.

Project Ref	Grantee	Project Name	State
01-1247-2002	WA IAC	Gosnell Creek Culvert & Riparian Restora	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-31-DEC-03	Salmon Habitat Protection and Restoration	$123,770	$0	Puget Sound

Project Description

Gosnell Creek (14.0031) is a multiple salmonid species stream that offers spawning and rearing habitat to Coho, Chum, Steelhead and resident and anadromous trout. Gosnell Creek is a low gradient stream approximately ten miles in length that flows into Lake Isabella in Mason County, WA. While conducting the WRIA 14 Fish Passage Inventory SPSSEG staff identified a barrier culvert on Bolling Road at approximately river mile five on Gosnell Creek. The culverts constricted the stream flow causing flooding, high velocities and downstream bank erosion while impeding adult and juvenile salmonid migration. The culverts also limited downstream transport of sediment and LWD.
This project replaced the two culverts on Bolling Rd. with a forty foot span pre-fabricated bridge; restoring natural stream function and migration for local salmonid stocks. Flooding of Bolling Road and the threat of road failure has also been significantly reduced.

Project Ref	Grantee	Project Name	State
01-1254-2002	WA IAC	Lmmuma Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	20-MAY-02-01-JUN-05	Salmon Habitat Protection and Restoration	$31,903	$0	Yakima

Project Description

The Northwest Services Academy is restoring salmonid habitat by installing 2 miles of cattle exclusion fence, 1 mile of temporary electric fence, removing noxious & exotic weeds, planting extensive native vegetation, & placing rootwads in strategic locations. Most of the upper watershed is protected in the Yakima Military Training Center.

Project Ref	Grantee	Project Name	State
01-1256-2002	WA IAC	Cowiche Creek Barrier Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-NOV-05	Salmon Habitat Protection and Restoration	$81,000	$0	Yakima

Project Description

This project will remove fish barriers associated with two irrigation diversions on Cowiche Creek. Grade control structures will be engineered & installed in conjunction with the barrier removal to stabilize the streambed. No other unnatural barriers are known, therefore removing these two diversions, along with one upstream diversion, will allow anadromous access into the upper SF Cowiche watershed.

Project Ref	Grantee	Project Name	State
01-1263-2002	WA IAC	North Fork Chinook: Canyon Creek Restore	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	14-MAY-02-31-MAY-06	Salmon Habitat Protection and Restoration	$0	$689,024	Puget Sound

Project Description

The project will acquire and restore 81.5 acres of Spring Chinook spawning, holding and rearing habitat at the confluence of Canyon Creek and the North Fork Nooksack. One-thousand feet of property on both sides of the creek will be acquired, 10 permanent structures will be removed and the building sites restored, 20 acres of riparian habitat will be restored and a partial fish passage barrier will be corrected.

Project Ref	Grantee	Project Name	State
01-1268-2002	WA IAC	South Forks Riparian	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	22-APR-02-31-MAY-06	Salmon Habitat Protection and Restoration	$664,065	$0	Puget Sound

Project Description

The project will acquire 144 acres of floodplain and associated uplands along the South Fork Nooksack and restore 130 acres of riparian habitat. The project also includes 235 acres of riparian forest in the project match to be perpetually protected as salmon habitat for a total of project size of 379 acres. The acquisition properties are either adjacent to or form a continous corridor linking previously conserved salmon habitat properties along the South Fork. This project will add 10,600 linear feet of protected river frontage.

Project Ref	Grantee	Project Name	State
01-1269-2002	WA IAC	Naches River Water Treat. Plant Screen	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-APR-02-31-JUL-03	Salmon Habitat Protection and Restoration	$300,000	$0	Yakima

Project Description

The City's diversion supplies water to its water treatment plant and currently does not achieve fish screening protection. This project will provide immediate fish screening protection, instream flows will be enhanced, general water quality improved, & impacts to fish from current maintenance requirements eliminated. Enhancement of bank habitat near the intake is also included. A significant threat to listed steelhead & bull trout & critically depressed coho & spring chinook exists under the status quo.

Project Ref	Grantee	Project Name	State
01-1272-2002	WA IAC	Dogfish Creek Estuary Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-01-31-MAR-06	Salmon Habitat Protection and Restoration	$0	$450,439	Puget Sound

Project Description

This project will restore 1,200' of estuarine shoreline & 13 ac of adjacent upland habitat. It complements a 2nd Round SRFB project removing a culvert and placing bridge to improve flushing of a 4+ ac estuary. It is the site of a future Salmon Park & planned Environmental Learning Center. The project will prevent development of a shopping center/office complex, restore native conifers & complex habitat structure to the shoreline, & restore the stream that crosses the property. The public will access the property to learn about habitat restoration, & observe fish and wildlife.

Project Ref	Grantee	Project Name	State
01-1281-2002	WA IAC	Sinclair Inlet North Shore Estuary Res.	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-APR-02-31-DEC-05	Salmon Habitat Protection and Restoration	$318,307	$0	Puget Sound

Project Description

This project restores 1,500 feet of aquatic habitat to pre-1942 conditions along the northwest shore of Sinclair Inlet and increase the productive area of existing estuary by 1.7 acres. Sinclair Inlet, along with its shoreline and estuary, is a major passage way and nursery for Chinook, coho, chum, steelhead salmon, and searun cutthroat trout entering and leaving Gorst Creek. Several miles of this shoreline have been hardened with riprap to accommodate SR 16 and PSNS railroad. The project includes two (2) phases which restores 1,820 feet of shoreline and 4.2 acres of estuary. This project completes Phase 1. Phase 2 will be the subject of future grant requests.

Project Ref	Grantee	Project Name	State
01-1285-2002	WA IAC	Liberty Bay Nearshore Habitat Eval.	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-04-15-JUN-06	Salmon Habitat Protection and Restoration	$0	$43,030	Puget Sound

Project Description

This project will reduce adverse effects of watershed development by integrating nearshore habitat restoration, public education, water quality and benthic invertebrate monitoring, and encourage community involvement through project-based learning opportunities. Development of a GIS will aid in monitoring and tracking long term remediation efforts throughout the bay. Native plant restoration along 7,500 linear foot will educate local residents to the benefits of natural shoreline protection and nearshore ecosystem conservation in a highly visible program with strong community support.

Project Ref	Grantee	Project Name	State
01-1290-2002	WA IAC	Qwuloolt Estuary	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	29-MAY-02-31-OCT-02	Salmon Habitat Protection and Restoration	$0	$850,000	Puget Sound

Project Description

The project will acquire a critical and a strategically located 34 acre parcel central to initiation of an outstanding intertidal wetland project in the lower Snohomish River. This restoration restores a site of 360+ acres to intertidal estuarine conditions in the City of Marysville. Restoration opens this area and the tributary creeks of Allen and Wood to access by threatened salmon species while recovering rare intertidal estuarine habitat into the system.

Project Ref	Grantee	Project Name	State
01-1291-2002	WA IAC	Green Crow Shoreline Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	31-MAY-02-31-AUG-02	Salmon Habitat Protection and Restoration	$170,691	$0	Puget Sound

Project Description

This project will acquire in fee approximately 52 acres, with approximately 2500 feet of river frontage. These two parcels, one 32 acres and one 20 acres, are adjacent to 73 acres of Land Trust ownership, and acquiring them will expand this block of permanently protected habitat. Both parcels are undeveloped and have excellent shoreline habitat values. The larger parcel contains 26 acres of forested upland, including 16 acres of merchantable timber. The 20-acre parcel is in the floodplain, although it also contains some large timber.

Project Ref	Grantee	Project Name	State
01-1292-2002	WA IAC	Snoqualmie River Focus Area 7 Acquisitio	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-02-31-OCT-05	Salmon Habitat Protection and Restoration	$341,000	$0	Puget Sound

Project Description

This project will acquire 52 acres fee simple acquisition and an additional 47 acres are targeted for conservation easement acquisition. The proposal also includes funding to begin restoration of these areas through planting native species, such as cottonweed, alder, red osier dogwood, Sitka spruce, and western red cedar.

Project Ref	Grantee	Project Name	State
01-1295-2002	WA IAC	Nooksack Roads Erosion Control	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	20-MAY-02-31-MAY-06	Salmon Habitat Protection and Restoration	$174,200	$0	Puget Sound

Project Description

The project is to minimize erosion impacts on 10.8 miles of roads in the upper Nooksack river. The project will eliminate two fish passage blockages, reduce risk of road failure, erosion and sediment production, and its potential impacts on fish habitat and water quality. This is the last USFS road treatment project to be completed on major roads in the NF and SF Nooksack.

Project Ref	Grantee	Project Name	State
01-1296-2002	WA IAC	Ohop Creek Salmon Habitat Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	31-MAY-02-30-SEP-02	Salmon Habitat Protection and Restoration	$85,472	$0	Puget Sound

Project Description

This project will acquire 56.2 acres to protect it from development and to make the land available without reserve to restore the wetlands and salmon habitat on the property, which will benefit chinook, coho, pink, steelhead and cutthroat trout.

Project Ref	Grantee	Project Name	State
01-1298-2002	WA IAC	Snohomish River Estuary Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-02-30-JUN-04	Salmon Habitat Protection and Restoration	$645,732	$0	Puget Sound

Project Description

This project will acquire 169.37 acres of diked land in the Snohomish River estuary for the purpose of restoring an estuarine tidal marsh. The Snohomish Basin Salmonid Recovery Technical Committee has identified artificial barriers to access (e.g. dikes, tide-gates, pump-station) and the loss of wetlands within estuarine habitats as factors contributing to the decline of chinook salmon (1999). Haas et al. (2001) estimated that the Snohomish estuary has lost approximately eight-five percent of its tidal marsh and at least 50 percent of its smolt production capacity for Chinook since the late 19th century.

Project Ref	Grantee	Project Name	State
01-1305-2002	WA IAC	Final Phase Chumstick Culvert Replace.	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-02-01-NOV-06	Salmon Habitat Protection and Restoration	$273,100	$0	Upper Columbia

Project Description

This project will improve salmonid migration throughout the Chumstick drainage. In addition to replacing the 10 identified culverts, the sites will be enhanced by improving in-stream habitat and riparian vegetation. Two other projects are presently being implemented within the watershed. They are a point source pollution project, funded by WDOE and the replacement of eight (8) culverts, funded (in part) by the Bonneville Power Administration. A third project is on hold, but would replace a partial barrier culvert on North Road.

Project Ref	Grantee	Project Name	State
01-1307-2002	WA IAC	North Meander Slough Reconnection	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-SEP-02-31-MAR-06	Salmon Habitat Protection and Restoration	$0	$679,000	Puget Sound

Project Description

This project will reconnect the slough, enhance and restore off-channel rearing habitat for juvenile salmonids. It involves removal of a plug dike, excavation of deposited material, channel reconfiguration, wood placement, and riparian planting. Reconnecting the slough to the main channel would restore over 3/4 mile of off-channel habitat. It's estimated that the reconnection would create 12 acres of off-channel rearing, providing rearing for approximately 4,200 pre-smolt chinook/year.

Project Ref	Grantee	Project Name	State
01-1308-2002	WA IAC	Jorgenson Slough & Rock Creek Barriers	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-APR-02-31-DEC-04	Salmon Habitat Protection and Restoration	$365,496	$0	Puget Sound

Project Description

The projects are a culvert replacement at Jorgensen Slough (Church Ck) and a culvert modification at Rock Creek. The Church Creek project will restore 16,237 linear meters of habitat (virtually 100% of the stream) and the Rock Creek project 5,158 linear meters (about 75% of stream).

Project Ref	Grantee	Project Name	State
01-1312-2002	WA IAC	Tarboo Creek Habitat Restoration Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-31-AUG-04	Salmon Habitat Protection and Restoration	$0	$251,510	Puget Sound

Project Description

This project will replace two undersized culverts on Tarboo Creek with 12-foot and 15-foot wide flat, bottom, oval steel or aluminum plate culverts. Both of these culverts have been determined by the Washington Department of Fish and Wildlife to be total blockages to salmonids. Additionally, four log controls will be placed on the downstream end of the upper culvert. This project will open 5.2 miles of stream and over 28.3 acres of habitat to Chum, Coho, Cutthroat Trout and Steelhead.

Project Ref	Grantee	Project Name	State
01-1313-2002	WA IAC	Marblegate Slough Floodplain & Passage	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-APR-02-01-JUN-06	Salmon Habitat Protection and Restoration	$0	$47,500	Puget Sound

Project Description

The project will remove a rock crossing and two culverts, and install a bridge enabling salmon to use 1,770 linear feet of isolated off channel habitat for winter rearing and 750 square meters for spawning. The plan involves placing a 30 to 40 foot flatcar bridge across the slough.

Project Ref	Grantee	Project Name	State
01-1316-2002	WA IAC	Trout Creek Fish Passage Improve- Plan B	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-MAY-02-31-OCT-05	Salmon Habitat Protection and Restoration	$190,850	$0	Middle Columbia

Project Description

The project will eliminate passage obstruction & protect quality habitat near a Yakama Nation owned road in the upper Trout-Bear Cr. watershed . Installation of 2 bottomless arch culverts will make 8.5 miles of quality spawning & rearing habitats available to "threatened" steelhead & resident fish. Currently, spawning distribution is relegated to the lower 3 miles.

Project Ref	Grantee	Project Name	State
01-1323-2002	WA IAC	North Fork Nooksack Instream 2002	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-02-30-JUN-06	Salmon Habitat Protection and Restoration	$180,000	$0	Puget Sound

Project Description

The project is to improve spawning, rearing and holding habitat by placing LWD complexes along a 3-mile reach of the NF. The work is designed to increase channel roughness and complexity at natural accumulation points and increase LWD resident time. The wood accumulations will dissipate water energy during high water by allowing it to escape the channel and inundate the floodplain, thus increasing connectivity by way of side channels.

Project Ref	Grantee	Project Name	State
01-1325-2002	WA IAC	Lower Finney Creek Instream Enhancement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-APR-02-01-JUN-06	Salmon Habitat Protection and Restoration	$183,800	$0	Puget Sound

Project Description

The project is to place LWD in a 1.5 mile reach, utilizing 300-400 pieces of wood in 30-40 complexes to reinforce & resemble natural accumulations of debris. The placements will allow the channel to decrease its width to depth ratio, & accelerate natural pool development & stream bank formation. The net effect will reduce stream temperature & improve rearing/holding habitat.

Project Ref	Grantee	Project Name	State
01-1329-2002	WA IAC	Acme/Saxon Ph 1 Instream Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-02-31-MAY-06	Salmon Habitat Protection and Restoration	$449,029	$0	Puget Sound

Project Description

This proposal is for instream restoration projects identified in part by data collected during the Acme-Saxon Reach Restoration Assessment (SRFB 2nd Rd. 2000). These include fish passage improvements, bank hardening modifications and small-scale LWD placements. Specific treatments will be based on prescriptions developed from extensive stream and biological data currently being analyzed. Following data analysis and final project siting a local stakeholder group will prioritize treatments.

Project Ref	Grantee	Project Name	State
01-1333-2002	WA IAC	June Creek Culvert Replaceemt	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-02-01-OCT-04	Salmon Habitat Protection and Restoration	$158,000	$0	Puget Sound

Project Description

This project will replace the existing steel elliptical culvert with an open bottom, concrete box culvert that will allow salmonid passage. The new culvert will be implemented following the design criteria outlined in the "WDFW Passage Design at Road Culverts Manual". The pristine habitat upstream of this pipe, approximately 1 kilometer of creek length, is within Mt. Rainier National Park and is protected from human development.

Project Ref	Grantee	Project Name	State
00-1053-2000	WA IAC	Mosman Shoreline Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-30-SEP-00	Salmon Habitat Protection and Restoration	$0	$80,000	Puget Sound

Project Description

The acquisition will permanently protect a 35 acre section of the mainstem Nisqually River in WRIA 11. The property is undeveloped woodland with excellent riparian habitat values. If purchased, the land will remain undeveloped in perpetuity, which will facilitate improvement of natural salmon production in the mainstem Nisqually. This project is part of a larger salmon recovery effort to permanently protect the mainstem Nisqually shoreline and riparian habitat, a distance of approximately 42 river miles. Acquisition of this critical habitat is well underway in the Nisqually basin, with over 60% of the river permanently protected. This project will primarily benefit chinook salmon and steelhead, both species that depend on the mainstem for spawning and rearing. Project supporters include the Nisqually River Council and the Nisqually Indian Tribe.

Project Ref	Grantee	Project Name	State
00-1061-2000	WA IAC	Bear Creek Waterways, Reach A	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-31-AUG-03	Salmon Habitat Protection and Restoration	$0	$150,000	Puget Sound

Project Description

SRFB funding will support the acquisition of 83 acres of high quality aquatic resource land in Bear Creek Basin, near Woodinville. The area contains large forested buffers, riverine wetlands, salmonid spawning areas, large beds of fresh water mussels, and extensive forested uplands. The property is located near the middle of the ecologically important Bear Creek stream reach. Salmonid species benefiting from this project include Chinook, coho, sockeye, steelhead, cutthroat, and kokanee. King County has been very successful working with property owners in this area, with over an 80% participation rate. This cooperative relationship has resulted in the purchase in fee of 120 acres, purchase of an additional 52 acres of conservation easements, and enrollment of over 200 acres in property tax reductions programs that retain conservation areas and rural land uses.

Project Ref	Grantee	Project Name	State
00-1068-2000	WA IAC	Indian George Creek Restoration, Phase 2	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$10,000	Puget Sound

Project Description

Indian George Creek flows into Quilcene Bay just south of the Big Quilcene River in Jefferson County. In October 1999, a crew funded by a DNR "Jobs for the Environment" grant rehabilitated the lower 460 feet of the creek by adding LWD, replacing a culvert, and reconnecting an estuary to tidal flow. This project will complete this effort by adding additional LWD to the stream channel and constructing three (3) log structures upstream to stabilize the channel. This project will benefit coho, steelhead, chum, and cutthroat that utilize the creek.

Project Ref	Grantee	Project Name	State
00-1070-2000	WA IAC	Big Quilcene River Colyott Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$50,860	Puget Sound

Project Description

Funding for this project will support salmon habitat enhancement on the Big Quilcene River in Jefferson County by stabilizing transient LWD and encouraging deposition along the toe of a severely eroded bluff that is an active sediment source. The project entails constructing 12 floating log groins, one (1) rock groin, and modifying three (3)existing rock groins to recruit LWD and sediment at the toe of the bluff. Targeted species are summer chum, Chinook, coho, steelhead, cutthroat. Partners include Wild Olympic Salmon, WDFW, and USFS.

Project Ref	Grantee	Project Name	State
00-1072-2000	WA IAC	Stewart Engineered Log Jam	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-01-SEP-04	Salmon Habitat Protection and Restoration	$0	$2,989	Puget Sound

Project Description

This project involves constructing 3 engineered logjams along 1500 feet of eroding streambank on the Deschutes River in Thurston County. The structures will be embedded deeply into the bank to increase channel complexity and provide temporary, limited protection of the streambank. The period of protection will allow for establishment of native conifers and shrubs within a buffer along the riparian corridor. Objectives of this project are to provide salmon habitat diversity to the Deschutes River system; reduce erosion and sedimentation degrading spawning gravels; and reestablish native vegetation along the riparian zone thereby reducing stream temperatures and stabilizing the river banks. The project will benefit cutthroat, coho and steelhead by improving the quality and quantity of spawning rearing and resting habitat. Project partners include the County Stream Team and the Washington Conservation Corps.

Project Ref	Grantee	Project Name	State
00-1073-2000	WA IAC	Elwha River Floodplain Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-01-JUN-05	Salmon Habitat Protection and Restoration	$0	$273,211	Puget Sound

Project Description

This project will enhance existing salmon habitat and restore the dominant physical processes in a portion of the Elwha River, in Clallam County. Physical restoration is necessary to improve the remaining natural habitats in the 4.9 miles of accessible river below Elwha Dam. Project elements include construction of engineered logjams in both mainstem and side-channel habitats to provide multi-species fish habitat; completion of previous habitat enhancement efforts in Boston Charlie Creek; and removal of soil deposits to reactivate a historic estuary distributary. This proposal builds upon past floodplain restoration efforts conducted since 1994.

Project Ref	Grantee	Project Name	State
00-1074-2000	WA IAC	Cedar River/Taylor Creek Confluence	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-01-MAR-04	Salmon Habitat Protection and Restoration	$0	$170,000	Puget Sound

Project Description

The Lower Cedar River watershed is located in southeastern King County and covers 66 square miles including 20 miles of river. It provides over half the fresh water inflow to Lake Washington, and supports one of the largest salmon populations in the state including sockeye, coho, steelhead, and ESA-listed chinook. This project will acquire seven acres of forested riparian floodplain on the Cedar River, including 1,000 feet of mainstream channel, nearly 1,300 feet of the lowermost reach, the mouth of Taylor Creek, and one of the largest remaining floodplain wetlands adjacent to the mainstream. This project complements related restoration projects that will alleviate historical flooding and improve habitat and water quality in Taylor Creek. This site was selected by the Cedar River Council in 1999 as a top priority for protection under the Cedar River Legacy program.

Project Ref	Grantee	Project Name	State
00-1075-2000	WA IAC	WF Chimacum Creek Restoration Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAR-00-01-OCT-02	Salmon Habitat Protection and Restoration	$0	$124,000	Puget Sound

Project Description

The project reconfigures and naturalizes a half mile of ditched stream channel on Chimacum Creek, near Port Townsend in Jefferson County. The project objective is long term improvement of overall stream conditions in the watershed, reducing sedimentation, increasing dissolved oxygen, and reducing nutrient loading. These improvements will assist summer chum spawning downstream while improving rearing and spawning habitat for coho, cutthroat and steelhead. Project elements include replacing a culvert with an inexpensive bridge; revegetating 15 acres of riparian zone to provide shade cover; and control of invasive weeds. The project will also excavate the stream bank; place LWD to create pools and riffles, deflect current and create back eddies; and create side channels to establish natural flow dynamics. Project partners include the Jefferson County Conservation District, Wild Olympic Salmon, Trout Unlimited and Chimacum Schools.

Project Ref	Grantee	Project Name	State
00-1076-2000	WA IAC	96th Street Oxbow Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-01-FEB-05	Salmon Habitat Protection and Restoration	$0	$62,896	Puget Sound

Project Description

The South Puget Sound Salmon Enhancement Group will reconnect an oxbow (and associated 23 acre wetland) to the mainstem of the Puyallup River, in Pierce County. The 96th Street Oxbow is located on the right bank of the Puyallup River near the intersection of Riverside Drive and McCutcheon Road. The oxbow is approximately four acres. It is perched 10 feet above summer flows to the river, and is choked with invasive vegetation. Currently, the oxbow provides no functions beneficial to fish. Improvements will include a new culvert and roughened channel to provide juvenile salmonids unrestricted access to the oxbow at all but the lowest summer flows. Invasive vegetation (Himalayan blackberry and reed canary grass) will be cleared and re-planted with native plant species. Juvenile coho, chinook, steelhead and cutthroat will directly benefit from the habitat that is made available by this project.

Project Ref	Grantee	Project Name	State
00-1077-2000	WA IAC	E. Chimacum Creek RM 1.2 - 2.3	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$89,200	Puget Sound

Project Description

This project will improve salmon habitat and water quality in a low-gradient, channelized, agricultural reach of East Chimacum Creek in Jefferson County. This reach has very low dissolved oxygen levels during summer due to clogging with reed canarygrass. In addition the riparian zone has little functional vegetation. Project elements include: removing reed canarygrass from the channel, re-meandering the channel where possible, excavating bank margin pools, anchoring LWD in the pools and channel, and planting native trees and shrubs in the riparian zone. The District will also install livestock exclusion fencing and off-stream livestock watering systems. Anticipated outcomes are higher dissolved oxygen levels; lower fecal coliform and stream temperature levels; and improved channel structure, fish habitat and riparian function. This project will benefit coho, steelhead, cutthroat, and summer chum. Project partners include private landowners, Wild Olympic Salmon, and North Olympic Salmon Coalition.

Project Ref	Grantee	Project Name	State
00-1078-2000	WA IAC	Sportsmans Club Oxbow Reconnection	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-31-DEC-05	Salmon Habitat Protection and Restoration	$0	$72,535	Puget Sound

Project Description

This project will reestablish fish access to an existing oxbow lake on the lower Puyallup River using a concrete culvert structure with an internal fish ladder. The fish passage structure will replace the existing barrier culvert that conveys water under the levee from the oxbow into the Puyallup River. The Puyallup Tribal Fisheries Site Restoration Catalog rated this project 3rd in priority for potential restoration sites on the lower Puyallup River. The Washington State Conservation Commission lists side channel habitat and flood plain connectivity (both of which will be addressed by this project) as limiting factors for the Puyallup River. The oxbow will provide over 18 acres of important off-channel rearing habitat for juvenile salmonids, including coho salmon, chinook salmon (a listed stock), steelhead, and sea-run cutthroat trout. The Sumner Sportsman's Association owns the property and is willing to cooperate. Other project partners include Pierce County, the South Puget Sound Salmon Enhancement Group, and the Puyallup Tribe.

Project Ref	Grantee	Project Name	State
OWEB 205-031	OWEB	U McKenzie River Aquatic Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$68,860	Willamette

Project Description

The purpose of this project is to restore bull trout and spring Chinook salmon spawning and rearing habitat in the main stem McKenzie River upstream of the Trail Bridge Reservoir. The project will restore large woody material to the one mile long restoration stream reach between the confluence of Kink Creek and Trail Bridge Reservoir. Fifty whole trees will be placed in the identified stream reach to restore flow deflection elements to the channel and allow for the deposition of spawning size substrates. OWEB funds would be used for contracted services (helicopter), administration and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 205-032	OWEB	Luckiamute Helicopter Wood Placement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	17-SEP-04-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$91,465	Willamette

Project Description

This project proposes to treat the highest priority stream reach of the main stem Luckiamute River with a placement of tree length conifers to boost in-stream winter and summer habitat complexity for native Steelhead and potentially Coho. The trees have been donated by the BLM as a result of an alpine meadow restoration on Bald Mountain and will be placed with a Chinook Helicopter in a series of 20 in-stream sites that extend over a 2.6 mile reach. OWEB funds would be used for personnel (project manager), helicopter move-in, contracted services, equipment and administration.

Project Ref	Grantee	Project Name	State
OWEB 205-034	OWEB	Scappoose Bay WS Priority Fish Passage Correction	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$174,572	Willamette

Project Description

This resubmitted application proposes to correct 6 high priority fish passage barriers to meet ODFW design guidelines for passage of juvenile and adult alimonies and flow capacity. The correction of these barriers will open approximately 8 miles of potential habitat identified as refugee in the Watershed Assessment. OWEB funds would be used for contracted services including design, permitting and construction, for 3 high priority barriers on private land, hire a Fish Passage Project Coordinator and provide administrative costs.

Project Ref	Grantee	Project Name	State
OWEB 205-036	OWEB	Pringle Cr Restoration at Loose Ends	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$12,865	Willamette

Project Description

This resubmitted project will reclaim some of the original floodplain along a 250 ft. reach by excavating along the east bank of Pringle Creek at 3 locations in order to create wide spots in the channel. These terraces will provide zones of slower water for fish during periods of high flow and allow for the establishment of riparian vegetation within areas that are frequently inundated. The widened areas near the stream and adjoining slopes will be planted with native riparian vegetation. OWEB funds would be used for contracted services, supplies/materials, production costs, administration and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 205-039	OWEB	Bylund/OR State Parks Willamette River Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$116,300	Willamette

Project Description

This project proposes to create a continuous 1.2 mile long riparian buffer along the Willamette River, including 3,000 feet of backwater slough for off channel, high water refuge totaling 46 acres, by restoring and enhancing floodplain function and fish and wildlife habitat. The project will provide additional riverfront property to Oregon State Parks Greenway and promote the concept of a “meander belt” along the Willamette River. A land exchange between the landowner and OSP will give OSP ownership of the riverfront property. OWEB funds would be used for contracted services and supplies and materials for construction of the stream stabilization structures.

Project Ref	Grantee	Project Name	State
OWEB 205-040	OWEB	Storm Water Management Demonstration Home	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$38,544	Willamette

Project Description

The Tiara Stormwater Management Demonstration Home is intended to demonstrate a range of methods for incorporating stormwater management into building and site designs. The project proposes an integrated catchment and filtration system including cisterns, permeable pavers, bioswale, drywell and a walk-on green roof. It will include education (signage, public tours and brochures) and monitoring components. OWEB funds would be used for contracted services, supplies/materials, production costs, equipment, monitoring and administration.

Project Ref	Grantee	Project Name	State
OWEB 205-046	OWEB	Warner Wetlands Pump Screen	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$69,660	Oregon Closed Basins

Project Description

This project in the Warner Basin adjacent to Hart Mountain and Hart Lake would improve the pumping capabilities to move water from Hart Lake to a 1200 acre wetland managed by the Bureau of Land Management. In addition, it would provide fish screening to protect the ESA listed Warner Sucker fish.

Project Ref	Grantee	Project Name	State
OWEB 205-047	OWEB	Phase 2 Central Canal Upgrade/Neal Cr Inverted Siphon	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$300,000	Middle Columbia

Project Description

This project is the second phase of a three phase project to construct 4.3 miles of pipeline that will eliminate chronic sediment discharges and restore fish passage for listed steelhead in Neal Creek, a tributary of the Hood River. This phase will construct one half mile of pipeline.

Project Ref	Grantee	Project Name	State
OWEB 205-050	OWEB	Hood-Deschutes Basin Direct Seed / No-till	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$84,949	Middle Columbia

Project Description

This project would continue to support landowner conversions to direct seed no-till systems in the Fifteenmile Creek subwatershed in Wasco County. Seven farms and 16 tracts of land would receive assistance. This practice maintains crop residue over the winter and reduces overland flow and erosion and sedimentation.

Project Ref	Grantee	Project Name	State
OWEB 205-053	OWEB	Tumalo Cr Restoration: Phases III & IV	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$180,775	Deschutes

Project Description

This project would stabilize 2.2 miles of Tumalo Creek where it burned in 1979. The loss of stabilizing vegetation has resulted in severe channel erosion, instability, channel incision and loss of fisheries habitat. The first .6 mile of this reach are currently undergoing restoration.

Project Ref	Grantee	Project Name	State
OWEB 205-055	OWEB	L John Day Direct Seed Initiative	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$109,143	John Day

Project Description

This project would provide cost-share incentives for nine tracts totaling 7,730 acres to convert to direct seed no-till wheat farm practices in Gilliam County. Annual soil loss within the lower John Day watershed is 4.10 tons per acre per year. Direct seed no-till has proven to reduce this erosion by 90%.

Project Ref	Grantee	Project Name	State
OWEB 201-184	OWEB	Dinsdale Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	21-MAR-03-31-MAY-05	Salmon Habitat Protection and Restoration	$0	$94,246	Willamette

Project Description

This project will include reconnection of a historic meander channel, restoration of approximately 30 acres of off-channel wetlands, and replanting 12 acres of riparian buffer along the Tualatin River. The project will benefit native fish by improving connectivity between the off-channel wetland and river. Other watershed benefits will include reduction in sediment and nutrient loading from surface runoff and improved ground water recharge. Finally, a diversity of wildlife will benefit from restored habitat.

Project Ref	Grantee	Project Name	State
OWEB 201-186	OWEB	Hammer Creek Basin Culvert Replacement & Stream Rest.	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	13-JUL-01-06-DEC-01	Salmon Habitat Protection and Restoration	$0	$68,036	Willamette

Project Description

Improvements will be made to the culvert crossings on Nichols Road at milepost 7.12 and Horton Road at milepost .01 by replacing the existing undersized culverts with oversized arch culverts and restoring the streambed in the area of the culvert. The project area will be replanted with native or other suitable vegetation to enhance the restoration of this area. This will provide fish passage upstream to 2440 acres of excellent habitat.

Project Ref	Grantee	Project Name	State
OWEB 201-193	OWEB	Alder Springs riparian & Upland Restoration and Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-AUG-01-30-DEC-03	Salmon Habitat Protection and Restoration	$0	$14,770	Deschutes

Project Description

This will implement activities that will improve water quality and protect bull trout rearing habitat within the Squaw Creek subwatershed. This project site is within a "semiprimitive, nonmotorized" management area and the Metolius Mule Deer Winter Range. Project goals are to 1) protect water quality by reducing stream sedimentation, 2) protect important redband and bull trout habitat by enhancing riparian vegetation, 3) prevent the spread of noxious weeds, and 4) restore upland vegetation.

Project Ref	Grantee	Project Name	State
OWEB 201-196	OWEB	Wood River Large Woody Debris Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	08-OCT-01-19-AUG-02	Salmon Habitat Protection and Restoration	$0	$10,808	Klamath

Project Description

This project proposes to improve adult and juvenile redband trout habitat by creating habitat, stream channel roughness, and instream structure with the placement of large woody debris. This project is part of an ongoing effort on the part of private landowners and ODFW to improve redband trout numbers and habitat on private lands in this watershed.

Project Ref	Grantee	Project Name	State
OWEB 201-200	OWEB	Sprague River Water Quality and Water Conservation Proj.	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$3,230	Klamath

Project Description

This project will collect irrigation water from a hayfield and redistribute it over an adjacent pasture. Currently irrigation tail water drains through a washed out culvert directly into 303 (d) listed Sprague River, potentially contributing to increases in water temperature, nutrients, and sediment. The project will install a new culvert with headgate, and pump and pipeline for recycling.

Project Ref	Grantee	Project Name	State
OWEB 201-202	OWEB	Sprague River Ranch Irrigation Water Recovery System	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	13-AUG-01-30-DEC-03	Salmon Habitat Protection and Restoration	$0	$14,280	Klamath

Project Description

This project will provide a system to recycle irrigation water from 200 acres of pasture. The system includes a toe ditch, pump, drain tiles, diking and culverts. The system will reduce nutrient loading, sedimentation and temperature in the water quality-impaired Sprague River.

Project Ref	Grantee	Project Name	State
OWEB 201-204	OWEB	Crooked River Road Mitigation 2001	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	06-JUL-01-22-JUL-03	Salmon Habitat Protection and Restoration	$0	$460	Deschutes

Project Description

This project is to improve stream conditions and functions by reducing stream sedimentation from existing forest roads by moving roads away from streams and improve fish passage conditions by removing barriers to fish passage. This proposal uses a "block grant" concept to take advantage of opportunities to improve watershed conditions concurrent with other forest management operations. This block grant approach is modeled after a similar, successful program used in Northeastern Oregon.

Project Ref	Grantee	Project Name	State
OWEB 201-206	OWEB	Mill Creek In-Stream and Riparian Corridor Enhancement Proj.	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	10-JUL-01-29-JUL-02	Salmon Habitat Protection and Restoration	$0	$21,929	Deschutes

Project Description

The Mill Creek In-Stream and Riparian Corridor Enhancement Project will improve conditions for fish, wildlife, and the landowner by: installing instream habitat improvement structures, improving native upland and riparian vegetation, protecting the riparian area from livestock, developing off channel watering, and enhancing upland forage. In addition, the project helps move the entire length of Mill Creek towards an improved condition in terms of channel sinuosity and stability, water quality, fish habitat and riparian vegetation by connecting four previous habitat improvement sites with a compatible restoration project.

Project Ref	Grantee	Project Name	State
OWEB 201-208	OWEB	Crooked River and Shotgun/Pine Creek Improvement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	09-JUL-01-22-JUL-02	Salmon Habitat Protection and Restoration	$0	$14,257	Deschutes

Project Description

The Crooked River Stream corridor improvement project implements some of the components of a Conservation Plan. The Conservation Plan was developed to meet the following project objectives: continuation and enhancement of upward trends in riparian and stream channel condition on mainstem Crooked River; improve connections between higher quality redband trout habitats through improved instream conditions (water quality, quantity, and habitat complexity) in the mainstem Crooked River; improve riparian vegetation conditions; improve upland vegetation conditions; improve stream bank stability and protect existing irrigation diversion/pumphouse; and improve sustainability of property for livestock production as well as other values including fish and wildlife habitat and water quality.

Project Ref	Grantee	Project Name	State
OWEB 201-209	OWEB	Butler Canyon Rock Quarry	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	11-JUL-01-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$6,680	Deschutes

Project Description

Project will restore the riparian corridor and upland area through an abandoned rock pit. Access road and culvert will be removed, bank shaped, and trees and shrubs planted in the riparian corridor. Two acres of adjoining upland will planted with a grass/forb mix commonly used by ODFW for wildlife habitat. Project will mitigate flood hazards and protect a wetland as well as infrastructure downstream.

Project Ref	Grantee	Project Name	State
01-1336-2002	WA IAC	Leach Creek Culvert Replacement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	29-APR-02-01-APR-06	Salmon Habitat Protection and Restoration	$818,000	$0	Puget Sound

Project Description

The Cities of University Place and Lakewood propose to design and construct a fish friendly replacement of the Leach Creek culvert under Bridgeport Way. The projectr includes survey, design, permitting, and construction and traffic control. The project will begin design in the spring of 2002 with construction in the summer of 2003.

Project Ref	Grantee	Project Name	State
01-1341-2002	WA IAC	Hart Slough Easements	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-02-01-MAY-06	Salmon Habitat Protection and Restoration	$501,000	$0	Puget Sound

Project Description

This project will permanently protect, via conservation easements, 474 acres of riparian and river slough habitat and associated wetlands. Currently, approximately 254 acres exist in riparian and slough/wetland habitat. Landowners have agreed to convert at least 100 acres of agricultural land into riparian habitat, for a total of 354 acres. The remaining 120 acres of farmland will continue in agricultural production, subject to recommendations of the Hart Slough restoration feasibility study (SRFB 99-1645).

Project Ref	Grantee	Project Name	State
01-1346-2002	WA IAC	Salmon and Snow Creek Estuary	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-01-01-SEP-06	Salmon Habitat Protection and Restoration	$0	$400,000	Puget Sound

Project Description

This acquisition will protect 4-8 of 33 targeted parcels. This acquisition will protect 3+ miles of stream and 300 acres of estuarine and riparian habitat for summer chum, other salmon species and wildlife. This fits with the Hood Canal Coordinating Council's Strategy for Salmon Recovery, which highlights estuary and nearshore habitats as Tier I for acquisition. Critical habitat acquisition is #1 on its sequenced project lists for both Salmon and Snow Creek.

Project Ref	Grantee	Project Name	State
01-1353-2002	WA IAC	Logging Camp Canyon - Phase 1	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-02-31-MAR-06	Salmon Habitat Protection and Restoration	$422,875	$0	Middle Columbia

Project Description

This project (phase I) proposes to purchase 293 acres of land critical to the long-term protection of steelhead and coho spawning & rearing habitat. This proposal complements other activities currently underway including a county-sponsored Logging Camp Canyon Passage Improvement Grant (SRFB - #99-1939R), and two (2) Yakama Nation/BPA projects (riparian planting and fish/stream monitoring). The private landowner is donating land as part of the proposal.

Project Ref	Grantee	Project Name	State
01-1357-2002	WA IAC	Sauk Sediment Reduction	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-JUN-02-31-DEC-06	Salmon Habitat Protection and Restoration	$321,895	$0	Puget Sound

Project Description

This project will decommission or upgrade approximately 25 miles of Forest Service roads in the Sauk River basin. High risk segments will be treated by removing or upgrading stream crossings, adding and upgrading drainage structures, and stabilizing or removing road fills on high hazard roads.

Project Ref	Grantee	Project Name	State
01-1358-2002	WA IAC	Finney Roads Ph II Sediment Reduction	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-02-31-DEC-05	Salmon Habitat Protection and Restoration	$300,000	$0	Puget Sound

Project Description

This project consists of culvert replacement, ditching and fill stabilization and is the last in a series of projects that addresses 23 miles of road segments, by completing treatment of high-risk road segments and drainage deficiencies for the upper 60% of the watershed. The project reduces the risk of road failures, unnatural rates of sediment delivery and their negative effects to Finney & Cumberland Creeks and the Skagit River.

Project Ref	Grantee	Project Name	State
01-1362-2002	WA IAC	Smith Island/Union Slough Estuarine	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-APR-02-16-MAR-06	Salmon Habitat Protection and Restoration	$157,500	$0	Puget Sound

Project Description

This project proposes to breach an existing dike, in three (3) locations, along Union Slough. This will allow approximately 100 acres of existing, non-native fresh water wetland area to return to its historical role as inter-tidal estuarine habitat. The portion of this project to which the requested funding will be applied is a US Army Corps 1135 Project.

Project Ref	Grantee	Project Name	State
01-1364-2002	WA IAC	Middle Skagit Habitat Protection	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-02-31-DEC-05	Salmon Habitat Protection and Restoration	$998,750	$0	Puget Sound

Project Description

This proposal is a product of the Middle Skagit Inventory and Assessment, funded by SRFB in 2001. A ranked list of properties has been developed and we now are proposing to acquire from the willing sellers, thus resulting in a systematic and permanent protection of the highest-quality chinook and coho rearing and spawning habitat. Properties considered for acquisition were chosen for their quality and quantity of functioning fish habitat, their adjacency to existing protected areas and the threat of increased development.

Project Ref	Grantee	Project Name	State
01-1373-2002	WA IAC	Phase 1: Dungeness Estuary Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-02-31-MAR-06	Salmon Habitat Protection and Restoration	$0	$1,183,778	Puget Sound

Project Description

The project will acquire 22 acres and restore ecological processes to the estuary and lower Dungeness River by removing 3,400 foot of dike, and revegetating. A functional floodplain of 150 acres at the mouth will reduce channel velocities, store sediment, and allow for channel meander. Acquiring and restoring the lower Dungeness is critical before the upstream bridge and dike can be set back. The project will benefit spawning and rearing of summer chum, pink, Chinook, bull trout, other Dungeness stocks and shellfish, migrating shorebirds and waterfowl, eelgrass and other estuarine resources.

Project Ref	Grantee	Project Name	State
01-1392-2002	WA IAC	Verdoes Reach Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-02-01-JUN-06	Salmon Habitat Protection and Restoration	$104,833	$0	Puget Sound

Project Description

The project involves floodplain restoration through fill removal, installation of LWD, reed canarygrass control, and riparian tree and shrub planting. LWD will be installed to promote natural meandering and pool development. The site is now protected under a Wetland Reserve Program conservation easement.

Project Ref	Grantee	Project Name	State
01-1403-2002	WA IAC	Siebert Ecosystem Habitat Protection	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	06-MAY-02-30-APR-07	Salmon Habitat Protection and Restoration	$765,355	$0	Puget Sound

Project Description

This project will protect 2 miles of contiguous freshwater and estuarine salmon habitat using a combination of a 33-acre property acquisition and conservation easements. Acquiring the property will eliminate the possibility of development and will provide Siebert Creek the highest level of protection. The project reach, extending from the mouth to RM 2.14, contains a nearly pristine estuary and a riparian corridor in unusually good condition. Fish species include coho, cutthroat and steelhead.

Project Ref	Grantee	Project Name	State
01-1419-2002	WA IAC	Sloan-Witchert Slough Habitat/Irrigation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-01-FEB-06	Salmon Habitat Protection and Restoration	$236,397	$0	Upper Columbia

Project Description

This project will provide additional flow (approx 10 cfs) in the Sloan-Witchert Slough. The project site is located off the Methow River, two miles west of the Weeman Bridge. There are two irrigation diversions;one diversion (3 cfs) will be eliminated with installation of permanent ground water wells, the other diversion (7 cfs) would be converted to seasonal ground water wells for late season use (low flows) and a flow regime designed that allows for irrigation and habitat needs for listed fish stocks.

Project Ref	Grantee	Project Name	State
01-1420-2002	WA IAC	Omak Creek Road Decommission	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-JUN-05	Salmon Habitat Protection and Restoration	$0	$45,000	Upper Columbia

Project Description

Roads were identified as the leading factor for increased sediment yield within the Omak Creek watershed (NRCS 1995). Road density within the Omak Creek watershed is estimated at approximately 6.35 miles/square mile (NRCS 1995). During 1999 approximately 38 miles of roads within the Omak Creek watershed were closed and decommissioned. This project will continue this effort, an additional 20 miles of road in the upper watershed area of Omak Creek are proposed to be decommissioned.

Project Ref	Grantee	Project Name	State
01-1421-2002	WA IAC	Puyallup River Setback Levee	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-02-01-MAR-05	Salmon Habitat Protection and Restoration	$0	$990,000	Puget Sound

Project Description

This project will remove 5500 feet of an existing flood control levee on the left bank of the Puyallup River between river mile 21.3 and 22.3 and construct a 5200 foot long setback levee. The maximum width of the river corridor will increase from the present 250 to 1150 feet. The setback will expose 53 acres of floodplain and allow natural channel migration process to occur. During the design process opportunities to create side channels through the area will be investigated.

Project Ref	Grantee	Project Name	State
01-1422-2002	WA IAC	Robe Canyon Laird Preserve	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-01-31-MAY-03	Salmon Habitat Protection and Restoration	$286,819	$0	Puget Sound

Project Description

The proposed 82 acre acquisition will protect critical spawning and rearing habitat in the South Fork Stilly. Approximately 1/2 mile of riparian, side channel and pool habitat, and an active beaver population will be protected. The property is contiguous to Robe Canyon Historic Park, encompassing 970 acres of forested land along Robe Gorge. The SRFB contribution will be leveraged through a generous private donation to Cascade Land Conservancy (CLC).

Project Ref	Grantee	Project Name	State
01-1427-2002	WA IAC	Early Winters Creek Dike Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-30-MAR-06	Salmon Habitat Protection and Restoration	$216,041	$0	Upper Columbia

Project Description

This project will remove a dike to restore proper floodplain function and will re-establish habitat forming processes to three side channels. Acquisition of two parcels will be required for this activity. The project will include re-grading to form stable banks utilizing the materials from the dike removal as needed. The side channel, will be enhanced, by creating step-pool morphology for improved fish refusia habitat. The existing main channel will remain undisturbed. Fencing will be installed to ensure protection. All disturbed areas will be re-vegetated with native plants.

Project Ref	Grantee	Project Name	State
01-1428-2002	WA IAC	Identify/Restore Limiting Spawn/Rearing	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$180,000	Puget Sound

Project Description

This project will identify reaches within the Union, Mission, Tahuya, Rendsland, and Dewatto systems where LWD abundance and characteristics, pool surface area and depth is limited. Projects will be completed in areas most beneficial to salmon and have support from communities and landowners. The systems are habitat for summer and fall chum, Chinook, coho, and steelhead.

Project Ref	Grantee	Project Name	State
01-1429-2002	WA IAC	Stillaguamish Riparian Enhancement Crew	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-MAY-02-31-DEC-05	Salmon Habitat Protection and Restoration	$400,000	$0	Puget Sound

Project Description

The project is to provide a supervised crew of offenders to prepare, implement, maintain, and monitor riparian restoration projects in the lower Stillaguamish River subbasins. There are 23 restoration sites within these drainages that are underway or planned. This project helps restore 33,960 linear feet of riparian and 17 acres of wetland habitat within these sites, which all have landowner consent.

Project Ref	Grantee	Project Name	State
01-1430-2002	WA IAC	Higgins Creek Instream	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-30-OCT-04	Salmon Habitat Protection and Restoration	$84,726	$0	Puget Sound

Project Description

The objective of this project was to reduce high summer water temperatures, reduce the loss of holding and rearing pools, and to increase spawning and rearing habitats for steelhead, bull trout and coho.

Partnering with the US Forest Service, the Stillaguamish Indian Tribe strategically placed large woody debris complexes in and along 1.5 miles of Higgins Creek, a tributary to Deer Creek in the North Fork Sillaguamish River Basin of Skagit County. Due to past logging both the stream channel and riparian area lacked large diameter trees to serve as future recruitment areas for large woody debris. Crews placed 300-400 pieces of wood in 30-40 sites to reinforce and resemble natural accumulations of debris. Logs were placed by helicopter in or along the channel to enhance wood recruitment and point bar formation. Each log complex consisted of seven to 24 logs and was steel cabled together by ground crews from the North Cascades National Park. The project was completed on time and under budget.

Project Ref	Grantee	Project Name	State
01-1431-2002	WA IAC	East Fork Chimacum Extension	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-02-01-SEP-05	Salmon Habitat Protection and Restoration	$0	$53,800	Puget Sound

Project Description

This project will reconfigure approximately 1,300 feet of low gradient channelized stream across three parcels of agricultural and commercial lands on East Fork Chimacum Creek. Reconfiguration will increase channel complexity and provide wider floodplain margins, improve rearing and overwintering habitat for coho, cutthroat and steelhead. The project includes Large Woody Debris placement and native plantings between 150 and 180 feet on each side. It is part of a four year plan to improve habitat in over two miles of ditched stream.

Project Ref	Grantee	Project Name	State
01-1434-2002	WA IAC	Methow R/H Acquisition Supplement 2001	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-01-JAN-05	Salmon Habitat Protection and Restoration	$424,800	$0	Upper Columbia

Project Description

Project will provide for additional easement acquisitions in the Methow watershed. Public interest in a previously funded SRFB easement acquisition project is very high and will exceed the earlier SRFB grant (March 2001). These properties are in the areas of highest interest to the Upper Columbia Regional Technical Team and the limiting factors analysis and represent a total of 1,479 acres and 57,800 feet of riverfront.

Project Ref	Grantee	Project Name	State
02-1375-2002	WA IAC	Instream Flow Program	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	25-MAY-02-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$900,000	Washington

Project Description

Restore funding reduced by the legislature for local watershed planning units for instream flows work under the Watershed Planning Act.

DOE will issue Instream Flow Grants to local governments for the purpose of conducting instream flow studies and recommending instream flows.

This will be done in three steps:
1) Develop a scope of work;
2) Conduct the instream flow study; and
3) Develop flow recommendations.

Project Ref	Grantee	Project Name	State
00-1670-2001	WA IAC	Middle Branch Le Clerc Creek Bull Trout	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-01-01-OCT-05	Salmon Habitat Protection and Restoration	$39,993	$0	Pend Oreille

Project Description

Le Clerc Creek, a tributary to Box Canyon Reservoir (Pend Oreille R.), is the only known watershed where limited successful reproduction of bull trout occurs, with the exception of the South Fork Salmon River. Lack of spawning & over wintering habitat, high summer water temperatures & competition from eastern brook & brown trout are limiting factors to the persistence of this species. This watershed has been designated as a high priority for habitat restoration by the Colville National Forest. The USFS has already completed construction of 2.5 miles of new road to bypass a segment of county road located adjacent to the East Branch of Le Clerc Cr, the resurfaced approximately 2.2 miles of road adjacent to the Middle Branch of Le Clerc Cr., planted riparian areas & the armored livestock stream crossings on the Middle Branch. Past partners include the USFS, Pend Oreille County Roads Dept., Stimson Lumber Co., Jere Dennis (permittee) & the Kalispel Tribe. The proposed project will continue the fencing of overgrazed riparian areas planting of riparian areas along the Middle Branch. The brook trout population of the Middle Branch will be removed by using antimycin since habitat restoration along would not restore bull trout to areas fully occupied by brook trout. Plant survival & brook trout populations will be monitored for 3 yrs. This the first step in removing brook trout & continuing habitat restoration throughout the Le Clerc watershed.

Project Ref	Grantee	Project Name	State
00-1676-2001	WA IAC	Lower Twisp River Side Channel Acq.	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAY-01-31-DEC-02	Salmon Habitat Protection and Restoration	$0	$239,626	Upper Columbia

Project Description

This proposed project is to acquire, preserve and restore 18 acres of sensitive side channel habitat adjacent to the Twisp River. Once acquired, the Pacific Watershed Institute will conduct the side channel restoration, enhancement, and public education portions of the project. The restoration portion of the project is designed to remove road fill from flood channels, re-open isolated floodplain areas and to re-establish flow in a diked section of the Twisp River.

The properties are characterized by a broad floodplain bench adjacent to the Twisp River. Several natural side channels and a constructed irrigation ditch run through the length of the properties. Portions of the side channel and ditch are isolated from low flows by historic diking.

A restoration plan has been developed to increase off-channel spawning and rearing habitat for salmon. This has been identified as limiting factors for Spring and Summer Chinook, Bull Trout and Steelhead in the Methow watershed.

Acquisition through salmon funds creates opportunity for public involvement in habitat conservation and promotes progressive shoreline managment and stewardship. A small parking area and trail would provide public access. An interpretive station is planned along the trail for public education.

The project is supported by the Town, landowners, and compliments other WDFW projects.

Project Ref	Grantee	Project Name	State
00-1677-2001	WA IAC	Methow Watershed Riparian Habitat Acq	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-MAR-01-30-APR-05	Salmon Habitat Protection and Restoration	$1,273,330	$0	Upper Columbia

Project Description

The Methow Conservancy (MC) proposes to maximize habitat acquisition monies through the use of conservation easements & development of the sites using fencing, riparian plantings & off-site watering. The purchasing of conservation easements or providing transactional costs for private landowners to 'donate' easements will protect important riparian lands in the Methow Valley for perpetuity at the lowest cost per acre and will keep the property in private ownership. The MC is requesting $1.5 million dollars to develop easements in the three major sub-watersheds of the Methow Valley based on priorities identified in the 'Limiting Factors Analysis' and technical team reports. Our main focus will be to establish permanent riparian buffer zones.

We anticipate purchasing at least thirty easements & protection of at least $4 million dollars of the important habitat. We will work closely with the state Department of Fish & Wildlife and the tribal fishery departments to target parcels of the highest priority for easement acquisition. The MC has annual monitoring requirements on all easement we hold. Each MC easement also has a Stewardship endowment donated by the property owner or the MC that follows the property. This ensures that annual monitoring is done and that the elements of the easement are upheld, forever.

Project Ref	Grantee	Project Name	State
00-1681-2001	WA IAC	Beaver Creek Fish Passage Barrier	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-31-MAR-05	Salmon Habitat Protection and Restoration	$203,024	$0	Upper Columbia

Project Description

A 1998 WDFW survey identified 78 full and partial fish passage barriers in the Beaver Creek Drainage. We propose amelioration of 5 of these barriers, beginning with the first barrier found upstream from the mouth.

The barriers have been created by the continued need for revetment of irrigation diversion check dams to provide water levels necessary to convey water into diversion ditches. We propose to remove 4 of the dams, and replace them with instream structures that will alter the stream geometry to create hydraulic conditions that fall within the swimming and jumping capabilities of salmonids. A fishway is proposed to allow passage over the permanent concrete diversion dam. One of the diversions is being replaced with a well, and instream work will be to restore the natural stream morphology within the region.

The Habitat Limiting Factors Report for the Methow Watershed (WA Conservation Commission, 2000) ranked restoration of fish passage and screening of water diversions second only to the protection of properly functioning habitat. The limiting factors report also specifically identified lack of access to spawning and rearing habitat as limiting in the Beaver Creek drainage.

Techniques that improve conditions favoring high survival and abundance through critical stages, thus increasing carrying capability, should benefit the resource, particularly under conditions of exploitation of stress from human or environmental factors.

Project Ref	Grantee	Project Name	State
00-1682-2001	WA IAC	Wolf Creek Diversion/Patterson Mountain	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-01-30-SEP-05	Salmon Habitat Protection and Restoration	$0	$234,067	Upper Columbia

Project Description

Wolf Creek Reclamation District diverts irrigation water from Wolf Creek, a tributary to the Methow River. Wolf Creek provides habitat for three listed species. These are the Chinook Salmon and Upper Columbia River Steelhead as an "endangered" species and the Bull Trout as "threatened". WCRD Directors are committed to a progressive approach in dealing with listed species. Their goal is to find workable solutions to meet fish needs while at the same time, meeting their obligation to provide reliable irrigation supply. Key objectives in meeting these goals are:

- restoration of stream flows by use of storage and conservation;
-improvement of habitat; and,
-development of better scientific understanding of fish needs.

Efforts for Year 2001 call for repair of the existing surface flow on Wolf Creek. This structure impede fish passage during most of the summer months thereby restricting use of approximately 8 miles of quality habitat passage thus increasing habitat availability. The second effort will be continuation of the District's efforts to replaced open ditching on Patterson Mountain. When completed, water savings is expect to approach 1000 acre feet per year. Total cost for theses projects is $275,373.

Project Ref	Grantee	Project Name	State
00-1683-2001	WA IAC	Omak Creek Watershed Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$103,477	Upper Columbia

Project Description

Omak Creek, tributary to the Okanogan River, lies within the Colville Indian Reservation and contains ESA endangered summer steelhead. The Omak Creek Watershed Plan and Environmental Assessment identified natural resource problems resulting in high sediment and increased water temps. Roads were identified as the leading factor of increased sediment yield within the Omak Creek watershed. Sediment yield was also suspected to be high from the uplands due to sparse vegetative cover caused by poor distribution of livestock and season long grazing. Bank failures due to the high sediment load not transported though the system causes lateral channel migration and puts culverts in the road system at risk of failing and delivering sediment. Approximately eight (8) miles of road have been identified in the Stapaloop Creek drainage, a tributary of Omak Creek. The road sections were selected based on condition, utility and location. Most road sections showed signs of severe erosion. A deferred rotational grazing system will be implemented to reduce water temperature and sediment yield. Four (4) miles of fence will create multiple pastures which livestock will be rotated through annually and exclude them form the riparian area. This system will be facilitated by fifteen (15) spring developments and three (3) hardened rock crossings. All management techniques will be implemented according to NRCS standards. Decommissioning roads and implementing grazing strategies are actions that will continue a larger effort to restore salmon habitat in the Omak Creek basin.

Project Ref	Grantee	Project Name	State
00-1690-2001	WA IAC	Whiskey Creek Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-01-01-DEC-01	Salmon Habitat Protection and Restoration	$56,665	$0	Middle Columbia

Project Description

Whiskey Creek, a tributary to the Touchet River in WRIA 32, is home to ESA listed stocks of summer steelhead and bull trout. It is currently blocked to upstream passage by a concrete barrier at river mile 1.0. Currently, water temperatures do no exceed 70°F at the barrier and flows are estimated to be two (2) cfs. The purpose of this project is to modify the barrier to allow for upstream passage at all flows and for all age classes of salmonids, making more that tne (10) miles of useable spawning and rearing habitat accessible. In addition, woody debris will be placed in the channel over a distance of 0.4 miles to compliment instream rearing habitat, recruit spawning gravels, and provide velocity refuge during high flow events. Riparian trees will also be planted in the 0.4 miles to maintain cool water temperatures and provide large woody debris recruitment for future years. Lastly, a surface-water pump, with a water right of 0.5 cfs will be screened.

The Confederated Tribe of the Umatilla Indian Reservation will provide $5,000 towards modifying the barrier to allow upstream passage. The CREP program will be used as a $5,000 cost share towards the project. The project is 0.4 miles long and 360 feet wide (17 acres), and will be enrolled in CREP for 15 years.

Project Ref	Grantee	Project Name	State
00-1693-2001	WA IAC	South Fork Coppei Creek Riparian Buffer	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-01-01-DEC-03	Salmon Habitat Protection and Restoration	$0	$294,478	Middle Columbia

Project Description

The Hansen Project, located on the South Fork of Coppei Creek in Southeastern Walla Walla county, will combine in-stream habitat construction, riparian habitat restoration conservation easement to protect & enhance spawning/rearing habitat for endangered steelhead trout. Livestock will be permanently excluded from more than two miles of stream bank. Riparian areas damaged by decades of grazing will be restored. Spawning & rearing of endangered steelhead will be enhanced through construction of in-stream structures. Mature stands of Douglas Fir & Yellow Pine, located on steep hillsides adjacent to the stream will be permanently protected from commercial logging. Three spring fed tributary creeks to Coppei Cr. will be protected so cold, year round flows can continue to enhance the stream's water quality. Housing development, including construction of seven approved home building sites on the project, will never occur. The WDFW, WWCCD, USFWS, NRCS & TSS have identified the Hansen Project as the top priority for continued riparian buffer restoration on Coppei Creek. To date 1.8 miles of cattle exclusion fencing, 18 in-stream structures and 5.5 miles of riparian buffer have been installed downstream of the Hansen property on Coppei Creek. The Hansen Project will expand this already successful effort to protect & enhance the spawning & rearing of endangered steelhead trout in Coppei Creek. Establishing a conservation easement for the project is vital to this reach of Coppei Creek.

Project Ref	Grantee	Project Name	State
00-1694-2001	WA IAC	Patit Creek Barrier Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAY-01-31-OCT-01	Salmon Habitat Protection and Restoration	$0	$8,955	Middle Columbia

Project Description

Patit Creek, a tributary of the Touchet River in WRIA 32, is home to an ESA listed (threatened) stock of steelhead. There is upstream, and downstream, migration and spawning in the upper watershed of the South Fork.However, there is an old dam on Broughton Land Company property, approximately one mile above the mouth, that is a partial barrier, and may limit both upstream and downstream migration except in high stream flows. The dam will be removed and two log weirs and two rock weirs will be installed as grade control structures to create a step pool reach to facilitate both adult upstream and juvenile downstream passage, as well as control stream degradation and headcutting. The disturbed area will be revegetated with riparian plantings.

Project Ref	Grantee	Project Name	State
00-1695-2001	WA IAC	Walla Walla Watershed Spawning Reach	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-01-31-MAR-05	Salmon Habitat Protection and Restoration	$277,400	$0	Middle Columbia

Project Description

The project goal is to install screens on irrigation pump intakes in areas that are most likely to harm threatened Steelhead & Bull Trout in the Walla Walla Watershed.

The Cooperative Compliance Review Program (CCRP), created by WDFW, creates a partnership between WDFW, private landowner, and Conservation Districts to screen all the intakes in the watershed. Through CCRP process, Walla Walla and Columbia Cty. landowners have signed up to screen 438 pump intakes/diversions that do not meet current criteria. Area biologists prioritized these projects based on location in the watershed relative to fish life stages. While the CCRP process sets up a framework for installation of screens, it does not contain funding for installation.

This proposal seeks funding to install all the priority 1 screens (156 projects in spawning reaches) to NMFS and WDFW criteria. WWCCD will utilize their low overhead to administer the grant, WDFW will train private contractors how to design & install the screens. WDFW will also approve designs & installation of the screens, providing the landowner with certification of compliance & a HPA which outlines long term operation and maintenance requirements. Screening is a key component of the bi-state watershed planning process which seeks to restore Steelhead and Bull Trout stocks by working across political boundaries . Partners include NMFS, USFWS, USFS, Umatilla Tribe, sportsman's groups, ODFW, OR DEQ, OR Water Resources Dept., & environmental groups.

Project Ref	Grantee	Project Name	State
00-1703-2001	WA IAC	Sprayfield Riparian Enhancement Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	30-JAN-01-30-JUN-03	Salmon Habitat Protection and Restoration	$92,300	$0	Yakima

Project Description

Tree Top generates wastewater as a byproduct of fruit processing. This water is used to irrigate a pasture with 7800 feet of Yakima River shoreline which suffers from the management practices of the previous owner.

Project objectives:
* stop soil loss in the actively-eroding area,
* stabilize the entire shoreline with vegetation,
* begin the process of tree replacement for the heron rookery,
* increase shading of the river,
* provide a buffer of native vegetation between the spray field and the river,
* allow flood flows to spread more evenly over the property.

Objectives will be accomplished by:
* removing livestock from the entire site and converting to hay production,
* installing 8 large root wads with a rock barb at the upstream end and a rock vein at the downstream end,
* removing earth embankments and reducing the angle of riverbank slopes,
* planting vegetation on the banks and adjacent riparian area. including the heron rookery.

Project Ref	Grantee	Project Name	State
00-1710-2001	WA IAC	Yakima & Naches Tributaries Rootwad	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-30-NOV-04	Salmon Habitat Protection and Restoration	$0	$33,500	Yakima

Project Description

The Yakima Basin Limiting Habitat Factors Analysis, Yakama Nation Ecosystem Diagnosis & Treatment, Yakima IAC sub-group, and BPA Yakima Sub-basin plan have all identified lack of instream wood (woody debris) as a limiting factor for both the mainstem Yakima and Naches Rivers, and their tributaries. We have identified six (6) project sites on the Yakima River, Wide Hollow Creek, Cowiche Creek, Buckskin Slough, the Naches River, and on an unnamed tributary of the Naches River (within Eshbach Park) needing rootwad placement. Thanks to Yakima County, we have secured temporary rootwad storage site in Naches, WA. And we have two (2) rootwad sources, one (1) private, the other is the Washington Department of Transportation (DOT). We also expect the county site will receive rootwads as part of HPA mitigation agreements. The funds we request are for transporting, and placement of the logs at the project sites. Under Yakama Nation and/or WDFW supervision, contractors will be hired to place logs in pre-determined portions of the stream. Monitoring will be carried out by the Naches Watershed Team - an Americorps crew.

Cooperators in this grant include WDFW, Yakama Nation, Herke Rock, TreeTop Incorporated, Yakima County, and NWSA---Americorps. If funded, project implementation will occur in 2001.

Project Ref	Grantee	Project Name	State
00-1711-2001	WA IAC	Buchanan Ranch Restoration Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	05-FEB-01-30-JUN-05	Salmon Habitat Protection and Restoration	$233,652	$0	Yakima

Project Description

This project represents an opportunity for successful Salmon and Habitat recovery in the semiarid environment of Eastern Washington. The restoration of this site will provide rearing and spawning habitat for S. Steelhead, Coho, Sp. Chinook, Rainbow, Cutthroat & Bull Trout. This project will also serve as NYCD's model to the Districts' private landowners for future multi-entity planned and assisted Salmon recovery activities.

The project area is located at the mouth of the Wenas Creek and is connected to the Yakima River at R.M. 122 4R. It extends NW through a 320 acre working cattle ranch for 7/8 of a mile. The stream has been void of vegetation for 50 years and is in poor condition. The stream has no horizontal or vertical control and the associated flood plain (100 acres) has become drained. By implementing rootwads, j-hook vanes, cross vanes, brush mattresses, meander reconstruction and native plant revegetation, instream and riparian habitat functions will be restored. In turn these will reconnect the floodplain to the riparian areas and maximize the Project's potential.

Project Ref	Grantee	Project Name	State
00-1714-2001	WA IAC	Yakima Corrections Ripar. Enhance. Team	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	09-APR-01-01-JUN-05	Salmon Habitat Protection and Restoration	$0	$164,144	Yakima

Project Description

This project provides a supervised crew of offenders to implement streamside restoration at a variety of private and publicly owned sites in Yakima County. Riparian areas along the Yakima River provide critical habitat for roughly 80% of our state's wildlife, including ESA-listed steelhead and bull trout; however, these unique areas have been substantially altered by human activities. Successful restoration requires labor to suppress weeds that would otherwise out-compete desirable native plants. Through this project, diverse native plants will be sown and maintained for three years. The benefits will be improved riparian conditions for salmon, steelhead, resident trout (the target species), and terrestrial wildlife. Project activities: site preparation through cultivation or application of a glyphosphate-based herbicide; native plant sowing in the spring and/or fall; site maintenance to prevent the reintroduction of exotic, highly competitive weedy species. As the last step is critically important, each site will be revisited once per month through the growing season during the three years subsequent to restoration. The value of offender labor used for the project equates to $850 per day, and $219,000 for the three year life of the project. The project is supported by the Washington Department of Fish and Wildlife the Yakima Nation Fisheries Program, and the Yakima Valley Audubon.

Project Ref	Grantee	Project Name	State
00-1718-2001	WA IAC	Day Creek Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-01-31-AUG-03	Salmon Habitat Protection and Restoration	$126,046	$0	Puget Sound

Project Description

The Skagit Land Trust has protected 109 acres of mainstem Skagit River and Day Creek slough habitat through fee simple acquisition. The protected areas contain key mainstem spawning and side-channel rearing habitat for chinook and coho salmon. The site is contiguous with a large block of habitat protected by the U.S. Forest Service Wild and Scenic River program.

Project Ref	Grantee	Project Name	State
00-1722-2001	WA IAC	Skiyou Slough Habitat Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	10-FEB-01-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$333,935	Puget Sound

Project Description

During summer 2001, the proposed project will remove blockages & restore degraded banks and floodplain along a mile of Skiyou slough. Specifically, it will replace two farm crossings with a bridge & pipe arch, plant 3,000 feet of CREP riparian forest buffer, reforest 30 acres on a floodplain conservation easement, & permanently protect 25 acres of forest and gravel bar at the slough mouth.

Skiyou Slough is a back channel of the Skagit River near Sedro-Woolley. Historically, the slough gave coho salmon access to spawning sites and high value rearing habitat. Farm crossing & sedimentation gradually changed part of the slough into stagnant ponds, where poor water quality often kills the few salmon that still enter it.

The Skagit Watershed Council endorsed this project as consistent with its salmon recovery strategy. The project design builds on the success of nearby conservation projects of other SWC member organizations. For example, it adds 0.5 miles of protected riparian area to 2.5 existing miles upstream, and opens fish passage to Coal Creek, where others have replaced culvert barriers.

Skagit Conservation District, the project sponsor, presently manages over $2 million worth of riparian planting, wetland restoration, and other local conservation projects. SCD feels that this project is eminently worthy of SRFB funding. Not only will it expand local salmon habitat restoration initiatives, but it will protect a uniquely beautiful part of the Skagit Valley.

Project Ref	Grantee	Project Name	State
00-1723-2001	WA IAC	Finney Road Phase 1 Erosion Control	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	30-JAN-01-30-JUN-05	Salmon Habitat Protection and Restoration	$390,000	$0	Puget Sound

Project Description

SCD is partnering with the USFS on a sediment reduction project, Finney Roads Phase 1, that consists of road upgrades (culvert replacement and fill stabilization), roads put into storage (pull culverts, stabilize fills and water bars), road decommissioning (pull culverts, stabilize fills, remove road prism where needed for stability and water bar).

This project is designed to reduce the risk of road failure, erosion, and sediment production and their negative effects on Finney Creek and the Skagit River. Finney Creek, once a WDFW index stream for Chinook, has 11.5 miles of anadromous fish habitat and 11 miles of resident fish habitat. Finney Creek is currently recommended for listing on WDOE 303 (d) for elevated temperature. This is a target area for the Skagit Watershed Interim Restoration Strategy (2000).

Watershed restoration in Finney Creek began on Federal lands in the mid 1980's. Thirty-three miles of Forest Service high risk road have been treated since 1986.

Private landowners have also been addressing the problems in Finney Creek through a basin wide approach to restoration.

Expected results: Water quality will improve and the risk of landslides/sediment delivery will be reduced. This will reduce the potential for erosion, scour, and sediment associated with the existing situation. Better spawning, rearing, and holding habitat conditions for salmon and other aquatic species will result.

Project Ref	Grantee	Project Name	State
00-1726-2001	WA IAC	Samish Acquisition and Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-30-JUN-05	Salmon Habitat Protection and Restoration	$116,500	$0	Puget Sound

Project Description

The project objectives are to restore and protect in perpetuity critical and preferred salmon spawning and rearing habitat on 80 acres along the Samish River. Target stocks include coho.

The funding request is for financial support to restore 80 acres with native riparian vegetation, impairments to water quality and alterations to floodplain hydrologic and channel conditions, thus having a negative impact on salmon habitat.

Anticipated benefits as the property returns to natural habitat conditions include the following: reduction of water temperature and excess nutrient inputs, restoration of historic floodplain hydrologic conditions, future large woody debris recruitment, increased bank stability and subsequent decrease in sedimentation, and the return of a natural channel migration zone.

The Skagit Watershed Council endorses this project as consistent with its salmon recovery strategy. This project builds upon the success of nearby Riparian Habitat Program easements and restoration.

Project Ref	Grantee	Project Name	State
00-1728-2001	WA IAC	Nookachamps Riparian Restoration Ph 2	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-15-JUN-05	Salmon Habitat Protection and Restoration	$0	$114,750	Puget Sound

Project Description

The Skagit Conservation District will work with Skagit Watershed Council partners to install livestock fencing, and plant native riparian and wetland vegetation, on 17 acres along the mainstem of Nookachamps Creek and its tributaries

The project objectives are to restore critical and preferred salmon spawning & rearing habitat. Target stocks include Puget Sound Chinook and Coho as well as other anadromous and resident species.

Anticipated benefits as the property returns to natural habitat conditions include the following: reduction of water temperature, restoration of historic floodplain hydrologic conditions, future large woody debris recruitment, increased bank stability, return to natural sediment inputs, and the preservation of a natural channel migration zone.

Past developmental, agricultural, and forestry practices have contributed to lack of riparian vegetation, impairments to water quality, and alterations to floodplain hydrologic and channel conditions, thus having a negative impact on salmon habitat.

The Skagit Watershed Council endorsed this project as consistent with its salmon recovery strategy. The project builds upon the success of nearby conservation projects of the SCD (Nookachamps Riparian Phase 1, Conservation Reserve Enhancement Program) and other SWC member organizations, including riparian planting, fish passage barrier removal, and permanent easements.

Project Ref	Grantee	Project Name	State
00-1730-2001	WA IAC	Bishop Easement and Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-30-JUN-03	Salmon Habitat Protection and Restoration	$553	$0	Puget Sound

Project Description

The project objectives are to restore and protect in perpetuity critical and preferred salmon habitat on 35 acres along the mainstem of the Skagit River. Target stocks include Puget Sound Chinook and Coho.

The SCD will work in partnership with the Natural Resources Conservation Service to acquire a permanent easement, exclude livestock, and plant native riparian and upland vegetation.
Past agricultural and forestry practices have contributed to lack of riparian vegetation, impairments to water quality, and alterations to floodplain hydrologic and channel conditions, thus having a negative impact on salmon habitat.

Anticipated benefits as the property returns to natural habitat conditions include the following: reduction of water temperature; restoration of historic floodplain hydrologic conditions; future large woody debris recruitment; increased bank stability; return to natural sediment inputs; and the preservation of a natural channel migration zone.

The Skagit Watershed Council endorsed this project as consistent with its salmon recovery strategy. The project builds upon the success of nearby conservation projects of other SWC member organizations, including fee-simple acquisition and permanent easements.

Project Ref	Grantee	Project Name	State
00-1731-2001	WA IAC	Daniels Acquisition and Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-31-MAY-05	Salmon Habitat Protection and Restoration	$293,860	$0	Puget Sound

Project Description

The project objectives are to restore and protect in perpetuity critical and preferred salmon spawning and rearing habitat on 85 acres along the Samish River and two of its tributaries. Target stocks include coho.

The Skagit Conservation District will work with SWC partners to purchase the property and plant native riparian and upland vegetation.

Past agricultural practices have contributed to a lack of riparian vegetation, impairments to water quality and alterations to floodplain hydrologic and channel conditions, thus having a negative impact on salmon habitat.

Anticipated benefits as the property returns to natural habitat conditions include the following: reduction of water temperature and excess nutrient inputs, restoration of historic floodplain hydrologic conditions, future large woody debris recruitment, increased bank stability and subsequent decrease in sedimentation, and the return of a natural channel migration zone.

The Skagit Watershed Council endorses this project as consistent with its salmon recovery strategy. This project builds upon the success of nearby Riparian Habitat Program easements and restoration.

Project Ref	Grantee	Project Name	State
00-1732-2001	WA IAC	Neff Acquisition and Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	28-JAN-01-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$538,781	Puget Sound

Project Description

The project will acquire 120 acres of habitat adjacent to the Samish River and Thomas Creek. After acquisition, livestock fencing will be installed and native riparian and wetland vegetation will be planted on 50 acres. This project will benefit coho, and other wild salmonid species, by protecting and restoring critical and preferred salmon spawning and rearing habitat.

Past agricultural and other land use practices have contributed to a lack of riparian vegetation, impairments to water quality and alterations to floodplain hydrologic and channel conditions, thus having a negative impact on salmon habitat.

Anticipated benefits as the property returns to natural habitat conditions include the following: reduction of water temperature and excess nutrient inputs, restoration of historic floodplain hydrologic conditions, future large woody debris recruitment, increased bank stability and subsequent decrease in sedimentation, and the return of a natural channel migration zone.

The Skagit Watershed Council endorses this project as consistent with its salmon recovery strategy. This project builds upon the success of nearby Riparian Habitat Program easements and restoration.

Project Ref	Grantee	Project Name	State
00-1737-2001	WA IAC	Spartina Control in Skagit Co. Estuaries	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-01-01-JUL-03	Salmon Habitat Protection and Restoration	$0	$23,000	Puget Sound

Project Description

This proposal funds the removal, eradication &/or control of Spartina from the estuarine habitat of Skagit County. The methods of treatment will consist of cutting, digging & applying herbicides. Through the use of these methods in the estuaries, native plant species will be allowed to return to those areas currently infested or affected by this invasive noxious weed.

Spartina aggressively invades NW marine ecosystems & displaces native vegetation, such as eelgrass, & threatens estuaries by occupying ecological niches where little competition exist. As Spartina colonizes areas, it results in widespread ecological disruptions. These disruptions include destroying important feeding & rearing grounds for juvenile salmon & potentially disrupting marine food chains. Salmon rearing & feeding grounds will be enhanced as sloughs are allowed to return to their natural conditions.

Shoreline monitoring will be done by hiring a trained Spartina crew, along with trained volunteers. Monitoring is necessary to catch seedlings before they produce seeds. The Spartina Task Force of N. Puget Sound lists Skagit Bay as a high priority site for Spartina removal. The goal of the Task Force is to enhance public access, salmon habitat & wildlife habitat; monitor results of removal & modify future control methods; re-treat sites if necessary; prevent seed production at specific sites; & prioritize sites for control.

Project Ref	Grantee	Project Name	State
00-1738-2001	WA IAC	Lake Creek Fish Passage Improvement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-01-30-JUN-05	Salmon Habitat Protection and Restoration	$19,053	$0	Puget Sound

Project Description

The proposed project would correct two fish passage problems at an old railroad grade on Lake Creek. One north and one south of McMurray Shores Drive. On the south side, an 8 inch pipe 4 meters in length is installed under this railroad grade. This pipe does not provide sufficient flow to allow for passage of juvenile salmonids. The proposed project would remove this pipe and replace it with a 3' culvert sunk 12". On the north side of the road a 3' culvert would be replaced with a 4' sunk culvert.

Lake Creek connects two lakes in Skagit County, Big Lake to the North and Lake McMurray to the south. The creek has a fantastic coho run. Replacing these two blockages will open 7500 square meters of wetland habitat for coho rearing and 1220 square meters of spawning habitat for coho above this rearing area.

This project site was identified by Mike Olis with WDFW's SHEAR program. A WDFW Environmental Engineer brought the project idea to SFEG. The project falls within the target area for restoration activities identified by the Skagit Watershed Council's strategic plan. Partnering with WDFW and the Association of General Contractors (AGC) will significantly reduce costs of the project. Volunteer community members will be utilized to perform monitoring activities.

Project Ref	Grantee	Project Name	State
00-1741-2001	WA IAC	Lorenzan Creek Fish Passage Improvement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-01-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$35,195	Puget Sound

Project Description

This project will replace an existing 18" culvert with a bridge to improve fish passage on Lorenzan Creek. Two grade control weirs will also be constructed. Fish passage will be improved for coho and cutthroat trout to 9,725 m2 of habitat above the existing culvert crossing, and 1,725 m2 of this habitat is suitable for spawning and 8,000 m2 is a wetland complex, providing excellent juvenile rearing habitat.

This culvert was identified in a '97 survey by WDFW. Twenty-five culverts were identified & prioritized for replacement in this survey. 4 of the 25 culverts inventoried were given high priority for replacement, this culvert is one of those four. It is labeled pipe # 2.1 on the attached inventory map.

Skagit County and WDFW partnered in '99 to replace another high priority culvert 100m directly downstream of this private culvert at the mouth of the creek. Replacement of this private culvert will greatly increase the benefits of the Co/WDFW project funded by the SRFB in '99.

The project will involve local Boy Scouts in the construction & monitoring phases of the project. Spawning surveys will be conducted by the boy scouts upstream of the newly installed bridge once per week during the spawning season after construction. A local consultant has donated his time to design the bridge replacement through the People for Salmon program. National Fish and Wildlife Foundation is a partner for this project, providing matching funds.

Project Ref	Grantee	Project Name	State
00-1743-2001	WA IAC	Deepwater Slough Revegetation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-01-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$32,161	Puget Sound

Project Description

SFEG is proposing to remove approximately 10,000 m2 of invasive plant species (primarily himilayan blackberry & Japanese knott weed) along the right bank of the newly restored section of Deepwater Slough, along the dike toe outward on that side & other small areas. The invasive species out compete native species making it difficult for the natives to recolonize this restoration area.

SFEG will mow the invasive species once per month for the length of summer & then treat the area with herbicide (rodeo) in Oct before going dormant for the winter. The affected area will then be replanted with native species in the fall & spring following treatment. The project calls for a second year of intensive treatment of the invasive plants in order to establish native plants.

The goal of the Deepwater Slough Restoration Project, which was completed in the summer of 2000, was to restore natural processes, functions, conditions & biological responses within 204 acres of the project area. To achieve this goal dikes were removed to restore river & tidal influence & inundation to the restored part of the project area. Initial monitoring and adaptive management has identified invasive species as a persistent problem surrounding the removal & construction of one of the dikes for the Deepwater Slough restoration project. Current funding for this Deepwater Slough project as a whole does not allow for such activities as invasive plant species control.

Project Ref	Grantee	Project Name	State
00-1744-2001	WA IAC	Boyd Pond Fish Passage Improvement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-30-JUN-05	Salmon Habitat Protection and Restoration	$56,356	$0	Puget Sound

Project Description

This project will restore access for salmon into an overflow channel and pond area of the Sauk River. The pond was created and later abandoned by the Department of Fish & Wildlife. A concrete berm with a spillway currently blocks access about 500 meters upstream from the Sauk River. A fishway will be built to allow fish access around the spillway. Approximately 12,000 square meters of quality rearing habitat is upstream of the spillway, as well as several tributaries that offer excellent spawning habitat.

The project will provide much needed rearing habitat for a multitude of species including: Pink, Coho, Cutthroat, Bull Trout and Chinook. The Sauk River has been recognized for its high quality, intact salmonid habitat.

The Sauk River is the largest tributary of the Skagit River entering near the town of Rockport at river mile 67. Its watershed covers almost 200,000 acres in WRIA 04. Approximately 80% of the watershed is National Forest lands. The only major community near the work area is the town of Darrington with approximately 1,100 residents.

Protecting and restoring fisheries habitat in the Sauk watershed is considered a priority by the 1996 Watershed Analysis because of its important refugia habitat for wild salmon stocks. As areas in the lower Skagit suffer from increasingly more impacts, there is increased importance in preserving and enhancing intact salmon habitat existing in the Sauk region.

Project Ref	Grantee	Project Name	State
00-1746-2001	WA IAC	Shoeshell Road Fish Passage Improvement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-01-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$94,513	Puget Sound

Project Description

The project will remove an existing 3' culvert & replace it with a 7' culvert crossing under Shoeshell Road on Wollard Creek. Two log control weirs will also be placed, pending the final design for the project.

This project was identified by the Skagit System Cooperative through a systematic culvert inventory of the Skagit Basin funded by DOT in 1998-99. The project was prioritized by the Skagit Watershed Council as a top priority blocking problem in the Application of the Skagit Watershed Council Strategy, 11/99 (Project #10.1SF103.1.1). The project also is within a targeted restoration area identified by the Council. SFEG has partnered with the Stewardship Incentive Program (a partnership w/DNR & USFS) to work w/the landowner to develop a project correcting the fish blockage at this site.

Two homes are accessed via this crossing. One homeowner operates a small nursing home out of their home & requires 24 hour access for emergency vehicles. Because of this unique situation & the large quantity of fill on top of the existing culvert, the new culvert may need to be jacked into place. Jacking can be very expensive thus another alternative is to relocate the 4 patients during construction. Both options can be done with the cost estimate & SFEG is working w/People for Salmon for a possible in kind donation to relocate the patients. An engineering consultant has also donated his time to help design this project thanks to People for Salmon.

Project Ref	Grantee	Project Name	State
00-1749-2001	WA IAC	Samish Watershed Riparian Restore	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-01-30-JUN-05	Salmon Habitat Protection and Restoration	$102,513	$0	Puget Sound

Project Description

SFEG will utilize a riparian inventory of the Samish watershed to identify and implement riparian restoration projects. Data from the inventory will be used to identify where riparian areas are characterized as impaired and focus restoration efforts in these areas. Riparian projects will be targeted for implementation where the most benefit is perceived.

The inventory was conducted utilizing the framework established by the SWC. This framework uses buffer widths and stand types to assess the condition of riparian areas. Riparian areas are then classified as functioning, partially impaired or impaired. SWC's 2000 Strategic Approach says that restoring coho rearing habitat is a priority, therefore, riparian projects that will most benefit restoring natural processes to coho rearing habitat will be implemented first. Projects with little or no coho rearing benefits will be considered secondary.

Designs will be made for each planting and fencing project according to NRCS specifications. Money is requested to work with landowners to establish vegetation and fencing design plans, purchase materials, perform site preparation, plant native trees and shrubs, build fences, see that plants become established, and monitor the sites after implementation.

Funds requested will construct approximately 2 mi. of fences to protect riparian areas and plant 10 acres (minimum 1.25 mi. of stream) with native riparian plant species. Matching funds will come from JFE and the Conservation District.

Project Ref	Grantee	Project Name	State
00-1750-2001	WA IAC	Chumstick Creek Barrier Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-31-MAR-05	Salmon Habitat Protection and Restoration	$370,372	$0	Upper Columbia

Project Description

Chelan County is proposing to replace an existing culvert on North Road that currently precludes passage for spring Chinook and bull trout, and partially blocks steelhead, preventing healthy populations of ESA-listed threatened and endangered salmonids and other migratory fish species to 78 square miles of quality spawning and rearing habitat in the Chumstick Creek watershed. The project will complement US Fish and Wildlife Service (USFWS) and Chelan County Conservation District culvert removal projects upstream of the North Road crossing, and the Yakima Indian Nation's proposal to reintroduce Coho to Chumstick Creek. The new culvert will be a large, structural plate pipe countersunk with stream bed material and more than 100 feet shorter than the existing crossing, which is a fish passage barrier during low flows due to steep gradient and inadequate water depth and at high flows due to high velocities and excessive pipe length. The USFWS, Washington Department of Fish & Wildlife (WDFW), and Bonneville Power Administration (BPA) biologists and fish passage specialists have reviewed the project and all reviewers have indicated a high feasibility of project success. The USFWS and WDFW will monitor the project during and after construction. The money requested would supplement partial funding that has been committed through Chelan County and through grants awarded by Washington State Local Programs, BPA, and Washington State Governor's Salmon Recovery Office.

Project Ref	Grantee	Project Name	State
00-1768-2001	WA IAC	Koonz Creek Towne Barrier Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-31-MAY-03	Salmon Habitat Protection and Restoration	$250,000	$0	Puget Sound

Project Description

We are planning to replace a failing culvert and associated fill with a bridge at a private driveway crossing to restore salmonid fish access the entire upper watershed of Koonz Creek. Design work is currently underway with a final plan scheduled for December 2000. After careful evaluation, we determined the bridge option will be the most cost effective solution to meet statute fish passage criteria in this steep gradient reach where the stream is deeply incised with very steep side slopes. The project site is located off 99th Avenue NE from the Grandview Road near Bryant north of Arlington. The project will be sequenced with the bridge being installed first adjacent to the existing crossing followed by removal of the culvert and fill and restoration of the channel and slopes. This method will provide continuous driveway access for residents including emergency vehicles during the expected two (2) month construction period. Coho salmon, steelhead, sea-run cutthroat trout, resident trout and bull trout will be the beneficiary species. Removal of the blockage will recover a measured linear 4.4 miles (7,086 meters) of habitat with a Priority Index of 25.95. Partners include Snohomish County, Stillaguamish Tribe, and affected landowners.

Project Ref	Grantee	Project Name	State
00-1775-2001	WA IAC	NF Stillaguamish Road Decommissioning	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-01-31-DEC-04	Salmon Habitat Protection and Restoration	$118,500	$0	Puget Sound

Project Description

The Stillaguamish Tribe of Indians is partnering with the US Forest Service and Washington Department of Ecology to restore hillslope hydrologic processes altered by roads associated with the densely roaded South Branch and Crevice Creek subwatersheds in the upper North Fork Stillaguamish drainage. Treatment of 13 miles of roads is proposed to reduce road densitities and the risk of road failure leading to catastrophic sedimentation into South Branch, Crevice Creek, and downstream into the North Fork Stillaguamish mainstem. Work will entail varying levels of treatment depending upon risk failure. For the nine miles of decommissioning and four miles of roads which are access to areas expected to be enhanced for Late-Successful Reserve habitat within 20 years, work may include removing culverts, adding drainage dips, hardening drainage dips, removing side-cast material, and recontouring the slope by pulling back fills.

Resident and anadromous fish which would benefit from decreased sedimentation include chinook, coho, pink, chum, steelhead/rainbow, sea-run/resident cutthroat, bull trout/Dolly Varden, and riverine sockeye. Expected benefits include increased survivability of eggs and juveniles as reduced sedimentation improves the quantity and quality of spawning and rearing habitat. Benefits would be delayed but long-lasting as the roads revegetate and their influence on local hydrology lessens.

Project Ref	Grantee	Project Name	State
00-1779-2001	WA IAC	Westside Higgins Road Sediment Control	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-01-30-NOV-02	Salmon Habitat Protection and Restoration	$89,644	$0	Puget Sound

Project Description

Snohomish Conservation District is partnering with the US Forest Service to provide controlled drainage along 5.4 mi. of Westside Higgins Rd 1820 to reduce risk of road failure, erosion and sediment production and to reduce effects on fish habitat and water quality in Higgins Creek, a major tributary to Deer Creek (an important tributary to the North Fork Stillaguamish River). Bull trout, steelhead and coho utilize Higgins Creek, while Chinook, pink, chum, and sea run cutthroat trout utilize lower Deer Creek. Higgins Creek has 4.5 miles of anadromous and resident fish habitat and has been identified as refugia for steelhead, coho and char in the Deer Creek basin (collins et al., 1995).

The project consists of various treatments, including adding and/or replacement of culverts, fill stabilization, installation of water bars and removal of road prism where needed for stability.
Expected Results: Water quality will improve and the risk of landslides/sediment delivery will be incrementally reduced. This will reduce the potential for erosion, scour, and sedimentation associated with the existing situation. This action is expected to contribute to the incremental reduction of road-associated failures and other sedimentation that is occurring from water collection and concentration. Better spawning, rearing and holding habitat conditions for salmon and other aquatic species will result. Monitoring has been an ongoing part of this restoration effort.

Project Ref	Grantee	Project Name	State
00-1787-2001	WA IAC	North Fork Nooksack Recovery	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$1,256,871	Puget Sound

Project Description

North Fork Recovery will perpetually conserve 443 acres of functioning high quality Chinook salmon habitats in the North Fork Nooksack watershed. The project will protect 2.7 miles of spawning habitat on two critical North Fork streams (Racehorse and Bear Creeks), preserve over 1 mile of holding habitat, conserve 3.25 miles of riparian recruitment zone, & restore 51 acres of riparian forest.

The project is located in rapidly developing residential & recreational areas of the North Fork Nooksack River. Five acre subdivisions, mini-farms, & large lot estates surround the undeveloped acquisition sites. Acquisition, restoration & protection of these tracts will preempt potentially harmful development & preserve functioning habitats & natural landscape processes critical to fresh water life stages of Chinook salmon.

Lummi Natural Resources (LNR), Nooksack Natural Resources (NNR) & the Whatcom Land Trust are partners in the project. LNR & NNR will provide restoration and monitoring services. Whatcom Land Trust will facilitate acquisitions and manage sites in perpetuity for salmon habitat.

The Land Trust, in partnership with DOE and LNR has protected over 300 acres of river corridor in the project area. Nooksack Recovery Team members have completed riparian restoration & logging road storm proofing projects in Racehorse Creek & North Fork Basin. North Fork Recovery is the most significant salmon recovery project ever undertaken in the North Fork Watershed.

Project Ref	Grantee	Project Name	State
00-1788-2001	WA IAC	Rock Creek/Ravensdale-Retreat	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-00-01-SEP-02	Salmon Habitat Protection and Restoration	$0	$200,000	Puget Sound

Project Description

This project will assist in protecting ~204 acres along Rock Creek at RM 3.5-5.1, the Ravensdale-Retreat Reach. The eleven (11) parcel reach includes 1.6 miles of Rock Creek itself, palustrine forested and scrub-shrub wetlands, pond habitats, and second growth coniferous forest. This habitat will not only benefit Chinook, sockeye, coho, and steelhead, it will protect an important wildlife corridor used by elk, bear, and cougar.

Phase 1 of the project, which can be accomplished with this grant, will be to acquire ~100 acres or six (6) of the parcels, protecting approximately one (1) mile of Rock Creek, and to complete appraisal for the whole reach.

This project is a partnership between King County, the Friends of Rock Creek Valley and the National Fish and Wildlife Federation. King County will provide $33,200 in matching funds. The Friends of Rock Creek Valley have pledged to raise $233,200 to match a 2:1 challenge grant from the National Fish and Wildlife Foundation for $116,600. Protection of the whole reach will be completed once additional funds have been raised.

This project builds on significant past investments in protecting Rock Creek. King County owns 140+ acres from the mouth of Rock Creek to ~RM 1.2 which encompasses the primary spawning habitat of Rock Creek. Rock Creek is the best remaining tributary habitat in the lower Cedar River. Among a study of Puget Sound lowland streams, Rock Creek had the highest index of biotic integrity (May et al '98).

Project Ref	Grantee	Project Name	State
00-1792-2001	WA IAC	Wells Creek Road Sediment Control	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-01-30-AUG-03	Salmon Habitat Protection and Restoration	$90,000	$0	Puget Sound

Project Description

Nooksack Salmon Enhancement Association (NSEA) is partnering with the United States Forest Service (USFS) to provide a controlled drainage along Road #33 in order to reduce risk of road failure, erosion & sediment production & to reduce potential impacts on fish habitat & water quality in Wells Creek, a major tributary to the North Fork Nooksack River.

The proposed drainage corrections will prevent sedimentation during storm events. The drainage corrections design has been implemented on other similar projects by the USFS & has proven to be successful. The USFS has completed more than 50 miles of road treatment in the North Nooksack River. This project represents 13 miles of the remaining road miles to be treated.

Logging, resulting in sedimentation, has heavily impacted the Wells Creek system, resulting in increasing impact to aquatic life & less holding habitat for the populations of native char, trout and salmonids downstream. This roadwork was first identified in 1990 during a road deficiency survey & in 1999, following storm activity. The headwater area of Wells Creek is identified as a potential mass wasting area. Continued sediment loading & flood events are severely limiting recovery of Chinook, Coho, steelhead, native char, & bull trout populations in the Nooksack system.

The Wells Creek Road Sediment Control project complements other sediment reduction projects implemented by USFS, WA DNR, NSEA, and private timber owners.

Project Ref	Grantee	Project Name	State
00-1798-2001	WA IAC	Chimacum Estuary Habitat Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-01-01-JUN-06	Salmon Habitat Protection and Restoration	$469,981	$0	Puget Sound

Project Description

Estuarine and nearshore habitat loss is an identified factor for decline of summer chum, and ESA-threatened species. The project site is an industrial fill located in the Chimacum Creek estuary and adjacent intertidal nearshore area along 2,000 feet of shoreline. Industrial activities have ceased, and the site has undergone a cleanup. The project will provide 1) restored conditions in the Chimacum estuary, one of 20 identified subestuaries in the summer chum ESU, and 2) 13 acres of restored intertidal nearshore habitat along 2, 000 feet of shoreline located on the migration corridor of all Hood Canal and many Puget Sound anadromous salmonid stocks. Restoration will be accomplished by removing all non-native fill and relocating clean native fill (sandy marine sediment) against the upper edge of intertidal zone where it will recruit into the marine drift cell. This will restore tidal inundation to the site and provide marine sediment to nourish nearby shoreline features, including the Chimacum Estuary spit. Thereafter, the natural processes of wave and tidal action, unconstrained fluvial discharge, and sediment movement will occur unimpeded upon the restored site, producing stable, productive habitat. Summer chum, coho, steelhead, and cutthroat inhabit Chimacum Creek. These fish, along with all anadromous salmonid stocks originating in Hood Canal and many Puget Sound stocks, will benefit from the project.

Project Ref	Grantee	Project Name	State
00-1802-2001	WA IAC	Indian George Creek Estuary Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-01-30-APR-03	Salmon Habitat Protection and Restoration	$0	$238,256	Puget Sound

Project Description

Indian George Creek flows into the west side of Quilcene Bay, one (1) mile south of the mouth of the Big Quilcene River. The 1.7 mile long stream was once associated with a significant estuary, 7 - 8 acres in size. Nearly 50 years ago the stream was channelized directly into Quilcene Bay and access roads were constructed across the upper part of the estuary and its outlet, which disconnected the stream from its estuary. The goal of this projects is to restore estuary function and values by eliminating 250 lineal feet of parking lot fill and removing three (3) derelict barges to restore the tidal prism and estuary habitat. This will allow wave energy full access to the estuary to remobilize sediments from the fluvial into the marine system. Properly functioning estuaries have long been recognized as very productive aquatic environments. Summer chum and cutthroat also inhabit this system. The Hood Canal Salmon Enhancement Group is partnering with the Washington State Department of Fish and Wildlife to design, construct and manage this important project. Previously, the Jefferson Conservation District, Wild Olympic Salmon, and the Quilcene-Snow Restoration Team completed phase I, the upstream habitat restoration portion. It is now critical to complete phase II of this project by restoring the estuary function.

Project Ref	Grantee	Project Name	State
00-1821-2001	WA IAC	Upper Dungeness Road Decommissioning	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-01-SEP-05	Salmon Habitat Protection and Restoration	$0	$125,500	Puget Sound

Project Description

The project is located within the Dungeness River watershed on Forest Service road (FS) 2860 (0.0-4.8) and FS 2880 (0.0-1.5) on the north end of the Hood Canal Ranger District of the Olympic National Forest. The river miles directly effected are RM 15-19. The goal is to minimize road related delivery of coarse/fine sediment inputs to anadromous spawning & rearing habitat in the Dungeness River. Objectives are to improve hillslope hydrology, reduce potential of management related mass wasting, and surface erosion from roads. Decommissioning FS 2860 consists of removing culverts, unstable fill slopes, ripping road surface, and out sloping segments. Soil bio-engineering techniques for soil stabilization will also be performed.

FS 2880, 2860 stabilization consists of removing unstable fills, select out sloping, and improvement of drainage structures. An Environmental Assessment was completed in September 2000 with decision notice by April 2001. Survey and design work is scheduled to begin Fall 2000.

Fish listed as threatened under ESA include Chinook, summer chum, and bull trout. NMFS has designated all anadromous habitat accessible to Chinook as critical habitat, up to RM 18.7.

Project Ref	Grantee	Project Name	State
00-1834-2001	WA IAC	7020 & 7021 Barrier Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-01-30-SEP-04	Salmon Habitat Protection and Restoration	$136,500	$0	Puget Sound

Project Description

The objective of this project was to improve passage of salmonids at all life-stages by removing three fish passage barrier culverts and abandoning 4.5 miles of logging road as a means to open up 2.5 miles of potential refugia to threatened chinook and bull trout.

In 1999 the Piece County Conservation District conducted a culvert survey and identified the culverts at Slide Creek, Straight Creek, and Burns Creek to be the highest priority fish passage barriers in the Greenwater River Watershed of Pierce County. The culverts were prioritized using the WA Department of Fish and Wildlife's priority indexing methodology. The outlet of the Slide Creek culvert was perched eight feet above a shallow pool with heavily eroded approach fills on each side. The Straight Creek culvert was plugged during the 1995 flood and a new channel was cut through to the adjacent road fill. The new incised channel was a barrier to all fish life-stages. The Burns Creek culvert was still intact but undersized for the amount of water flow and debris produced and too steep in gradient to allow fish passage. Partnering with the US Forest Service the Pierce County Conservation District removed the culvert and associated fill materials on Side Creek and returned the stream bed to a natural gradient. Project management was performed by the South Puget Sound Salmon Enhancement Group and the instream work was designed by Fisheries Consultants. Additionally, critical portions of the road systems over Straight Creek and Burns Creek were decommissioned. The stream banks of the creeks were revegetated with weed-free mulch and red alder and conifer saplings.

Project Ref	Grantee	Project Name	State
00-1835-2001	WA IAC	Coal Mine Creek Fish Passage Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-01-30-NOV-01	Salmon Habitat Protection and Restoration	$0	$67,680	Puget Sound

Project Description

This project will provide unimpeded fish passage to the headwaters of Coal Mine Creek (WRIA 10.042A). This project will remove two passage barriers and replace them with structures that will allow passage for salmonids at all life stages.

Approximately 350 linear meters of habitat will be made accessible by this project, including 202 square meters of spawning habitat and 1083 square meters of rearing habitat (PCD habitat assessment survey, 2000), providing immediate and long term benefits to salmon. Stable spring fed flows and a network of wetlands above the barriers will provide critical rearing habitat for all species.

Coal Mine Creek is one of WDFW's index streams for coho spawning escapement in the Puyallup River Basin. This right bank tributary is part of the Wilkeson Creek drainage, which is regarded as one of the most productive creeks in the basin. The WDFW Priority Index Number for this site is 13. Habitat made accessible for this project will be suitable for wild chinook and coho salmon, steelhead, and sea-run/resident cutthroat.

Re-establishing fish passage will have other benefits, including transportation marine nutrients upstream i.e. salmon carcasses. Construction of a properly sized structure will enhance downstream migration of stream bed-load, increasing diversity of substrate size and quality of downstream spawning habitat. Finally, woody debris will be allowed to migrate downstream to provide cover for fish and enhance channel diversity.

Project Ref	Grantee	Project Name	State
00-1836-2001	WA IAC	Birch Street Barrier Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-01-01-OCT-02	Salmon Habitat Protection and Restoration	$0	$94,000	Puget Sound

Project Description

This project will remove a barrier culvert located on Birch Street and the west fork of Hylebos Creek, and replace it with a structure that will allow fish passage for all species and life stages. Habitat surveys conducted by WDFW have revealed 9,138 meters of potential spawning and rearing habitat, providing immediate and long-term benefits to salmon. Habitat made accessible by this project will be suitable for Chinook, coho, chum salmon, steelhead, and sea run cutthroat.

The project was identified in the Pierce Conservation District Culvert Inventory for WRIA 10. The Pierce County fish passage committee consisting of PCD, WDFW, Puyallup Tribe and Pierce County SWM considered this site a priority project.

Re-establishing fish passage will not only provide additional habitat for salmonids but will also have other benefits, including transport of marine nutrients upstream - salmon carcasses. Construction of a properly sized structure will also enhance downstream migration of streambed load increasing diversity of substrate size and quality of downstream spawning habitat. Finally, woody debris will be allowed to migrate downstream to provide cover for fish and enhance channel diversity.

Federally listed species potentially benefiting from habitat made accessible by this project include the Puget Sound Chinook salmon. The PCD will be partnering with the City of Milton, South Puget Sound Enhancement Group, and the Puyallup Tribe.

Project Ref	Grantee	Project Name	State
00-1838-2001	WA IAC	Beckler Road Decommissioning	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-01-31-DEC-04	Salmon Habitat Protection and Restoration	$215,000	$0	Puget Sound

Project Description

This project decommissions 24 miles of roads within the Beckler watershed, located 50 miles east of Everett within the Skykomish Basin. Decommission treatments range from total removal of the road prism and complete recontouring of the hillside to approximately a natural slope, to some combination of removing culverts, removing unstable road fill, scarifying road beds, and waterbarring. Work also includes stormproofing 15 miles of road that are to be retained that currently deliver sediment to streams. The objective is to largely restore and stabilize slopes that are currently contributing sediment to salmon bearing streams (including the Beckler and Rapid Rivers) through surface erosion, and/or have high risks of contributing very large volumes of sediment through mass failures associated with the current road system.

The anticipated product would be a largely self-maintaining drainage system. The work is spread over several square miles (see project map). This project would benefit chinook salmon and bull trout, as well as several other salmon and trout species within the watershed. Direct, near-term benefits will occur through the reduction of ongoing chronic delivery of sediments into otherwise valuable chinook and bull trout habitat. When combined with previous restoration work already completed by the USFS, this key project will greatly help restore the Beckler watershed to the refugia its capable of being.

Project Ref	Grantee	Project Name	State
00-1845-2001	WA IAC	White River Pipeline Crossing	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-31-MAY-04	Salmon Habitat Protection and Restoration	$940,000	$0	Puget Sound

Project Description

The purpose of the proposed Tacoma Water project is to remove the concrete scour-prevention structure protecting its pipeline crossing under the White River (WRIA 10.0031).

The objective of this project is to restore unimpeded fish passage in the vicinity of the existing concrete structure (river mile 23.3).

The concrete structure was constructed in the 1920's to protect the City of Tacoma's municipal water supply pipeline (installed at a shallow depth under the river in 1912) from the scouring action of the White River.

Tacoma Water proposes to replace the existing length of pipe under the river channel with a new length pipe. The new pipe, however, would be buried deep enough under the river to preclude the need for a dam. Thus, the dam and fish ladder could be removed and a fish passage barrier would be permanently removed.

Project Ref	Grantee	Project Name	State
00-1846-2001	WA IAC	Puyallup River Watershed Revegetation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-01-01-FEB-05	Salmon Habitat Protection and Restoration	$35,000	$0	Puget Sound

Project Description

This project will establish or improve riparian buffers along streams in the Puyallup River Watershed by utilizing two existing programs at the Pierce Conservation District.

Technicians from the Farm Assistance program will work with landowners to prepare a riparian buffer planting plan. All planting plans are written according to USDA Natural Resources Conservation Service specifications and standards. Stream Team will hire WCC crews for site prep, order materials, and coordinate volunteers to plant the buffer. This grant proposal consists of purchasing plant materials, protective devices to increase survival and time from the Washington Conservation Corps to assist in site preparation.

Many times, private landowners are interested in improving riparian conditions, but lack the funds and resources to do so. For example, many landowners do not qualify for the Conservation Reserve Enhancement program that provides eligible landowners with cost-share dollars to establish streamside buffers. This proposal accommodates those landowners who are not eligible to receive financial help from state and federal programs.

Trees and shrubs have potential to benefit salmon in many ways. They provide shade to cool waters in the summer and provide root strength to prevent stream bank erosion. They contribute leaf litter as a food source, and once grown, fall into the stream providing many benefits to juvenile salmon.

Project Ref	Grantee	Project Name	State
00-1869-2001	WA IAC	Tiemeyer Off-Channel Pond	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-01-31-MAR-03	Salmon Habitat Protection and Restoration	$37,047	$0	Washington Coastal

Project Description

The Tiemeyer Off-Channel pond project will improve the habitat and access for salmonid juveniles coho, steelhead, and cutthroat for overwintering and summer rearing. The site is a 3,421 feet long wetland area off-channel habitat.

The project is located in Jefferson County, near the town of Clearwater. The site is in section 18, T24N R12W, WRIA 21.0024, 70 miles north of Hoquiam, WA, 3.5 miles from the confluence of the Clearwater River, where it meets the Queets River five (5) miles from the Pacific Ocean.

The limiting factors include low dissolved oxygen levels, temperature, cover, and limited access to upper wetlands. The scope of work involves the restoration of wetlands by removing cedar spaults that constrict water flow through the channel. An excavator will be used to pull back the waste above the ordinary high water line. Removal of clay/silts and cedar waste will increase the pond depth, improving water quality, water quantity, and habitat for salmonids.

The pond edge will be lined with Typar fabric or bentonite to seal the pond and covered with soils. Revegetation with native plants will complete the project. The plants around the pond will provide bank stabilization and cover to regulate water temperature. Construction of a cedar plank control structure will be used to maintain and increase water depth throughout the wetland. The off-channel habitat for salmonids will be increased significantly by providing access to one (1) acre of additional wetland upstream of the project site.

Project Ref	Grantee	Project Name	State
00-1870-2001	WA IAC	Monahan Crk Culvert Replacement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$504,200	Lower Columbia

Project Description

The existing Monahan Creek culvert at Delameter Road consists of two (2) 10-foot wide concrete boxes. According to WDFW criteria, the culvert presents a total barrier to resident and anadromous fish. Outlet height (5 feet), depth of flow, and flow velocity (slope & length) contribute to the barrier status. Three (3) listed species, fall Chinook, winter steelhead, and chum are known to spawn in Monahan Creek. The new culvert will be a 32-foot wide arch culvert. 450 feet of channel will be reconstructed as a roughened channel to control velocity through the culvert and downstream. WDFW has worked with us in the preliminary design phase to ensure the final product will optimize fish passage.

Landuse upstream of the culvert is predominately forest. Downstream is forested on the east side and agriculture (pasture) along the west side. Within the project area, native trees and shrubs will be planted in accordance with WDFW's recommendations for riparian restoration in areas disturbed by the project. Cowlitz Conservation District (CCD) is currently working with the agriculture producer to further improve riparian conditions by establishing an effective riparian buffer and managing livestock access to Monahan Creek.

This project will open up 4.8 miles of habitat. CCD identified this project as a high priority in the Arkansas Creek Watershed Plan. The Limiting Factors report for WRIA 26 states Monahan Creek has some of the best habitat in the Lower Cowlitz River Subbasin. This project would be a big step towards salmon recovery in WRIA 26.

Project Ref	Grantee	Project Name	State
00-1872-2001	WA IAC	LCRE Grays River Phase II	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-01-01-MAR-05	Salmon Habitat Protection and Restoration	$615,505	$0	Lower Columbia

Project Description

The Grays River is home to five (5) species of salmonids: coho, Chinook and chum salmon, steelhead, and searun cutthroat. Chinook, chum and steelhead are listed as threatened, and searun cutthroat is proposed as threatened. The Grays River supports the strongest remaining run of chum salmon in the Columbia River ESU. This project will immediately address limiting factors in the Grays River, including flood plain connectivity, bank stability, large woody debris, side channel availability, substrate fines, riparian condition, and temperature. This project conserves one (1) mile of riverfront, improving the quality and quantity of habitat for all life history stages of salmonids. This project also benefits all upriver Columbia Basin anadromous fish dependent on the Lower Columbia River estuary for juvenile nursery habitat. There are three (3) elements to the proposed project:
1. Acquisition of 145 acres of old growth spruce wetland and 57 acres of associated forested upland along Grays Bay and Secret River.
2. Acquisition and restoration of 200 acres of ditched and diked floodplain at Devil's Elbow, to be reconnected to Grays River.
3. Acquisition of 125 acres of ditched and diked floodplain at Eden Valley.

This project restores tidal function to 200 acres of the Grays River estuary by partial levee breaches and culvert removal. Restoring tidal function to the estuary improves water quality within the Grays and Columbia River estuaries. Reconnecting this floodplain with the river improves habitat and water quality as well as increasing the productivity of the basin.

Project Ref	Grantee	Project Name	State
00-1874-2001	WA IAC	Still Creek Large Woody Debris Placement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-01-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$112,042	Washington Coastal

Project Description

The project location is in SW Washington approximately 30 miles from the coast immediately north of Elma and Montesano. Still Creek is a tributary to the West Fork of the Satsop River. Lower Mainstem WRIA 22.0366; Sec. 32 T19N R07W; Sec. 5 T18N R07W; Grays Harbor County.

The focus of this restoration project is to improve in stream and riparian function by placing new large woody debris, retain 118 existing large woody debris and plant native conifer in two (2) tributaries (approx. one mile in length each) to Still Creek. The project will address limiting factors of temperature, cover, food sources, streambed stability, pool frequency, sedimentation, gravel scour, the lack of large woody debris, and large woody debris recruitment, as defined in the West Fork Satsop Watershed Analysis, WA Conservation Commission's Satsop Basin Limiting Factors Report, and US Fish and Wildlife Service study. "Chehalis River Basin Fishery Resources: Status Trends, and Restoration Goals."

Targeted stocks are chum, coho, Chinook, steelhead, and cutthroat trout.

Planning has been on going with the Weyerhauser Co., Columbia-Pacific RC&D, WA Dept. of Fish and Wildlife, and US Fish and Wildlife during different courses of previous grant applications and an on going implementation of riparian planting and maintenance of Still Creek.

Timing for project implementation (LWD) is best when the hydraulic window opens, usually mid-June until late September, riparian planting will take place in the late fall and winter months.

Project Ref	Grantee	Project Name	State
00-1876-2001	WA IAC	Anderson Lake Creek Barrier Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-01-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$75,485	Puget Sound

Project Description

The project involves replacing a barrier culvert located near the town of Allyn in Mason County. The existing culvert lies beneath Sherwood Drive and will be replaced with a bottomless structure to provide unrestricted fish passage at all stream flows. The culverts restricts passage to all of Anderson Lake Creek since it is located within 200 feet of the mainstem Sherwood Creek. Fish species benefiting from this project include coho, chum, winter steelhead, resident and coastal cutthroat. The South Puget Sound Salmon Enhancement Group will be the lead on design/engineering and implementation with Mason County Dept. of Public Works and Dept. of Community Development providing design review and construction supervision. In addition to the culvert replacement, we will plant conifers on sites along the stream to provide a source of LWD recruitment in the future as well as placing LWD structures in areas lacking in stream cover (to be determined through a habitat assessment of the stream). The Allyn Salmon Enhancement Group (local community organization) will be performing spawner surveys to determine utilization above the new structure (the group has received training through WDFW to perform surveys). The SPSSEG will also work with WDFW and the Squaxin Island Tribe to develop a comprehensive monitoring plan (at least) 5 years that will include assessments of adult and juvenile utilization as well as habitat surveys of instream structures and riparian vegetation.

Project Ref	Grantee	Project Name	State
00-1885-2001	WA IAC	Morse Creek Restore Phase 1: Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-26-JAN-06	Salmon Habitat Protection and Restoration	$951,000	$0	Puget Sound

Project Description

This a land acquisition project targeting approximately 120 acres of property bisected by a 1/2 mile length of Morse Creek east of Port Angeles. The objectives of this acquisition are 1) immediate protection and 2) future restoration of mainstem, side channel, and off-channel habitat historically used by Puget Sound chinook and currently used by bull trout, summer chum, fall chum, coho, pink, steelhead, and cutthroat. A major goal is to provide protected and restored habitat to support re-establishment of Morse Creek chinook, which were recently extirpated. All anadromous salmonid stocks using Morse Creek will benefit significantly from this project. The property is for sale and, because of its location on the outskirts of Port Angeles, is at risk to be acquired by developers. The property is critical to the protection and restoration of salmonid habitat in Morse Creek because : 1) the terrain is steep and unstable and logging or development on this property could severely impact Morse Creek by triggering catastrophic inputs of fine sediment, 2) the property contains the entire floodplain along approximately 1/2 mile of the stream, and 3) the stream is channelized, diked and depleted of wood throughout this reach and would benefit from restoration. The project addresses two (2) WRIA 18 LFA ranked Action Recommendations for Morse Creek, which cannot be accomplished within this reach without the acquisition of this property.

Project Ref	Grantee	Project Name	State
00-1887-2001	WA IAC	Pleasant Glade Road Salmon Barrier	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-FEB-01-30-OCT-03	Salmon Habitat Protection and Restoration	$250,000	$0	Puget Sound

Project Description

This project proposes to replace two concrete culverts with a 28 foot long bridge, which would open up about 5.5 miles of important upstream habitat mostly chum and coho and smaller numbers of chinook, cutthroat and steelhead. Currently, these 48" concrete culverts convey Woodland Creek under Pleasant Glade Road, a public county road. An extensive scour pool has developed at the outfall due to the undersizing of the existing culverts, creating a low flow barrier to adult fish. This scour pool plus the perched ends of the culverts significantly inhibit adult fish passage and are likely total barriers to upstream juvenile migration.

Woodland Creek has been identified in the Salmonid Habitat Limiting Factors Analysis for WRIA 13 as one of the streams with the greatest potential for restoring salmon runs in this WRIA. Replacing these culverts is listed as a high priority in the Woodland and Woodard Creek Comprehensive Drainage Basin Plan, 1995, in the Woodland Creek Enhancement Plan, 1993, and in the Habitat Limiting Factors Report for WRIA 13, 1999. This project will provide a critical link to other restoration efforts along Woodland Creek. Letters of support have been received from Lacey and the Washington Conservation Commission.

A bridge is justified for this location because of the width and velocity of the stream. Although the initial cost is more expensive, the bridge will provide the maximum benefit to fish passage.

Project Ref	Grantee	Project Name	State
00-1888-2001	WA IAC	McLane Creek Peters Restoration Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-30-OCT-02	Salmon Habitat Protection and Restoration	$11,100	$0	Puget Sound

Project Description

The objectives of this project are build a livestock crossing, erect fences for livestock exclusion, plant riparian vegetation and provide large woody debris (LWD) integration to improve salmon habitat. This project will improve approximately 0.45 miles of degraded salmon habitat that is utilized by coho, chum, resident and coastal cutthroat, and steelhead. The restoration project will take place on McLane Creek located within 14.24 acres of property owned by Doug and Suzanne Peters. Currently, horses and llamas have direct access to the creek. Implementation of a livestock crossing will prevent livestock access while allowing utilization of all pasture. Fencing with a minimum 50' buffer will protect surface waters and vegetation. The participating members of the project are the Thurston Conservation District and the property owners. The restoration project will take place in 2001. However, the re-vegetation efforts will be monitored thereafter to assure sustainability.

Project Ref	Grantee	Project Name	State
00-1894-2001	WA IAC	Trap Creek A-line Abandonment & Stream	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAY-01-31-DEC-04	Salmon Habitat Protection and Restoration	$390,300	$0	Washington Coastal

Project Description

The Trap Creek sub-basin has been identified in the Willapa Headwaters Watershed Analysis and the Limiting Factors Report as a very important area for salmon habitat. The lower three miles of Trap Creek have been noted as some of the best potential spawning habitat in the Willapa Watershed. Through the aforementioned watershed analysis, the Aline was documented as a major contributor of sediments to Trap Creek due to mass wasting. This project proposes to abandon 1.4 miles of the Trap Creek A-Line road and place engineered large woody debris structures in Trap Creek. Prior road abandonment projects in headwater locations have helped alleviate the risk of human caused mass-wasting events. This project will address loss of LWD and spawning habitat identified by the Limiting Factors Report while complimenting the earlier road abandonment. As part of this proposal, a request is made for the acquisition of a rock quarry located at the initiation point of this project. Abandonment work on the A-line has been completed up to the location of the rock quarry. Acquisition of this property will allow the work to proceed downstream, eliminating 1.4 miles of stream-edge road and returning this land to a functioning riparian environment. Partners in this project will be the Willapa Bay Fisheries Enhancement Group and the South Bend School District.

Project Ref	Grantee	Project Name	State
00-1898-2001	WA IAC	Lower Columbia R. Estuary: Grays Bay Ph4	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-JAN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$409,439	$0	Lower Columbia

Project Description

This project will acquire and restore over 260 acres of estuarine wetlands, riparian areas, forested uplands and the lower portions of five (5) creeks that enter the Lower Columbia River estuary in the project area. Brooks Slough provides important estuarine rearing habitat (a regional limiting factor) for Columbia Basin salmonids. This project will add 150 acres to the Lower Columbia estuary. Project activities include: acquiring the land; removing two (2) tidegates, a pump station, and several buildings; installing three (3) large open pipes to restore connection of 150 acres of estuary to the Columbia River; restoring two (2) miles of creek habitat, restoring a 30 acre emergent wetland; and reforesting 30 acres of riparian and upland habitats. This project will benefit several threatened and endangered species, including salmonids produced within and migrating through the Lower Columbia River Estuary. The habitat objectives are to restore a complex mosaic of stream channels, tidal swales, wetlands, and riparian forest with open connection to Brooks Slough. Restoration of stream, floodplain, estuarine, and forested habitats will improve habitat for salmonids, improve water quality and increase productivity of adjacent habitats. Ducks Unlimited, NRCS, and USFWS will assist with project design and implementation. Property will be transferred to USFWS for ownership and management.

Project Ref	Grantee	Project Name	State
00-1899-2001	WA IAC	Cedar Creek Tributary at Cedar Creek RD	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	30-MAR-01-30-NOV-02	Salmon Habitat Protection and Restoration	$85,763	$0	Lower Columbia

Project Description

The project is located in the Lewis River Watershed and is near the town of Amboy. The project consists of removing one (1) culvert that is no longer needed and replacing a second culvert that is under Cedar Creek Road. Both culverts are seasonal barriers to fish passage. The replacement culvert will have a wide span and filled with streambed rock allowing natural stream characteristics to develop within the culvert. Removal of these barriers will open 1.5 miles of high quality habitat and will enhance rearing and spawning opportunities leading to an increase in survival and reproduction rates for salmon.

The Salmon and Steelhead Habitat Limiting Factors, WRIA 27 states that "Cedar Creek provides the majority of spawning and rearing habitat left in the Lewis River system for steelhead and coho". In addition, the WDFW has a draft set of goals for Cedar Creek to protect, restore, and enhance the production and diversity of salmonids in the area. These goals include fish movement into new habitat.

Steelhead, coho, and sea-run cutthroat trout are known to utilize the project area. Steelhead are listed as threatened, coho are candidate species, and the sea-run cutthroat are proposed for listing. In addition, there may be Chinook salmon present in the vicinity of the project. Chinook is listed as threatened. All four (4) species are considered "depressed" by the WDFW.

Project Ref	Grantee	Project Name	State
00-1904-2001	WA IAC	Cedar Creek Watershed Riparian Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-01-31-MAR-05	Salmon Habitat Protection and Restoration	$174,558	$0	Lower Columbia

Project Description

The importance of Cedar Creek, a tributary to the North Fork Lewis, is stated in the WRIA 27 Limiting Factors Analysis (LFA). "The Cedar Creek watershed provides the majority of spawning and rearing habitat left for coho, steelhead, and cutthroat trout in the North Fork system. Protection and enhancement of this basin is critical." Within this watershed, Clark Conservation District is proposing a program to exclude livestock from streams, provide alternate livestock water, revegetate the riparian areas, and protect wetlands along the North and South Forks of Chelatchie Creek and Cedar Creek between Amboy and Pup Creek.

Our objective is to contact landowners along these reaches, explain the project, and enlist their participation. This project addresses many recommendations from the LFA, written to help direct our actions to best benefit habitat and water quality. For instance, substrates within the system are cemented with fine sediments reducing the available spawning habitat. This may be alleviated by reducing fine sediment input to the Cedar Creek system. LFA recommended actions include fencing livestock from streams and replanting degraded riparian areas providing shade, reducing water temperatures, and speeding recruitment of conifers for future supply of large woody debris. Also proposed is protection of wetlands, springs and off-channel habitats in the Chelatchie system, important in providing rearing areas for salmonid juveniles and good water quality.

Project Ref	Grantee	Project Name	State
00-1907-2001	WA IAC	Schoolhouse Creek Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-31-MAR-05	Salmon Habitat Protection and Restoration	$367,325	$0	Lower Columbia

Project Description

The Washougal, a major tributary to the Columbia located in Clark County, supports mixed stocks of coho, fall chinook, summer and winter steelhead, as well as resident rainbow and cutthroat trout. This project will restore historical access to, enhance, and protect 23.6 acres of Schoolhouse Creek (SHC), a spring-fed wetland complex tributary to the Washougal River that delivers cold (13.8 degrees Celsius in July 2000) water year-round. The restored wetland complex will provide critical off-channel spawning, rearing and over-wintering habitat, as well as refuge from high summer water temperatures in the Washougal (20.6 degrees Celsius on the same day), for coho, cutthroat, steelhead, and possibly chinook and chum salmon.

Skamania County will be replacing the culvert blocking SHC in August 2000, a critical component of Washington Trout's (WT) restoration project, which will incorporate a fish ladder at the upstream end of the culvert to ensure fish passage and maintain proper water elevations in the restored wetland complex. WT will enhance the existing spring-fed wetland through the additional of LWD and riparian vegetation, and create additional rearing and spawning habitat connected to the existing wetland complex. Log controls and the fish ladder at the culvert will be used to maintain proper water elevations to maximize rearing habitat and minimize stranding. Acquisition of the project site will ensure protection and maintenance of the critical habitat in perpetuity.

Project Ref	Grantee	Project Name	State
00-1908-2001	WA IAC	Lower Columbia/Chinook River Estuary	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-01-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$400,000	Lower Columbia

Project Description

This project constitutes Phase II of the Chinook River estuary restoration project. Phase I included acquisition and restoration of 872 acres of estuarine wetlands. Phase II will include the acquisition of an additional 230 acres of restorable estuarine wetlands contiguous with the Phase I area. The work will increase the total restoration effort in the Chinook River estuary to approximately 1,100 acres, which is over 80 percent of its original area. The addition of this land will greatly enhance the overall Chinook R. restoration project by reestablishing the hydrologic link between the river channel and the floodplain to the north and to the entire restoration area. Phase II will require the removal of tidegates at the mouth of the Chinook R. as described in the implementation of Phase I project.

The Chinook River supports populations of 5 anadromous salmonid species: coho, fall chinook, chum, steelhead, and searun cutthroat trout. Present abundance of all salmonid species in the Chinook River watershed is significantly reduced from historic levels. Chum, chinook, and steelhead are listed as threatened under the ESA and searun cutthroat will soon be listed as well. Loss of estuarine function is considered to be one of the primary reasons for the current status of these populations. Also, recent monitoring has suggested that the Chinook River estuary is likely an important rearing habitat for juvenile salmonids originating from other areas in the Columbia River Basin.

Project Ref	Grantee	Project Name	State
00-1909-2001	WA IAC	Cedar Creek At Amboy Road	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-01-FEB-02	Salmon Habitat Protection and Restoration	$220,492	$0	Lower Columbia

Project Description

The project is located in the Lewis River Watershed and is just north of the Town of Yacolt. The project consists of replacing the culvert on Cedar Creek under Amboy Road. This mainstem culvert is a seasonal barrier to fish passage. The replacement culvert will have a much wider span and be filled with streambed rock allowing natural stream characteristics to develop within the culvert. Removal of this barrier will open four (4) miles of quality habitat and will enhance rearing and spawning opportunities leading to an increase in survival and reproduction rates for salmon.

The Salmon and Steelhead Habitat Limiting Factors, WRIA 27 states that "Cedar Creek provides the majority of spawning and rearing habitat left in the Lewis River system for coho and steelhead". In addition, the WDFW has a draft set of goals for Cedar Creek to protect, restore, and enhance the production and diversity of salmonids in the area These goals include fish movement into new habitat.

Steelhead, coho, and sea-run cutthroat trout are known to utilize the project area. Steelhead are listed as threatened, coho are candidates species, and the sea-run cutthroat are proposed for listing. In addition, there may be Chinook salmon present in the vicinity of the project. Chinook is listed as threatened. All four species are considered "depressed" by the WDFW.

Project Ref	Grantee	Project Name	State
00-1912-2001	WA IAC	Skook Creek Barrier Removal Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-01-31-DEC-05	Salmon Habitat Protection and Restoration	$334,892	$0	Lower Columbia

Project Description

The project is located in Skook Creek, a tributary to the Cowlitz River near Ethel, Washington. With a drainage area of 2,645 acres above the barrier, the objective is to provide fish passage by removing two (2) existing 48 -inch diameter culverts, and concrete apron with an 8-foot hydraulic drop. A new 20-foot span bottomless culvert, designed stream bed, log control weirs, and stream side tree plantings are proposed. Construction will be completed during the fish window of one construction season. Visual fish monitoring by local volunteers and juvenile sampling by Lewis County will continue for three (3) years.

The barrier is located 1.1 miles upstream from the confluence with the Cowlitz River. Removal of this barrier will open 10.8 miles of Skook Creek's main stem and tributaries, including 4.2 miles of spawning and rearing habitat historically used by anadromous fish. Currently, steelhead, coho and cutthroat trout are known to use the stream reach below the barrier. Under ESA, steelhead trout are listed as a threatened species while coho salmon and cutthroat trout are being considered as candidates for federal listing. These species are considered "depressed" by the WDFW.

This project addresses the primary issue identified in the Draft Limiting Factors for WRIA 26, access to spawning and rearing habitat. Other enhancements in the basin include water quality protection of 370 acres in the Skook Creek headwaters through nutrient management programs.

Project Ref	Grantee	Project Name	State
00-1914-2001	WA IAC	Entiat River Road Barrier Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	04-JUN-01-30-NOV-04	Salmon Habitat Protection and Restoration	$97,235	$0	Upper Columbia

Project Description

This project will replace an existing fish block culvert on Chelan County Road #94470 (Enitat River Road) with a bottomless arch, thereby allowing steelhead and juvenile spring Chinook Salmon immediate access to one half mile of properly functioning rearing habitat in lower Stormy Creek -- a significant, perennial tributary to the mid-Entiat River. This project will provide lower high water velocities, remove a hydraulic step, and provide resting pools for migrating fish. It will also provide the impetus to correct fish passage problems at two (2) additional upstream culverts, ultimately opening up a total of 2.0 miles of rearing habitat in Stormy Creek. The mid-Entiat River provides the majority of anadromous spawning habitat within the sub-basin. The Entiat River is one of four upper Columbia River tributaries that support anadromous Pacific salmonids. This application is being submitted because the cost of this project is presently beyond the means of Chelan County. The project is supported by a variety of cooperators including Chelan County, Chelan County Conservation District, Entiat ESHB 2514 Planning Unit, Washington Department of Ecology, WDFW, USDA Forest Service, Washington Conservation Corps, and U.S. Fish & Wildlife Service. Several recent analyses culminating in the WCC Limiting Factors Analysis (1999) have identified this project and project area as a high priority to address the primary limiting factor -- lack of juvenile rearing habitat in the Entiat.

Project Ref	Grantee	Project Name	State
01-1207-2001	WA IAC	Noschka Rd. North Fish Passage Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JAN-01-30-NOV-03	Salmon Habitat Protection and Restoration	$20,000	$0	Washington Coastal

Project Description

This project will replace two existing culverts with an 8 foot diameter culvert installed at a 1% slope and countersunk 20% to provide more natural stream flow characteristics and unimpeded fish passage. According to Todd Walker, DNR Regional Biologist, this project would open up approximately one mile of upstream habitat. DNR has replaced several upstream culverts and has other fish enhancement projects in this drainage, so this project would mesh well with their upstream work.

Project Ref	Grantee	Project Name	State
01-1214-2001	WA IAC	Icicle/Wenatchee Habitat Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-06	Salmon Habitat Protection and Restoration	$1,337,800	$0	Upper Columbia

Project Description

This acquisition project will permanently protect the wetland and riparian complex at the mouth of the Icicle and Wenatchee Rivers. This 50-acre site is the second largest area of undeveloped floodplain on the lower Icicle and is one of the most important salmonid spawning and rearing areas in the region. This area is subject to rapid and extensive development pressure in the Leavenworth area. Protection of this site would also complement and enhance an adjacent 22-acre site owned by the Dept. of Fish and Wildlife.

Project Ref	Grantee	Project Name	State
01-1218-2001	WA IAC	Baxter Creek Culvert Replacment Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JAN-03-30-SEP-06	Salmon Habitat Protection and Restoration	$447,100	$0	Lower Columbia

Project Description

This project will replace a fish barrier culvert with a bottomless arch culvert and natural channel. The project is located at Baxter Creek (type 3 stream, 3.5 square mile basin), about ½ mile upstream of the confluence with Arkansas Creek (type 1 stream). There is about five (5) miles of spawning and rearing habitat upstream of the culvert in the mainstem of Baxter Creek and its tributaries. The culvert may be a complete barrier to adult and juvenile coho.

Project Ref	Grantee	Project Name	State
01-1219-2001	WA IAC	Lambert Creek Barrier Removal Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-01-NOV-06	Salmon Habitat Protection and Restoration	$556,000	$0	Lower Columbia

Project Description

This project will provide fish passage by removing the existing 8' x 6' concrete box culvert with 6 foot outfall drop and replace it with a precast bridge, log weir grade control and streamside tree plantings. The existing culvert poses a barrier to migrating anadromous fish 90% of the time and is a 100% barrier to juvenile and resident fish. The barrier is located 0.24 miles upstream of the confluence with the Cowlitz River. Removal of this barrier will open more than 4,700 meters of high quality spawning and rearing habitat. Currently, steelhead, coho and cutthroat trout use the stream below the barrier.

Project Ref	Grantee	Project Name	State
01-1224-2001	WA IAC	Tucannon River Diversion Screens	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-31-DEC-05	Salmon Habitat Protection and Restoration	$199,838	$0	Lower Snake

Project Description

Project targets 40 diversion pump screens and one (1) gravity flow diversion screen. Current landowner interest reflects eight (8) landowners and 32 screens. Project will bring screens into compliance, providing enhanced juvenile survival during rearing and migration for four (4) listed stocks, spring and Chinook, bull trout and steelhead. The screening program will assess current diversion conditions, identify required upgrades, and install appropriate screens. The project will cost share with landowners who enroll in WDFW's Voluntary Screen Compliance Program through the Columbia Conservation District.

Project Ref	Grantee	Project Name	State
01-1226-2001	WA IAC	WDFW Wm T Wooten Riparian Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-31-MAR-06	Salmon Habitat Protection and Restoration	$206,014	$0	Lower Snake

Project Description

This project will address riparian restoration by planting native tree species in 180-foot wide buffers along 25% of each side of a 12-mile reach of the Tucannon and 2.5 miles of Cummings Creek. This will provide future shade, addressing one of the limiting factors for salmon recovery of high stream temperatures due to lack of riparian cover. The Tucannon R. & Cummings Cr. on WDFW's Wooten Wildlife Area are home to three (3) listed fish species and has degraded riparian habitat due to floods, past farming, grazing, logging, roads, and concentrated public use.

Project Ref	Grantee	Project Name	State
01-1230-2001	WA IAC	LWD Placement on SF Touchet River	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	21-OCT-02-15-OCT-05	Salmon Habitat Protection and Restoration	$189,000	$0	Middle Columbia

Project Description

This project will accelerate watershed restoration in the 8,678 acre Rainwater Wildlife Area by adding channel roughness and encouraging floodplain stability. Whole trees with rootwads and large woody debris will be placed in the channel to mimic natural recruitment found in a healthy forested riparian ecosystem. The draft (March 2001) Watershed Management Plan documented the existing conditions, desired future conditions (DFC) and objectives, and management strategies for achieving DFC's. Limiting factors for the natural production of summer steelhead, bull trout, and resident rainbow trout include poor riparian conditions: roads constraining floodplain function, lack of mature hydrophytic vegetation, canopy closure; fair streambank stability; poor width:depth ratio; lack of large woody debris; and poor large pool frequency and quality.

Project Ref	Grantee	Project Name	State
01-1236-2001	WA IAC	Beatty Creek Barrier Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-01-SEP-06	Salmon Habitat Protection and Restoration	$243,750	$0	Washington Coastal

Project Description

This project will remove one spillway and two culverts, excavate accumulated sediments, and install an 80 foot long by 14 foot wide steel fabricated bridge. The pond and stream will be excavated to allow habitat restoration. Stream-bed controls will be installed at a 5% slope from the downstream channel, through the pond and 100 feet upstream of the pond. Total length of channel restoration is 300 feet. The removal of these obstacles would make approximately 1.33 miles of stream available to coho, steelhead, and cutthroat.

Project Ref	Grantee	Project Name	State
01-1264-2001	WA IAC	Barker Creek Corridor Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-AUG-02-31-MAR-06	Salmon Habitat Protection and Restoration	$761,000	$0	Puget Sound

Project Description

This project will acquire 54 acres of conservation easements and 50 acres of real property along the stream corridor. These are phases 2 and 3 of a 4-phase project which began with the purchase of Three Springs property in 2000. This parcel contributes 13% of the total streamflow. Purchase of the parcel was contingent on an agreement that the local community pursue protection of the entire riparian corridor. It will address the effects of logging, a rapidly developing urban growth area, and increased taxes which could force some landowners to sell land they would otherwise prefer to preserve.

Project Ref	Grantee	Project Name	State
01-1267-2001	WA IAC	Minter Creek Watershed Fish Passage Res.	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	13-APR-02-31-DEC-05	Salmon Habitat Protection and Restoration	$665,882	$0	Puget Sound

Project Description

This project uses a "watershed-based approach" to identify & remove 5 culverts & replace them with structures that allow unimpeded fish passage at all life stages. The sites are located through out Minter Cr. basin & its tributaries and were identified by the Pierce Conservation Dist. in 2001. Additionally, this project will allow downstream migration of streambed material, upstream movement of nutrients in the form of salmon carcasses, & reduce the risk of road failure.

Project Ref	Grantee	Project Name	State
01-1278-2001	WA IAC	Glud's Pond Fish passage Improvements	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	31-MAY-03-31-MAR-06	Salmon Habitat Protection and Restoration	$830,872	$0	Puget Sound

Project Description

This project will realign South Fork Steele Creek through the Glud's Pond area. Two (2) ponds will be removed and replaced with a meandering channel, thus discontinuing the use of two (2) barrier culverts. The total channel length will increase by 40 feet and the width will average 12 feet. A series of three (3) log sills will provide grade control and allow fish passage. Small plunge pools will be located below each log sill with woody debris located at meander bends.

Project Ref	Grantee	Project Name	State
01-1284-2001	WA IAC	Middle Green River - Kanaskat	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-APR-02-01-FEB-07	Salmon Habitat Protection and Restoration	$795,000	$0	Puget Sound

Project Description

This project will acquire 153.5 acres along the Middle Green River. In order to implement this large-scale restoration effort, parcels to be restored must be publicly owned. In the last five (5) years, over 700 acres of land have been protected along the Middle Green generating a lot of momentum to preserve the remaining unprotected tracts.

Project Ref	Grantee	Project Name	State
01-1293-2001	WA IAC	Middle Green River	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	30-JUL-02-30-AUG-04	Salmon Habitat Protection and Restoration	$1,011,000	$0	Puget Sound

Project Description

The project will acquire 110 acres. Preserving this area would facilitate the implementation of fish habitat restoration projects associated with the Green/Duwamish River Ecosystem Restoration Project sponsored in partnership by the Corps, King County, and many other jurisdictions. In order to implement this large-scale restoration effort, parcels to be restored must be publicly owned.

Project Ref	Grantee	Project Name	State
01-1302-2001	WA IAC	Skokomish River Tide Gate/Culvert	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-OCT-03	Salmon Habitat Protection and Restoration	$148,530	$0	Puget Sound

Project Description

This project will remove tide gates, replace culverts, & breach dikes within a diked agricultural area that was formerly part of the estuary, near Skokomish R. mouth, within the reservation. Other restoration will include removal of scotch broom, & planting sweetgrass. Tacoma Public Utilities owns other portions held in fee status. The project will implement recommendations of a 1995 Army Corps of Engineers study. This project will also initiate a long-term monitoring study that will provide information on estuary rehabilitation & adaptive management.

Project Ref	Grantee	Project Name	State
01-1309-2001	WA IAC	SF Pysht River Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	31-MAY-02-31-DEC-04	Salmon Habitat Protection and Restoration	$131,900	$0	Puget Sound

Project Description

The project will restore rearing & spawning habitat (Coho, chum, cutthroat, steelhead) in the S.F. Pysht River. It builds upon previous, adjacent restoration work on Merrill & Ring's (MR) land in the watershed. Phase 1 will remove a fish barrier blocking access to a 1 ac pond/wetland & 1,200' of stream (fully funded by M&R, exclusive of match); construct a channel between the pond & Pysht R. for fish passage & spawning, replace the currently-used ditch; & place LWD along 3,000' of the River.

Project Ref	Grantee	Project Name	State
01-1317-2001	WA IAC	Mooney Creek Barrier Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-APR-02-31-DEC-05	Salmon Habitat Protection and Restoration	$188,296	$0	Washington Coastal

Project Description

This project will replace a culvert on Mooney Creek, a tributary to the Wynoochee River at river mile 6.9. Mooney Creek would provide over 4.3 miles of stream habitat if the blockage were removed. A survey of the stream indicates it could support coho and chum salmon, steelhead, and cutthroat trout. Local residents claim this stream supported spawning salmonids prior to the current culvert installations. The riparian vegetation is abundant with deciduous and conifer trees as well as overhanging brush. The upper portions of the stream have large beaver ponds and wetland, providing good fish rearing.

Project Ref	Grantee	Project Name	State
01-1318-2001	WA IAC	Steelhead Creek Barrier Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-APR-02-31-DEC-05	Salmon Habitat Protection and Restoration	$39,200	$0	Washington Coastal

Project Description

This proposed culvert replacement is on Steelhead Creek, a tributary to the Wynoochee at river mile 9.2. Steelhead Creek would provide two (2) miles of fish habitat if the blockage were removed. A survey of the stream indicates it could support coho, cutthroat trout, and steelhead as well as juvenile species of other salmonids. The riparian vegetation is excellent wih deciduous, conifer trees, and dense brush. The upper portions of the stream have large beaver ponds and wetlands--providing good fish rearing habitat.

Project Ref	Grantee	Project Name	State
01-1320-2001	WA IAC	Noschka Rd South Fish Passage Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JAN-01-30-NOV-03	Salmon Habitat Protection and Restoration	$28,052	$0	Washington Coastal

Project Description

This project will replace an existing 1.5 foot diameter culvert with an 8 foot diameter culvert installed at a 1% slope and countersunk 20% to provide more natural stream flow characteristics and unimpeded fish passage. Weirs will be added in-stream to reduce the possibility of head cutting. According to Todd Welker, DNR fish biologist, approximately 3/4 mile of upstream habitat would be opened by removal of this barrier. DNR has replaced their culvert upstream of this site and has other fish enhancement projects within this drainage that would complement this project.

Project Ref	Grantee	Project Name	State
01-1343-2001	WA IAC	Jones Bend Reach - Cedar River	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAY-02-30-APR-05	Salmon Habitat Protection and Restoration	$255,000	$0	Puget Sound

Project Description

This will acquire 7.5 acres within an overall 35 acres reach which extends from RM 8.4 to 9.2. Chinook surveys conducted in 1999, 2000, and 2001 documented chinook redds throughout this reach. A 75-acre protected area exists opposite the target parcels and through additional land acquisition, this project helps further the goal of protecting habitat-forming processes. The Cedar River supports the only documented run of native Chinook in the WRIA. In addition, the Cedar provides habitat for sockeye, coho, steelhead, and resident trout.

Project Ref	Grantee	Project Name	State
01-1344-2001	WA IAC	Cold Creek Natural Area	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAY-02-01-APR-04	Salmon Habitat Protection and Restoration	$289,000	$0	Puget Sound

Project Description

The Cold Creek Project will protect 5.6 acres, adding to 157 acres that have already been protected within the 300-acre Cold Creek Natural Area. The two targeted parcels on Cold Creek are vacant forested parcels. Cold Creek is the largest of many groundwater springs in the Natural Area, which provide a constant source of cold water to Cottage Lake Creek.

Project Ref	Grantee	Project Name	State
01-1345-2001	WA IAC	Carey Creek Ranch - Issaquah Waterways	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAY-02-01-AUG-04	Salmon Habitat Protection and Restoration	$60,000	$0	Puget Sound

Project Description

This project's goal is to protect ten (10) acres through a conservation easement as much of the forested riparian area and adjacent uplands as possible. It is located in the Issaquah Creek Basin downstream of SR18 and upstream of the confluence of Carey and Holder Creeks. The target area has large amounts of LWD, a wide forested riparian zone, great pool - riffle ratio, an elk herd, and freshwater mussels. Carey Creek is identified as a core area for Chinook production in WRIA 8.

Project Ref	Grantee	Project Name	State
01-1366-2001	WA IAC	Powerline Channel	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-APR-02-31-DEC-05	Salmon Habitat Protection and Restoration	$255,000	$0	Puget Sound

Project Description

This project restores/reconnects both spawning and rearing habitat by excavating a large groundwater fed pond at the head of an abandoned river slough, that has been altered or lost due to human-caused activities. An identical project of like size (7500 m2) in this river reach has quickly produced fish in virtual excess of it's capacity.

Project Ref	Grantee	Project Name	State
01-1387-2001	WA IAC	Lower Skokomish River Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	25-MAY-02-31-DEC-05	Salmon Habitat Protection and Restoration	$223,329	$0	Puget Sound

Project Description

This is an acquisition of 160 ac in lower river floodplain habitat of the Purdy-Weaver Wetland (PWW) in lower Skokomish Valley & 1 mile of the Skokomish River. Chinook, chum, coho, cutthroat, & steelhead presently spawn and/or rear here. Bull trout are also present in the Skokomish, & an anadromous population may be present as well. ESA-listed summer chum historically spawned in Purdy Creek & the Skokomish watershed historically possessed a pink salmon population.

Project Ref	Grantee	Project Name	State
01-1394-2001	WA IAC	Lower Big Quilcene N Bank Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-APR-02-01-JUL-04	Salmon Habitat Protection and Restoration	$129,383	$0	Puget Sound

Project Description

This will acquire 2.5 acres (11 residential lots) on the north bank of the Quilcene River at RM 0.5. It implements top salmon recovery priorities listed in the Summer Chum Conservation Initiative and the HCCC Salmon Recovery Strategy. The acquisition will improve habitat for threatened summer chum and Puget Sound Chinook, along with coho, steelhead, and cutthroat. The project will purchase three (3) contiguous parcels and demolish one (1) home. These parcels will comprise a portion of nearly continuous public ownership from the mouth to Rogers Street. Dike setback/removal will occur later.

Project Ref	Grantee	Project Name	State
01-1405-2001	WA IAC	Willow Creek Aquatic Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-AUG-02-31-MAR-06	Salmon Habitat Protection and Restoration	$189,772	$0	Pend Oreille

Project Description

This project will improve salmonid habitat by decomissioning 8.4 miles of unstable USFS roads that were closed to the public in 1996 to protect grizzly bear habitat. Problems include: a chronic source of sediment to the streams from mass wasting, undersized and plugged relief culverts, non-functioning ditchlines, and culverts blocking fish passage. Benefits would be protection and enhancement of existing adfluvial bull trout and resident Westslope Cutthroat spawning/rearing habitat. The project would make 5,100 acres, including 6 miles of stream, accessible to fish.

Project Ref	Grantee	Project Name	State
01-1424-2001	WA IAC	Thomsen Fencing/Riparian Planting	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-AUG-02-01-DEC-05	Salmon Habitat Protection and Restoration	$29,000	$0	Puget Sound

Project Description

This project will improve the health of McAllister Creek by installing about 20,000 linear feet of fence along McAllister Creek and some of the larger drainage ditches that flow into McAllister Creek. In addition to fencing, this project will include the planting of native plants in several areas along McAllister Creek that flows through the Thomsen Farm.

Project Ref	Grantee	Project Name	State
01-1426-2001	WA IAC	LeBar Ck Rd Decommisioning/Stabilization	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-APR-02-01-NOV-05	Salmon Habitat Protection and Restoration	$298,350	$0	Puget Sound

Project Description

This project will decommission 7.04 miles of road and stabilize 12 miles thus minimizing road-related delivery of large quantities of coarse and fine sediment inputs to resident and anadromous spawning and rearing habitat in LeBar Creek and the lower South Fork Skokomish River. Objectives are to improve hillslope hydrology and reduce the potential for management-related mass wasting and surface erosion from roads, which have many large stream crossings and unstable fills. These roads were identified in the Olympic NF Road Analysis as having high/very high risk to aquatic resources.

Project Ref	Grantee	Project Name	State
02-1583-2001	WA IAC	Deep Cr & SF Pysht Riv LWD Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JAN-04-30-APR-07	Salmon Habitat Protection and Restoration	$619,675	$0	Puget Sound

Project Description

This project involves placing large wood in Deep Creek and the Pysht River. In Deep Creek, 6 channel spanning logjams will be completed between river mile 0.2-1.3. For the SF Pysht, large wood will be placed as free key pieces and as constructed logjams. Plain bed channel reaches will be targeted for placement in river mile 0.0-0.5, 0.8-3.5, and 4.0-5.5. These are the remaining untreated reaches following previous cooperative restoration projects between Merrill & Ring and the Tribe.

Project Ref	Grantee	Project Name	State
02-1614-2001	WA IAC	Snow Mtn Ranch Acq & Barrier Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	11-SEP-03-01-JUN-05	Salmon Habitat Protection and Restoration	$670,000	$0	Yakima

Project Description

This project proposes to acquire two (2) parcels of the Snow Mountain Ranch (~312 acres) that encompass the South Fork Cowiche Creek (tributary to the Naches River), its floodplain, associated wetlands, and the ranch's irrigated agricultural lands. This project will implement riparian and floodplain restoration, fish barrier removal, and instream flow improvements. The removal of the fish barrier will open access to the rest of the Cowiche Basin (20+ miles) for juvenile and adult steelhead, coho, and Chinook.

The Yakima River Basin Watershed Assessment states, "The Cowiche Creek system is considered to have good to excellent rearing habitat with adequate cover, especially in the South Fork." The Northwest Power Planning Council Salmon and Steelhead Production Plan (1990) discusses other habitat factors in Cowiche Creek noting, "Riparian vegetation is dense along most reaches; stream banks are stable and there are sufficient spawning gravels." Pools and riffles are also relatively abundant on the South Fork of Cowiche Creek. The Yakima Basin Limiting Habitat Factors Analysis reported, "Cowiche Creek as having major steelhead and coho production potential, minor spring Chinook production potential, and having high restoration potential if fish passage problems were corrected."

Project Ref	Grantee	Project Name	State
04-1438-2001	WA IAC	Close Property Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Salmon Habitat Protection and Restoration	$178,398	$0	Puget Sound

Project Description

This project will acquire nearly 560-feet of high quality nearshore habitat. The Close Property features an active feeder bluff, mature mixed-stand marine riparian forest, and a mixed-course sediment beach with large woody debris, sorted sediments, and associated aquatic habitats. The nearshore in the project area has been documented to support a great diversity of salmonid species and important prey resources, including chinook, chum, coho, pink, cutthroat, steelhead, sand lance, surf smelt, and herring. The project area may support other salmonid species, such as bull trout. This project will protect on-site habitats and functions important to the success of salmonids and their prey resources in the nearshore. Based on the Bainbridge Island Nearshore Assessment, a SRFB funded project, we know the Close Property is a priority conservation area located within an at-risk drift-cell. The project is important to maintaining properly functioning conditions along a drift-cell that contains very sensitive habitats, including a stream subestuary/lagoon, a pocket estuary, and forage fish spawning areas. The Close Property is at-risk of being sold & developed, but can become a significant part of a larger system of nearshore and terrestrial habitat conservation if acquired. This grant request will contribute to the acquisition of the nearshore portions (i.e. intertidal and marine riparian habitat) of the 64-acre Close Property, which abuts the 318-acre Gazzam Lake Park and Wildlife Preserve.

Project Ref	Grantee	Project Name	State
00-1002-2000	WA IAC	Reestablish Access to Tucker Creek	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	30-JUN-00-31-OCT-05	Salmon Habitat Protection and Restoration	$0	$53,200	Yakima

Project Description

This project will restore fish access to Tucker Creek, which is a forested tributary that enters the Yakima River near Easton in Kittitas County. A present, a concrete flume at mile 0.7 completely blocks access to productive spawning and rearing habitat for summer steelhead and coho salmon. This project will provide cost-share with funds from the Bonneville Power Administration for design and construction of a fishway at the barrier. As a result, coho and steelhead will regain access to more than a mile of high quality forested habitat. The reconnected reach is intact relative to much of the basin, with an abundance of pools, spawning riffles, and large woody debris. Project partners include the Yakama Nation Fisheries Program, Bonneville Power Administration, and WDFW.

Project Ref	Grantee	Project Name	State
00-1003-2000	WA IAC	Reestablish Access to Lower Wilson Creek	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-30-NOV-04	Salmon Habitat Protection and Restoration	$0	$108,266	Yakima

Project Description

Wilson Creek is a 382 square mile watershed that enters the Yakima River at RM 147. At present, diversion structures near the mouth of the Creek have blocked anadromous fish access to most of the watershed. However, juvenile densities below the barriers are high relative to the rest of the Yakima basin. This project will remove two (2) gravity-fed diversion structures, and consolidate and screen four unscreened irrigation diversion points to prevent fish entrainment. Spawning and rearing habitat will increase by approximately five (5) miles. The project will also remove invasive riparian vegetation, provide fencing, and plant native riparian plants to establish of a productive riparian habitat. The landowner has agreed to provide an area for riparian plant propagation. Seeds and cuttings of desired plants will be sown, irrigated, and maintained in the propagation area until they are ready for transplanting to the stream bank. The project will serve as an example of positive collaboration between private landowners, tribal biologists, and the Conservation District.

Project Ref	Grantee	Project Name	State
00-1004-2000	WA IAC	Union Gap Reach Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-31-MAY-05	Salmon Habitat Protection and Restoration	$0	$500,000	Yakima

Project Description

SRFB funding supports acquisition of high quality riparian and floodplain habitat and associated water rights on a key reach of the Yakima River. The "Yakima City" reach was identified as essential to salmonid survival in the Yakima Basin due to the presence of extensive groundwater upwelling zones. The reach contains extensive floodplain habitat and critical rearing and over-wintering sites for juvenile salmon, many of which are federal or state listed. Loss of floodplain habitat since the late 19th century has been a major factor limiting survival of juvenile fish in the Yakima River. Project cooperators include the Bureau of Reclamation and the Yakama Nation Fisheries Department. The Nature Conservancy will manage and maintain the properties in accordance with the Bureau's Basin Conservation Plan.

Project Ref	Grantee	Project Name	State
00-1015-2000	WA IAC	West Valley Community Park	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	03-APR-00-31-OCT-03	Salmon Habitat Protection and Restoration	$0	$22,098	Yakima

Project Description

The project will improve degraded habitat conditions on 3/4 mile of Wide Hollow Creek, a tributary of the Yakima River in Yakima County. Project elements include removing a dike and constructing an overflow channel to reestablish floodplain functions. Other project elements include public education about salmon habitat requirements, and restoring natural conditions through exotic species removal and planting of native trees and shrubs in the riparian zone. The project will improve habitat for coho and steelhead. Project supporters include WDFW, and the North Yakima Conservation District.

Project Ref	Grantee	Project Name	State
00-1032-2000	WA IAC	Washougal River: Slough Creek Riparian	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-01-JUN-02	Salmon Habitat Protection and Restoration	$0	$131,173	Lower Columbia

Project Description

Project funding is for acquisition of high quality salmon rearing habitat and cold-water refuge and spawning beds for steelhead, sea-run cutthroat, chinook and coho salmon along portions of Slough Creek and the Washougal River in Clark County. Approximately 18 acres and 2,800 lineal feet of high quality riparian habitat that is highly threatened by development will be secured through purchase and donation of a conservation easement. Project supporters include WDFW, the Camas-Washougal Wildlife League, and Habitat Partners. Protection of this land will prevent future development and destruction of riparian vegetation and habitat conditions. This property is immediately downstream from over 400 acres and 8,000 lineal feet of high quality habitat that will be acquired and protected by WDFW, ensuring greater protection of this investment.

Project Ref	Grantee	Project Name	State
00-1033-2000	WA IAC	Birnie Creek Una Road Fish Passage	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-15-MAR-05	Salmon Habitat Protection and Restoration	$0	$83,734	Lower Columbia

Project Description

The project will modify a box culvert to provide fish passage and improve the downstream grade. The blocking culvert is in the city of Cathlamet, at river mile 0.1 on Birnie Creek. The creek flows through Cathlamet and is a tributary to the Columbia River. This culvert is presently a barrier to fish passage - at low flow this culvert is a depth barrier, and at high flow a velocity barrier. When this project is completed, coho, steelhead and cutthroat will be able to access over 7,000 square miles of spawning habitat and 28,000 square miles of rearing habitat. WDFW and the city of Cathlamet are cooperating on this project. The project is part of a larger effort to correct other barriers in the creek system.

Project Ref	Grantee	Project Name	State
00-1034-2000	WA IAC	So. Fork Toutle	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-MAY-00-30-JUN-03	Salmon Habitat Protection and Restoration	$0	$42,154	Lower Columbia

Project Description

Project funding will support restoration on Brownell Creek, a tributary to the South Fork Toutle River in Cowlitz County. The project will reconstruct fish passage and open up five (5) miles of creek by removing a landslide, and installing a new fish ladder and intake screen. This work will also enable natural salmon spawning in the upper creek. The 1980 eruption of Mount St. Helens decimated many salmon populations in the area by destroying important habitat. Since that time, the Cowlitz Game & Anglers have worked to restore the fishery and habitat. Long term goals are to rebuild the wild steelhead and coho runs that historically used this area.

Project Ref	Grantee	Project Name	State
00-1036-2000	WA IAC	DuPuis Chelatchie Creek Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-01-SEP-03	Salmon Habitat Protection and Restoration	$0	$34,671	Lower Columbia

Project Description

SRFB funding will support restoration of degraded salmonid spawning habitat and improve stream complexity on 0.4 miles of Chelatchie Creek, in the Cedar Creek Watershed in Clark County. This watershed provides the majority of spawning and rearing habitat left for all species of anadromous fish in the North Fork Lewis River system. Chinook and steelhead (federal threatened), coho, and cutthroat are present in this system. The area proposed for restoration has historically provided excellent salmon spawning and rearing habitat. However, this habitat has become degraded due to removal of large woody debris (LWD) and sedimentation on spawning gravels. This project will create in-stream spawning beds anchored by large rock vanes, and will place root wads and other LWD.

Project Ref	Grantee	Project Name	State
00-1038-2000	WA IAC	Duncan Creek Dam Fish Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-28-FEB-01	Salmon Habitat Protection and Restoration	$0	$148,344	Lower Columbia

Project Description

This project will restore anadromous salmonid passage through a dam located at the mouth of Duncan Creek, in Skamania County. In its current condition, the dam is a complete barrier to chum salmon passage and a partial barrier to coho salmon and steelhead passage. The Skamania Land Owners Association (SLOA) will restore fish passage by replacing an existing six-foot diameter culvert with an open concrete flume fishway. This project restores access to historical chum salmon spawning in springs and seeps along the perimeter of Shahala Lake and an additional stream bed of coho and steelhead spawning and rearing habitat along Duncan Creek. Duncan Creek is one of only a handful of streams on the Columbia that have historically supported chum production. WDFW and SLOA residents will monitor the project by conducting annual fish counts and regularly inspecting habitat.

Project Ref	Grantee	Project Name	State
00-1039-2000	WA IAC	Swift-Killian-Sargent Cedar Crk. Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-01-SEP-03	Salmon Habitat Protection and Restoration	$0	$102,179	Lower Columbia

Project Description

This project will restore degraded salmonid spawning habitat, improve stream complexity, and recover and restore rearing habitat on 1.7 miles Cedar Creek, a tributary of the North Fork Lewis River in Clark County. The Cedar Creek watershed provides the majority of spawning and rearing habitat left for all species of anadromous fish in the North Fork Lewis River system. Chinook and steelhead (federal threatened), coho, and cutthroat are present in the Cedar Creek watershed. Although the area proposed for restoration has historically provided excellent spawning and rearing habitat, it has become degraded due to removal of most LWD. This has resulted in loss of stream complexity, sedimentation on spawning gravel, and loss of access to high quality rearing habitat. This project will create in-stream spawning beds anchored by large rock vanes, add root wads and other LWD, and recover several lost rearing areas.

Project Ref	Grantee	Project Name	State
00-1040-2000	WA IAC	Lower Columbia River Estuary: Chinook	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-28-FEB-05	Salmon Habitat Protection and Restoration	$0	$375,000	Lower Columbia

Project Description

SRFB funding will support restoration of 850 acres of estuarine wetlands and two miles of river and riparian habitat in the Chinook Estuary in Pacific County near Ilwaco. Restoration activities will include removing tidegates, filling drain ditches, restoring tidal swales, reforesting riparian areas, and building a new levee with sufficient tidegates to protect nonparticipating landowners. The Chinook River is home to coho, chinook and chum salmon, steelhead, and searun cutthroat trout. The Chinook River Estuary, at the Lower Columbia River, provides critical habitat for all Columbia Basin Salmonids. The estuary provides the last feeding and rearing habitat for juvenile salmonids prior to entering the Pacific Ocean. Restoring tidal function to this estuary will improve habitat conditions within the Chinook River Estuary and Baker Bay. Project partners include Ducks Unlimited, USFWS, WDFW, Columbia Land Trust, and the NRCS.

Project Ref	Grantee	Project Name	State
00-1041-2000	WA IAC	Carter-Malinowski-Shimano Cedar Creek	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-01-SEP-03	Salmon Habitat Protection and Restoration	$0	$66,421	Lower Columbia

Project Description

This project will restore degraded salmonid spawning habitat, improve stream complexity, and recover and restore rearing habitat on 0.4 miles of Cedar Creek, a tributary of the North Fork Lewis River in Clark County. The Cedar Creek watershed provides the majority of spawning and rearing habitat left for all species of anadromous fish in the North Fork Lewis River system. Spawning and rearing habitat has become seriously degraded due to past removal of most LWD. This has resulted in loss of stream complexity, sedimentation on spawning gravel, and loss of access to high quality rearing habitat. This project will continue work done in 1999 by developing in-stream spawning beds anchored by large rock vanes, adding root wads and other LWD, and recovering lost rearing areas.

Project Ref	Grantee	Project Name	State
00-1042-2000	WA IAC	Lower Columbia - Grays River Estuary	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-03-MAR-05	Salmon Habitat Protection and Restoration	$0	$83,000	Lower Columbia

Project Description

This project will acquire and restore 112 acres of estuarine wetlands and two (2) miles of river and riparian habitat in the Grays River Estuary along the Lower Columbia River in Wahkiakum County. The Grays River is home to ESA-listed Chinook, chum, and steelhead, as well as coho and searun cutthroat trout. Restoration elements include restoring tidal function to the estuary by partially breaching levees and removing culverts. Goals are to improve estuarine salmon nursery habitat, improve water quality, and increase salmon productivity in both the Grays River and Columbia River estuaries. Project partners include WDFW and Ducks Unlimited.

Project Ref	Grantee	Project Name	State
00-1045-2000	WA IAC	Jimmycomelately Bridge	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	31-DEC-00-31-OCT-05	Salmon Habitat Protection and Restoration	$0	$1,340,000	Puget Sound

Project Description

Project funding will support channel reconfiguration and construction of an 85' x 40' bridge over Jimmycomelately Creek where it enters Sequim Bay. This project is a component of a larger effort to restore the creek. The lower reach was moved circa 1913, resulting in a dramatic decrease in the amount of fluvial and tidal energy available to transport sediment in the channel. This energy loss has resulted in severely degraded habitat that negatively impacts Summer chum migration, spawning, and egg incubation. The instability of the channel is so severe that partial or total blockages to fish passage occur at the point at which the creek enters the bay. The creek no longer has the critical estuarine influence that is important for salmon transition during migration. Project goals are to restore the creek to the estuary and restoration of the estuary by removing fill and roads. Project cooperators include Washington Department of Transportation and the JimmyComeLately Work Group.

Project Ref	Grantee	Project Name	State
00-1046-2000	WA IAC	Sekiu River Log Jam Construction	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-01-FEB-05	Salmon Habitat Protection and Restoration	$0	$104,382	Puget Sound

Project Description

This project will construct full-spanning logjams on the Sekiu River in Clallam County to reduce stream energy; trap sediment; and increase cover, holding pools, tail-out spawning areas, and off-channel and side-channel habitat. The Tribe will place instream LWD downstream from the jams where needed to reduce bank destabilization. Past activities and on-going disturbance have created a stream channel that lacks LWD and short-term sources for wood input. The proposed jams will trap wood until the riparian timber grows large enough to resist flushing. The jams will provide significant habitat for salmonids and their prey.

Project Ref	Grantee	Project Name	State
00-1047-2000	WA IAC	Dungeness Water Cons.- Instream Flows	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-00-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$178,526	Puget Sound

Project Description

This project will improve salmon habitat by increasing instream flows (especially during critical low flows) through piping irrigation canals in the Dungeness watershed, in Clallam County. Increasing flows and volumes will help lower water temperatures and improve water quality. Piping the canals will eliminate introduction of coliform and other pollutants into the Dungeness River. The project will benefit all Dungeness River salmon stocks including listed Dungeness Chinook, summer chum, and pink and bulltrout. The Dungeness Valley Agricultural Water Users Association is a project partner.

Project Ref	Grantee	Project Name	State
00-1048-2000	WA IAC	Jimmycomelately Restoration/Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-00-30-JUN-01	Salmon Habitat Protection and Restoration	$0	$133,607	Puget Sound

Project Description

This project will acquire almost six acres of critical salmon habitat at the mouth of Jimmycomelately Creek at Sequim Bay. This effort is a component of a larger protection and restoration program for Jimmycomelately Creek, located in eastern Clallam County. Other funds will support relocating the creek to its historic channel and restoring portions of the estuary. The Creek channel alignment was altered in the early 1900's causing channel aggradation, severe habitat loss, low flows, channel instability, fish passage blockage, scour and fill of redds, and increased flood frequency and severity. Project partners include Clallam County, the Conservation District, WDFW, EPA, USFWS and others.

Project Ref	Grantee	Project Name	State
00-1079-2000	WA IAC	Upper Bear Creek Conservation Area 1	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-31-AUG-03	Salmon Habitat Protection and Restoration	$0	$250,000	Puget Sound

Project Description

This project will protect 791 acres of undeveloped forested land in the headwaters of Bear Creek in Snohomish County through a combination of fee simple ownership and conservation easements. In particular, funding will support acquisition of timber rights to protect the habitat value and water quality in the Bear Creek watershed. The purchase of the timber rights and the underlying fee ownership will permanently protect these headwaters. The property is part of the Paradise Valley Conservation Area, which is a regionally significant natural resource area, and provides habitat for chinook, coho, steelhead, kokanee, and sockeye salmonid species. This property is the largest contiguous undeveloped parcel in the upper Bear Creek watershed. Preservation of this property with intact timber rights is critical to the vitality of salmon habitat in the upper Bear Creek watershed.

Project Ref	Grantee	Project Name	State
00-1081-2000	WA IAC	Bourgault/North Channel Restoration Ph.2	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-MAY-00-01-SEP-05	Salmon Habitat Protection and Restoration	$0	$146,710	Puget Sound

Project Description

Funding will support restoration and maintenance of surface hydrologic connectivity between a historic river meander bend and the Skokomish River during all hydrologic flows throughout the system. The goals of the project are to increase salmon over wintering and summer rearing habitats, as well as increase the available spawning area. The site is located within the Skokomish Indian Reservation boundaries in Mason County, near Hood Canal. Project elements include bank stabilization, reconfiguring the channel, installing engineered log jams, removing exotic invasive vegetation, planting native species, installing sediment and livestock fencing, and salmon carcass placement. Displaced fishers and timber workers from economically distressed counties will work as Resource Technicians to provide labor for this project. Multiple salmon species and stocks are anticipated to make use of this restored area, including ESA listed threatened species Hood Canal summer chum and Puget Sound chinook salmon.

Project Ref	Grantee	Project Name	State
00-1082-2000	WA IAC	Flett Creek Dam Removal Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-01-JUN-02	Salmon Habitat Protection and Restoration	$0	$48,340	Puget Sound

Project Description

Funding will support removal of a dam and dilapidated fish ladder structure on Flett Creek, a tributary to Chambers Creek (WRIA 12) in the city of Lakewood. The fish ladder has undermined and become unstable, and is not passable by salmon. The project will remove the dam and fish ladder, then re-grade the stream back to its original slope. This project will eliminate the last fish passage barrier in the Flett Creek drainage, insuring unimpeded access for chum salmon, coho salmon, and cutthroat inhabiting the stream. There is approximately two miles of habitat above the dam. Project partners include the City of Lakewood, South Puget Sound Salmon Enhancement Group, and the Puyallup Tribe.

Project Ref	Grantee	Project Name	State
00-1084-2000	WA IAC	Dewatto River Riparian Easement Acquisit	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-AUG-00-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$155,000	Puget Sound

Project Description

SRFB funding will support preservation of over 12 miles of main stem river system habitat on Dewatto River in Mason County. The Dewatto River System was the first project of its type in Washington to address restoration and preservation of an entire watershed holistically. In the last two years all major fish passage barriers have been removed from this system. This project is the next step in this effort, and will establish a riparian corridor for the entire river through mapping, surveying, evaluating, estimating, and purchasing conservation easements. This effort will become the prototype for other river systems in the Hood Canal watershed. The Hood Canal Land Trust will provide long-term oversight of the conservation easements.

Project Ref	Grantee	Project Name	State
00-1085-2000	WA IAC	Zarelli Dam/Clover Creek Fish Ladder	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-01-JUN-02	Salmon Habitat Protection and Restoration	$0	$32,540	Puget Sound

Project Description

Funding for this project will allow construction of a concrete fish ladder in an existing weir dam on Clover Creek, in the City of Lakewood. This project will eliminate the need for dam maintenance, and will allow fish passage at all flows. This small weir dam/ponding facility originally served as a water retention facility for a water wheel. The spillway for the weir is a velocity barrier for salmon during some flows and must be monitored frequently to ensure fish passage. Maintenance is difficult as the site is on private property behind a locked gate. This is the last fish passage issue requiring attention on the mainstem of Clover Creek, and will ensure access to nearly seven miles of habitat above the dam for coho salmon, steelhead, and cutthroat trout. Project partners include the City of Lakewood, South Puget Sound Salmon Enhancement Group, and the Puyallup Tribe.

Project Ref	Grantee	Project Name	State
00-1087-2000	WA IAC	Wilcox Flats - Phase 1	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-31-OCT-04	Salmon Habitat Protection and Restoration	$0	$174,441	Puget Sound

Project Description

This project was successful in providing permanent protection to an important salmon habitat area. The Wilcox Flats is a low-lying floodplain area that is cut by several side channels of the Nisqually River. In the late 1970's the area was subdivided onto 40+ small lots.

This project in its original proposal called for the acquisition of 13 parcels totaling 36.5 acres. It was called "phase 1" because we anticipated seeking additional acquisition funds from the SRFB. Ultimately, using cost efficiencies, 19 parcels totaling 51.8 acres were purchased through this grant. Only one property owner, DeGeorge (1.67 acres), refused our offer of appraised value for this property.

In addition to the SRFB funded acquisitions, the Nisqually Land Trust has acquired a number of other parcels in the Wilcox Flats area (see map). In total the protected property in the Wilcox Flats area is 129 acres (42 parcels).

Project Ref	Grantee	Project Name	State
00-1101-2000	WA IAC	Gamble Creek Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	03-APR-00-30-NOV-02	Salmon Habitat Protection and Restoration	$0	$49,167	Puget Sound

Project Description

Gamble Creek in Kitsap County contains excellent coho and chum rearing habitat and limited spawning habitat. However, farming practices impact major portions of the creek. The creek is trampled by livestock, straightened, poorly vegetated, and water temperatures and fecal coliform levels are high. Through long term negotiations with the District, some of the surrounding landowners are now willing to participate in creek restoration. This project will establish conservation easements, re-meander approximately 350 feet of Gamble Creek, and install over 50 logs/root wads and 70 cubic yards of spawning gravel. The project will create access to an additional 1-acre of flood plain, and plant 2.9-acres with native vegetation. Project goals are to improve pool/riffle/run ratios, including the creation of undercut banks and spawning areas.

Project Ref	Grantee	Project Name	State
00-1107-2000	WA IAC	North River Wetland Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-00-01-AUG-05	Salmon Habitat Protection and Restoration	$0	$33,706	Washington Coastal

Project Description

Funding for this project will support restoration and protection of 25 acres of tidal emergent wetland in Pacific County. The site is located 13 miles west of Raymond near the mouth of the North River. The project's primary objective is to restore access to approximately 4,000 linear feet of salmonid spawning habitat and to provide 25 acres of salmonid rearing habitat and refuge area. This refuge area will provide critical rearing habitat for juvenile salmonids making the stressful fresh to salt water transition. Other positive benefits are increased flood water storage, and rejuvenated riparian habitat that increases primary production and insect populations upon which juvenile salmonids depend. This is a cooperative effort between the landowner, WDFW, NRCS Wetland Reserve Program, Ducks Unlimited, Willapa Alliance, Willapa Bay Fisheries Enhancement Group, Columbia-Pacific RC&D, and the Willapa Bay Ecosystem Recovery Initiative.

Project Ref	Grantee	Project Name	State
00-1111-2000	WA IAC	Gorst Creek Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-01-MAR-05	Salmon Habitat Protection and Restoration	$0	$368,150	Puget Sound

Project Description

Funding for this project will support reconfiguring approximately 1000 feet of stream by removing a concrete lined channel and returning the stream to a naturally configured earthen channel. Other project elements include spawning substrate placement, constructing adjacent backwaters and wetlands, in-stream placement of natural log, root wad, rock structures, and planting the riparian zone with native trees and shrubs. Project goals are to augment and improve spawning areas, create rearing and resting areas, enhance overall salmon habitat, and restore natural riparian conditions to provide shade and stabilize the banks. The forested basin upstream of the worksite is in excellent condition. The creek supports fall native chum, mixed stock coho, winter wild steelhead, cutthroat, and hatchery fall chinook. Project supporters include the Kitsap County Public Utility District and the Suquamish Tribe.

Project Ref	Grantee	Project Name	State
00-1112-2000	WA IAC	Marietta Slough Acq. and Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-31-MAY-05	Salmon Habitat Protection and Restoration	$0	$421,925	Puget Sound

Project Description

This project will acquire and restore 530 acres in the lower Nooksack River flood plain containing an estuary rearing area that is critical key chinook habitat. The parcel includes a tidally-influenced mainstem channel, extensive subsidiary and blind tidal channels, wetlands and flood plain. Restoration elements include improving flows and habitat value to 6,000 linear feet of tidally influenced channel; restoring wetland functions to approximately 40 acres of land; restoring native tree and shrub riparian corridors; restoring Silver Creek channel complexity; and reestablishing flood plain connectivity by selective dike/levee removal. Project partners include the U.S. Fish & Wildlife Service, Natural Resource Conservation Service, Ducks Unlimited, the Nooksack Salmon Enhancement Association, and the Lummi Nation.

Project Ref	Grantee	Project Name	State
00-1114-2000	WA IAC	Willapa NWR HQ Stream Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-30-AUG-00	Salmon Habitat Protection and Restoration	$0	$59,717	Washington Coastal

Project Description

This project is a continuation of work started in 1997 to reestablish chum, coho, and sea run cutthroat trout to an unnamed stream, which runs through the Willapa National Wildlife Refuge (WNWR) Headquarters. Previous work focused on removing fish passage barriers, rehabilitating spawning beds and reestablishing a chum salmon use. One tide-gate and three culverts were removed, spawning gravel was placed at one location, and 150,000 chum fry have been released over the past two years. In addition to the released chum fry, 13 juvenile coho salmon have recolonized the stream as a result of barriers being removed. This project will reconfigure the channel, place LWD, enhance and restore one spawning bed. Other efforts supporting this project but being conducted through other funding sources include removal of additional barriers and release 50,000 chum fry through the use of remote site incubators.

Project Ref	Grantee	Project Name	State
00-1116-2000	WA IAC	Johnson Creek/Mosquito Lk. Rd. Culvert	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$19,876	Puget Sound

Project Description

This project supports removal of an existing fish passage barrier (impassable culvert) and replace it with a passable structure (properly placed culvert) on Johnson Creek in Whatcom County. The project will open up spawning and rearing habitat. Wild fall chinook and coho salmon, as well as steelhead and cutthroat trout will benefit. It is believe that these species will migrate further upstream upon completion of this project. As a sizeable tributary to a known salmon stream, Johnson Creek has the full potential to produce and provide habitat for important salmonid species. Project supporters include Washington Trout, the Nooksack Tribe, and Washington Department of Fish and Wildlife.

Project Ref	Grantee	Project Name	State
00-1117-2000	WA IAC	Bear River Wetlands - Lewis & Porter	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-15-OCT-00	Salmon Habitat Protection and Restoration	$0	$55,283	Washington Coastal

Project Description

The Lewis and Porter Point Units of the Willapa National Wildlife Refuge on Willapa Bay in Pacific County represent one of the best opportunities to reestablish lost fish passage in two watersheds with existing high quality habitat. The project will restore fish passage to two streams that currently support land locked resident cutthroat trout, providing access to high quality habitat. Historically, the area supported fish runs until the construction of dikes and installation of tide gates for agricultural purposes in the 1940's. One check dam and associated delivery ditches were eliminated in 1999. This project involves replacing two existing tide gate and flashboard riser structures with a fish ladder to provide access to over 2.5 miles of habitat including pristine spawning areas and upstream wetlands for both returning adults and juvenile salmonids.

Project Ref	Grantee	Project Name	State
00-1118-2000	WA IAC	Nookachamps Riparian Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-15-JUN-05	Salmon Habitat Protection and Restoration	$0	$338,926	Puget Sound

Project Description

The Skagit Conservation District will protect and restore priority areas of the Nookachamps River, tributary of the Skagit River (WRIA 3) to reduce sedimentation and excess nutrient loading, reduce stream temperature, and restore natural biological processes. The proposed work plan includes fencing to restrict cattle access, planting of native species, plant maintenance, and project monitoring. Project prioritization is based on the Skagit Watershed Council's Application Strategy. Historic use of the project area has been primarily agricultural, resulting in degradation of riparian areas and loss of function in riparian habitat. The Nookachamps River is currently on the Washington Dept. of Ecology 303(d) list for repeated failure to meet water quality standards including temperature and fecal coliform levels.

Project Ref	Grantee	Project Name	State
00-1122-2000	WA IAC	FY00 Asotin Cr. Priority Riparian Plant	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	31-AUG-00-31-MAY-01	Salmon Habitat Protection and Restoration	$0	$97,420	Lower Snake

Project Description

This project supports riparian and in-stream habitat restoration through revegetating high priority areas in Asotin Creek, a 325 square mile tributary to the Snake River in Asotin County. Project goals are to reduce stream temperature, reduce pre-spawning adult salmon mortality, increase egg incubation success, and increase juvenile salmonid survival. Asotin Creek supports several ESA-listed salmon species including summer steelhead, spring chinook salmon, and bull trout. It is managed as a wild steelhead reserve by WDFW. Project cooperators and supporters include BPA, NRCS, WDFW, USFS, NMFS, USFWS, DOE, the Nez Perce Tribe, and Asotin County citizens.

Project Ref	Grantee	Project Name	State
00-1128-2000	WA IAC	South Fork Chinook	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-01-MAR-05	Salmon Habitat Protection and Restoration	$0	$596,227	Puget Sound

Project Description

SRFB funding will enable the purchase and restoration of the best remaining chinook salmon habitat in the South Fork Nooksack River in Whatcom County. The Whatcom Land Trust will acquire 285 acres of riparian habitat along the last natural meandering reach of the river. Upstream of the project area the river flows in a narrow valley with few stable off channel sloughs. Down stream, flood control dikes confine the river. Since 1938, 86% of off-channel habitat in the South Fork has been lost and total river length reduced by 37%. This project is ideal for habitat acquisition because it is located in the most strategic naturally functioning reach of the South Fork. The project includes restoration of natural hydrologic functions through placement of engineered logjams and riparian planting. Project partners include the Lummi Indian Nation, Department of Ecology (DOE), USFWS, Whatcom County Parks and the Whatcom Land Trust.

Project Ref	Grantee	Project Name	State
00-1136-2000	WA IAC	Larson's Bridge Historic Scale Log Jams	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-31-DEC-02	Salmon Habitat Protection and Restoration	$0	$150,000	Puget Sound

Project Description

Funding for this project supports habitat enhancement in the South Fork Nooksack River, in Skagit County. The project will install two historic-scale complex log jam structures consisting of very large logs with intact rootwads and racked woody material. This project builds on previous salmon habitat enhancement efforts in the area. The completed log jams will reduce bank erosion currently delivering massive amounts of fine sediment to the river. They will also restore large woody debris structure necessary to scour and maintain functional holding pools critical to the survival of endangered chinook salmon stocks. This project will include a comprehensive revegetation effort to immediately arrest erosion and provide additional rooting, shade and woody debris recruitment.

Project Ref	Grantee	Project Name	State
00-1138-2000	WA IAC	Grouse Butte Roads Sediment Control	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-31-OCT-00	Salmon Habitat Protection and Restoration	$0	$90,000	Puget Sound

Project Description

Nooksack Salmon Enhancement Association is partnering with US Forest Service to construct a controlled drainage path across the Grouse Butte logging road system by using water bars to prevent sedimentation during storm events. This project will reduce risk of logging road failure and subsequent erosion and sediment production, thereby protecting fish habitat and water quality in Clearwater Creek, a major tributary to the Middle Fork of the Nooksack River. Logging and resulting sedimentation has heavily impacted the Clearwater Creek system, causing salmon habitat degradation that affects the large populations of resident cutthroat trout and salmonids downstream. Continued sediment and flood events are severely limiting recovery of chinook, steelhead, Dolly Varden, and bull trout in the Nooksack system. The water bar design has been implemented successfully by the US Forest Service in other areas to reduce sedimentation caused by logging roads.

Project Ref	Grantee	Project Name	State
00-1144-2000	WA IAC	Salmon Creek: Instream Flows	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-AUG-00-31-OCT-04	Salmon Habitat Protection and Restoration	$0	$230,000	Upper Columbia

Project Description

With SRFB funding, the Okanogan Irrigation District (OID) will implement agricultural water conservation in order to improve instream flows for endangered steelhead and chinook salmon. Salmon Creek is identified in three independent studies as having the greatest potential for supporting anadromous fish populations in the Okanogan Basin. District-wide conservation measures will include installation of flow meters and flow measurement devices; software for water budgeting, accounting and tracking of conserved water; improvements to booster stations and variable speed drives; and an automated system for water delivery. Inadequate instream flows currently obstruct access to 12 miles of high quality spawning and rearing habitat above the OID diversion dam. This project, along with other efforts, will provide year-round flows necessary to support steelhead and chinook.

Project Ref	Grantee	Project Name	State
00-1145-2000	WA IAC	Schumocher Creek Fish Passage Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-00-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$56,516	Puget Sound

Project Description

The Schumocher Creek Fish Passage project is located 15 miles northeast of Shelton in Mason County. The project will replace a failed road culvert. The former culvert was undersized in relation to the stream size and had created an outlet drop of over 18 inches. The completed project will provide and maintain passage to over five miles of salmon spawning and rearing habitat, including a 20-acre wetland that is directly upstream from the project site. The project, a bridge structure, will be designed to provide passage to juvenile and adult salmonids at all stream flows. Targeted species include coho, steelhead, cutthroat and sockeye. Funding will assist the County in pursuing. Other project elements include native vegetation planting and monitoring. Project supporters include the Squaxin Island Tribe, Mason County Public Works, Allyn Community Association, SW Puget Sound Watershed Council, and WDFW.

Project Ref	Grantee	Project Name	State
00-1147-2000	WA IAC	Entiat River Off-Channel Rearing Habitat	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-00-17-MAR-05	Salmon Habitat Protection and Restoration	$0	$162,398	Upper Columbia

Project Description

Trout Unlimited and project partners will create .4 mile of high quality year round off-channel salmon and steelhead rearing habitat on WDFW-owned land in the lower Entiat River drainage in Chelan County. The project will benefit endangered spring chinook salmon, endangered summer steelhead trout and other anadromous and resident salmonids. Lack of juvenile rearing habitat (particularly overwintering habitat) has been identified as the most important limiting factor for salmonid production within the Entiat watershed. The objective is to create year-round rearing habitat, predator escape cover and high flow refuge areas through the placement of a buried water control/intake culvert, excavation to groundwater and placement of several hundred rock and log fish structures within the new channel. Project cooperators include WDFW, USFS, Chelan County Public Works and others.

Project Ref	Grantee	Project Name	State
00-1151-2000	WA IAC	Site 1 Duwamish	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-30-SEP-01	Salmon Habitat Protection and Restoration	$0	$500,000	Puget Sound

Project Description

King County will purchase lands in the Duwamish corridor, near Seattle's Harbor Island, for future salmon habitat restoration. The site is located along the right bank of the Duwamish River estuary. It is important because this reach of the estuary provides the appropriate range of salinities for juvenile Chinook to transition to salt water. It also contains among the highest juvenile salmonid densities in the Duwamish River. The objective of future restoration will be to create over two (2) acres of restored intertidal estuary including a backwater slough with integral habitat benches at appropriate elevations to support populations of carex and other native vegetation. The acquisition project will be a cooperative venture of King County, the City of Tukwila, and the Elliot Bay/Duwamish Restoration Panel.

Project Ref	Grantee	Project Name	State
00-1152-2000	WA IAC	Willapa Estuary Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAR-00-01-MAY-05	Salmon Habitat Protection and Restoration	$0	$347,500	Washington Coastal

Project Description

This project will restore and protect over 860 acres of Willapa Bay estuary habitat in Pacific County, two (2) miles west of South Bend. WDFW will create critical estuarine habitat and restore wetland sloughs to provide rearing and nursery habitats for juvenile salmonids making the stressful fresh-to-saltwater transition. Other project benefits include increased floodwater storage and improved water quality. This project will also create habitat for shorebirds, waterfowl, and marine invertebrates. SRFB funds will leverage over $4 million in NRCS funds for perpetual easements and estuary restoration at the site. Project partners include WDFW, DU, NRCS, USFWS, Army Corps of Engineers, Willapa Bay Fisheries Enhancement Group, Willapa Alliance, and Columbia-Pacific RC&D.

Project Ref	Grantee	Project Name	State
00-1154-2000	WA IAC	Silver Side Channel Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-APR-01-15-AUG-02	Salmon Habitat Protection and Restoration	$0	$739	Upper Columbia

Project Description

Funding will support restoration of natural flows to the former side channel of the Methow River. Side channel and winter rearing habitat have been identified as limiting factors for Spring and Summer chinook, bull trout and steelhead in the Methow watershed. The Silver Side Channel historically provided significant off-channel rearing and over-wintering habitat for Spring and Summer chinook, Bulltrout and steelhead. The side channel was isolated by diking in 1972. The project will include breaching of the existing dike, excavating and preparing a new channel bed, and placement of LWD and rock structures for habitat niches and increased channel structure and stability. The project is a cooperative effort between the landowner, WDFW and the Regional Fisheries Enhancement Group.

Project Ref	Grantee	Project Name	State
00-1156-2000	WA IAC	Early Winter Canal Fish Screen	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-31-OCT-01	Salmon Habitat Protection and Restoration	$0	$100,000	Upper Columbia

Project Description

Early Winters Ditch is located approximately 15 miles northwest of Winthrop, in Okanogan County. This irrigation ditch on Early Winters Creek, a tributary to the Methow River, has a head-gate structure and a double unit fish screen facility built in 1952 that does not meet current WDFW and NMFS criteria for fish protection. This facility is one of six Endangered Species Act Section 7d diversions prohibited by NMFS from diverting water in 1999 until mesh size and approach velocity criteria meet NMFS standards. The WDFW's Yakima Screen Shop will replace this screen with a screen of modern and approved design. This project will benefit bull trout, Chinook and steelhead.

Project Ref	Grantee	Project Name	State
00-1158-2000	WA IAC	Skyline Canal Fish Screen	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-31-OCT-01	Salmon Habitat Protection and Restoration	$0	$100,000	Upper Columbia

Project Description

The Skyline Canal is located approximately eight (8) miles northwest of Winthrop, in Okanogan County. The Canal provides irrigation water to about 300 acres of land used for cattle and alfalfa production. The head gate and fish screen, constructed in the 1940's, are among the diversions prohibited by NMFS from diverting water in 1999 because the diversion does not meet federal and state standards for fish protection. WDFW will replace this diversion with a screen of modern and approved design. This project will benefit bull trout, Chinook, and steelhead.

Project Ref	Grantee	Project Name	State
00-1164-2000	WA IAC	Harriman/WDOT Stream Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-MAY-00-31-DEC-01	Salmon Habitat Protection and Restoration	$0	$59	Upper Columbia

Project Description

Funding for this project will support habitat enhancement and stream stabilization on both private and public land along a stretch of Peshastin Creek that has a history of alteration from flood events and stream channelization. The project emphasizes placement of stabilizing structures (J-hook vanes, rootwads, footer logs, and cross vanes) to reduce near bank shear stress, reduce width/depth ratios, reduce stream flow energy, and provide grade control. As a result, pools will form downstream of each structure, providing resting and feeding areas for fish. Placement of large woody debris and boulders will provide cover for fish, and planting of native riparian vegetation will provide additional benefits such as shade and bank stabilization. Project cooperators include the NRCS, private landowners, and the US Fish & Wildlife Service.

Project Ref	Grantee	Project Name	State
00-1165-2000	WA IAC	Fulton Canal Fish Screen	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-31-OCT-00	Salmon Habitat Protection and Restoration	$0	$33,500	Upper Columbia

Project Description

The Fulton Canal is located on the lower Chewuch River, near Winthrop, in Okanogan County. A number of design problems with the current screen cause significant problems for fish. Average approach velocities are too high, and screen orientation inhibits fish from rapidly accessing the bypass system to return to the river. The woven wire mesh screen cloth is too large to prevent emergent steelhead, bull trout, and small chinook salmon fry from entrainment. The worst feature of this site is the bypass system that returns fish back to the river. The entrance is undersized and the return to the river runs fish over a bedrock ledge at high velocity. WDFW's Yakima Screen Shop will replace this facility to meet current federal and state fish protection standards.

Project Ref	Grantee	Project Name	State
00-1167-2000	WA IAC	Jon Small Off-Channel Rearing Pond	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-00-17-MAR-05	Salmon Habitat Protection and Restoration	$0	$134,170	Upper Columbia

Project Description

Trout Unlimited along with project partners will assist a private landowner with creation of approximately 0.4 mile of high quality, year-round off-channel salmon and steelhead rearing habitat on WDFW owned land adjacent the mainstem Entiat River. The project will create an off-channel rearing pond, a meandering 1000 ft. rearing channel exiting the pond and connecting to the Entiat River, and will restore 1000 ft. of previously channelized and degraded rearing habitat and eroding banks through bioengineering and placement of instream rock and fish habitat structures. The project will benefit endangered spring chinook salmon, endangered summer steelhead trout and other anadromous and resident salmonids (including threatened resident bull trout) within the lower Entiat River drainage. Lack of juvenile rearing habitat (overwintering) is the most limiting factor within the Entiat watershed. Project cooperators include WDFW, USFS, Chelan County Public Works Dept. and others.

Project Ref	Grantee	Project Name	State
00-1168-2000	WA IAC	Tucannon & Touchet River Riparian Restor	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$80,000	Middle Columbia

Project Description

Funding will allow continuation of efforts to protect, enhance and re-establish degraded riparian areas in the Tucannon and Touchet Rivers. These two rivers are home to ESA-listed salmon stocks including spring and fall chinook, steelhead, and bull trout. Project goals include reducing stream temperatures, increasing adult salmon pre-spawning survival, increasing egg incubation success, and improving juvenile rearing. This project will complement previous riparian and in stream habitat restoration efforts. Project cooperators and supporters include private landowners, WDFW, BPA, NRCS, USFS, CTUIR, and the Nez Pierce Tribe.

Project Ref	Grantee	Project Name	State
00-1174-2000	WA IAC	Lower East Fork Chimacum Creek	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-17-MAR-05	Salmon Habitat Protection and Restoration	$0	$48,600	Puget Sound

Project Description

This project will restore habitat in the Lower East Fork of Chimacum Creek in Jefferson County. Project elements include reconfiguring and naturalizing 1,600 feet of ditched stream channel and planting native riparian vegetation to establish shade cover and control invasive weeds on four acres of riparian buffer to complement previous restoration work on the Creek. The project will also excavate the stream bank and place large woody debris to create pools and riffles and help the channel establish a more natural flow dynamic. Other project elements include livestock exclusion fencing on both sides of the Creek. The project will reduce sedimentation, increase dissolved oxygen, and reduce nutrient loading that affect egg survival of summer chum. The project also improves rearing and spawning habitat for coho, cutthroat and steelhead. Project partners include the Jefferson County Conservation District, Wild Olympic Salmon, Trout Unlimited, and Chimacum Schools.

Project Ref	Grantee	Project Name	State
00-1176-2000	WA IAC	Salmon Creek Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$148,200	Puget Sound

Project Description

Salmon Creek in Jefferson County is utilized by a stock of ESA-listed summer chum salmon. Poor habitat conditions limit the sustainability of this stock. The project's objective is to restore natural stream functions and improve salmon habitat in a 2,800-foot reach channelized many years ago for agriculture purposes. Project activities include restoring channel complexity through placing LWD, reducing aggradation, replacing a livestock ford with a bridge, and improving riparian conditions. Other fish species benefiting from this project include coho, cutthroat, steelhead, and sturgeon. Project supporters include private landowners, Wild Olympic Salmon, the North Olympic Salmon Coalition, and WDFW. This project complements the Wild Olympic Salmon/WDFW Salmon Creek/Chimacum Creek Summer Chum Stock Supplementation Project.

Project Ref	Grantee	Project Name	State
00-1177-2000	WA IAC	BLC Riparian Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-00-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$37,891	Lower Snake

Project Description

Project funding will support riparian restoration and implementation of Best Management Practices (BMP's) on land owned by the Broughton Land & Cattle (BLC) operation along Pataha Creek, a major tributary of the Tucannon River in Garfield and Columbia Counties. Project elements include planting native vegetation along the riparian zone and providing an off-site watering source for 450 head of cattle that currently use the creek for water, degrading riparian habitat, and contributing to suspended sediments and high water temperatures. Project goals are to decrease stream temperatures in the creek, increase bank stabilization, reduce water velocities, and reduce suspended sediment in the creek. Project partners include the landowner (BLC), and the Natural Resource Conservation Service (NRCS).

Project Ref	Grantee	Project Name	State
00-1178-2000	WA IAC	Chimacum Creek Watershed Acquisitions	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAR-00-01-JUN-05	Salmon Habitat Protection and Restoration	$0	$170,000	Puget Sound

Project Description

This project will fund the acquisition of interests in real property situated on the mainstem of Chimacum Creek in Jefferson County. The project area begins at the ownership where the East Fork and the West Fork converge and extends north to the point where the mainstem enters the estuary. Acquisition of conservation easements and fee-simple interests will preserve mixed conifer and alder riparian forests in an area being considered for designation as an Urban Growth Area. An easement on abutting county ownership will allow connection with an educational center and nature trail. The acquisitions will protect significant summer and winter chum spawning habitat and coho rearing refugia.

Project Ref	Grantee	Project Name	State
00-1179-2000	WA IAC	Upland Sediment Reduction Program	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	18-MAR-00-10-JUN-01	Salmon Habitat Protection and Restoration	$0	$84,900	Lower Snake

Project Description

Project funding will support continuation of practices to reduce erosion from upland croplands throughout the Middle Snake Watershed in Garfield County. A large portion of the sediment generated from this erosion reaches fish bearing streams within the district during the growing season. Two of these streams have documented steelhead populations while two others have had populations in the past. Sediment in the streams greatly reduces spawning and rearing habitat. The Conservation District has been funding upland conservation practices through cost share programs for several years. Project elements such as changing crop rotations, reducing conventional summer fallow programs, and conversion from conventional tillage to direct seeding build on previous efforts and transition from conventional methods of crop production to best management practices for salmon recovery.

Project Ref	Grantee	Project Name	State
00-1181-2000	WA IAC	Big Beef Creek Preservation Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-31-OCT-02	Salmon Habitat Protection and Restoration	$0	$136,000	Puget Sound

Project Description

The University of Washington Fisheries Research Station at Big Beef Creek, on Hood Canal's east side, has been the site of a three-phase effort to improve fish habitat. Funding will help to preserve the 30-acre wetland on the west side of Big Beef Creek just upstream of the research facility by removing an existing water utility road access. The road has altered the natural functions of the wetland, and with minor adjustments to the utility lines the wetland will be reconnected to the creek and restored it to its natural state. The project will also line 200 feet of the spawning channel with large cobble to prevent erosion.

Project Ref	Grantee	Project Name	State
00-1182-2000	WA IAC	Patit Creek Enhancement Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-30-NOV-00	Salmon Habitat Protection and Restoration	$0	$46,850	Middle Columbia

Project Description

Patit Creek, a tributary to the Touchet River in Columbia County is home to ESA-listed steelhead. The project's objective is to address limiting factors affecting salmonid production in Patit Creek, including high water temperatures, sediment loads, and lack of instream pool habitat. The landowner signed a riparian easement with the Tribe that restricts timber harvest, development, and agricultural practices for 15 years within the riparian corridor. The Tribe and its partners will reconfigure the stream channel, improving stream sinuosity and shading. Other project elements include planting riparian vegetation; installing rock weirs along a roadway-confined, straightened portion of stream to create pool habitat for juvenile and adult salmonids; and constructing livestock exclusion fencing to reduce riparian habitat degradation and sedimentation. The tribes will conduct annual monitoring to track project success and implement adaptive management as necessary. Project cooperators include a private landowner, FSA, NRCS, and the CCCD.

Project Ref	Grantee	Project Name	State
00-1183-2000	WA IAC	White River Flood Plain Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	11-MAY-00-15-OCT-04	Salmon Habitat Protection and Restoration	$0	$50,000	Upper Columbia

Project Description

The Eastern Washington Regional Fisheries Enhancement Group (RFEG) will reestablish off channel habitat access for salmon and steelhead in an old oxbow at the end of Sears Creek Road along the White River, a tributary to Lake Wenatchee. Removal of the road and culverts will reestablish fish access into a half mile of off-channel habitat and allow the floodplain to function naturally. SRFB funds will match other state, federal and private funds to accomplish this project. Work includes replanting with native plants. Benefits include opening a half mile of off-channel habitat for rearing/refuge habitat for endangered fish species along with restoration of the White River floodplain.

Project Ref	Grantee	Project Name	State
00-1187-2000	WA IAC	Walla Walla County Sediment Reduction	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-00-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$120,000	Middle Columbia

Project Description

The goal of this project is to decrease sedimentation impacting fish spawning beds across Walla Walla County. With SRFB funding the District will implement a direct seed cost share program to reduce erosion from cropland in priority areas and reduce fish-smothering sedimentation. The project will benefit steelhead and bull trout populations. Direct seeding is projected to reduce sediment delivery to spawning and rearing streams by over 10,000 tons over the course of three years. This will increase survival-to-emergence of listed steelhead and bull trout fry, and ultimately increase the salmonid population in the Walla Walla Basin. Project objectives include reducing cropland erosion by 95% on enrolled acres; creating 2000 acres of upland habitat improvements (food and cover) for birds and other wildlife; encouraging participating farmers to make long term conservation-oriented changes to their farming practices; and utilize these projects as demonstration sites for farmers across the watershed.

Project Ref	Grantee	Project Name	State
00-1189-2000	WA IAC	FY00 Asotin Cr. Watershed Upland BMPs	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-00-31-OCT-04	Salmon Habitat Protection and Restoration	$0	$74,526	Lower Snake

Project Description

SRFB funding of this project supports implementation of upland Best Management Practices for priority agricultural areas in the watershed. Specifically, the project will include a low/no till program emphasizing 598 acres of 5-year direct seeding, three sediment basin construction areas, 66 acres of grass and forb plantings, yellow star thistle removal, and reforestation of 4,500 trees. The goal of this effort is to reduce in-stream sediment from agricultural sources, and increase egg incubation success and juvenile salmonid survival. Project cooperators and supporters include BPA, NRCS, WDFW, DOE, Nez Perce Tribe, and Asotin County citizens. Projects will address water quality issues in the watershed resulting in less sediment entering streams.

Project Ref	Grantee	Project Name	State
00-1190-2000	WA IAC	Tucannon-Touchet R. Watershed Hab Enh	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-30-SEP-04	Salmon Habitat Protection and Restoration	$0	$19,526	Middle Columbia

Project Description

Funding for this project supports low/no till methods to reduce agriculture-related sediment impacts to the Tucannon and Touchet Rivers, in Columbia County. The Tucannon watershed, including both river systems, is home to ESA-listed steelhead, bull trout, and spring and fall chinook. Methods will include five-year direct seeding of 1000 acres of agricultural land, along with construction of grass waterways, terraces, and other sediment controls. Overall project goals are to reduce sediment impacts to the rivers, increase fish egg incubation success, and improve juvenile salmon survival. Project partners include private landowners, NRCS, WDFW, and Columbia County WSU Cooperative Extension.

Project Ref	Grantee	Project Name	State
00-1193-2000	WA IAC	Tucannon-Touchet R. Watershed Instrea	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-00-01-MAR-05	Salmon Habitat Protection and Restoration	$0	$200,000	Middle Columbia

Project Description

Funding supports continued salmon habitat restoration at various sites throughout the Tucannon and Touchet watersheds, home to ESA-listed spring and fall chinook, steelhead, and bull trout. Project elements include bank stabilization, along with installation of root wads, a rock weir, and large woody debris. Goals are to increase stream bank stability, improve in-stream pool quality and quantity, reduce stream temperatures, and reduce stream bank erosion and sedimentation. Project worksites are located on federal, state, and private lands. Project partners include WDFW, NRCS, Columbia County WSU Cooperative Extension, and private landowners.

Project Ref	Grantee	Project Name	State
00-1195-2000	WA IAC	Wilson Banner Ranch Barrier Bypass	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	18-MAR-00-01-MAY-00	Salmon Habitat Protection and Restoration	$0	$9,994	Lower Snake

Project Description

The Pomeroy Conservation District will remove three fish barriers located on the Wilson Banner Ranch on Alpowa Creek, less than a mile from its confluence with the Snake River. The creek contains steelhead and other native fish species. In order to irrigate, Wilson Banner Ranch constructs block dams on a yearly basis. These dams completely block the Creek during the irrigation season and severely restrict fish migration during other times of the year. Previous grants initiated efforts to address these barrier problems, however additional funding is needed due to the high construction costs of installing the necessary irrigation inlet structure and delivery system. Completion of this project will open up about 15 miles of salmon spawning and rearing habitat along Alpowa Creek and the Snake River.

Project Ref	Grantee	Project Name	State
00-1197-2000	WA IAC	FY00 Asotin Cr. In-Stream Structures	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUL-00-01-DEC-03	Salmon Habitat Protection and Restoration	$0	$5,612	Lower Snake

Project Description

This proposal is for continuing high priority in-stream habitat restoration efforts in upper Asotin Creek, South Fork of Asotin Creek and Charley Creek. Specifically, approximately 40 structures including large woody debris will be installed to form pools and create complex habitat. This effort will create suitable salmon resting and rearing habitat and in-stream cover, which were identified as limiting factors for the basin. Overall goals are to improve in-stream habitat to reduce pre-spawner adult mortality and increase juvenile salmonid survival. Project cooperators and supporters include BPA, NRCS, WDFW, USFS, NMFS, USFWS, DOE, Nez Perce Tribe, and Asotin County citizens.

Project Ref	Grantee	Project Name	State
00-1202-2000	WA IAC	Ricci Island/Lake Beecher Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-31-AUG-02	Salmon Habitat Protection and Restoration	$0	$135,181	Puget Sound

Project Description

SRFB funding will help to secure a conservation easement for the entire Ricci Island, a mainstem river feature of the Snohomish River, just downstream of the confluence of the Skykomish and Snoqualmie Rivers. The site is bounded by a five meter wide channel on the southwest and the mainstem Snohomish River on the northeast. Covered by a mid seral forest community, Ricci Island provides both a secure long term contribution of large woody debris and over 2.4 kilometers of off channel refugia for salmonid rearing. The site is zoned agricultural and is currently grazed. The site has many important ecological values including off channel holding and rearing habitat and floodplain connectivity that are lacking throughout the rest of the Snohomish mainstem system.

Project Ref	Grantee	Project Name	State
00-1206-2000	WA IAC	Stillaguamish Old Channel Habitat Rest.	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$253,520	Puget Sound

Project Description

Funding will support installation of a low-restriction tidegate structure to capture tidal inflows from Hatt Slough to re-establish freshwater flow in the Old Channel of the Stillaguamish River. At present, whenever main channel levels are low in July-October, fresh water enters the Old Channel from Hatt Slough only during flood tide. The tides enter from both ends of the slough and ebb back the way they came. Stagnation in the slough results causing low dissolved oxygen levels and elevated temperatures. Hydraulic data indicate that a tidegate facility installed near the Old Channel entrance at Hatt Slough would capture the flood-tide inflow and force downstream an averaged daily freshwater volume of roughly 1.5 million cubic feet. The District will also remove non-native vegetation and revegetate the riparian area with native plants on 85 acres of the Old Channel, which meanders eight and a half river miles from Hatt Slough to Port Susan and Skagit Bay.

Project Ref	Grantee	Project Name	State
00-1208-2000	WA IAC	Klickitat Mill Restoration 2	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$300,000	Middle Columbia

Project Description

Snyder Creek, a majority tributary of the Klickitat River, is located within the city limits of Klickitat. Snyder Creek is a top priority for salmon habitat restoration. This project will remove 1/4 mile of the Snyder Creek concrete sluiceway and create a natural channel and riparian zone. Habitat structures, plantings, streambed gravel, and a rock toe will be incorporated into this reach. Plantings in both sides of the 50 foot riparian zone will consist of brush bundles, cottonwoods, and ponderosa pines. The creek will then be accessible to threatened Mid-Columbia steelhead, and coho, a depressed stock. Project cooperators include WDFW, NRCS, Americorps, and YIN/BPA.

Project Ref	Grantee	Project Name	State
00-1209-2000	WA IAC	Twin River Quarry Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-30-SEP-01	Salmon Habitat Protection and Restoration	$0	$823,916	Puget Sound

Project Description

Snohomish County will use SRFB funding to acquire the Twin Rivers Quarry property located at the confluence of the Snoqualmie and Skykomish rivers. The 157 acre property features five acres of diked agricultural land within the floodplain; mature conifer-dominated forest; and two small creeks which descend a forested hillslope, merge, and flow through the bed of an historic side-channel that connected to the Snohomish River prior to diking. The site's 3,700 linear feet of riverfront has been armored with riprap along its entire length. The site would provide an excellent future restoration opportunity to remove bank armor, reconnect the side channel, and replant native riparian vegetation. Once the property is acquired, future phases will include restoring rearing habitat for juvenile salmon in off-channel areas and along the main-stem edge, and dike removal to allow the river to migrate laterally through its floodplain.

Project Ref	Grantee	Project Name	State
00-1217-2000	WA IAC	Hancock Creek Restoration Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-DEC-01-17-MAR-05	Salmon Habitat Protection and Restoration	$0	$13,854	Upper Columbia

Project Description

Funding for this project will assist a landowner with restoration of fish habitat in Hancock Creek. Hancock Creek is one mile long and is spring fed. In general it has excellent water quality for juvenile chinook and steelhead, as well as spawning for adult steelhead. Off channel rearing areas that do not freeze are important in this area of the Methow River. Native tree and shrub plantings will serve to re-establish the riparian plant community for future production of LWD, and will provide shade to help reduce water temperatures in the Creek. In addition, three rocked livestock watering points will prevent direct livestock access to the Creek, thereby maintaining the integrity of the stream banks and preventing erosion. The landowner rights to the surface water will be converted to groundwater rights, and a new well will help reduce ponding of the water above Wolf Creek Road.

Project Ref	Grantee	Project Name	State
00-1222-2000	WA IAC	Dashiell Tract Protection Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-30-APR-05	Salmon Habitat Protection and Restoration	$0	$373,828	Puget Sound

Project Description

The middle Sauk River hosts the second highest salmon spawning density in the Skagit system, the most productive salmon river in the Puget Sound. It is home to large numbers of ESA listed chinook and many other salmonids. This parcel contains over one mile of mainstem river frontage, sloughs, side-channels and riparian forest. chinook, pink, chum, coho, cutthroat, steelhead and bull trout all spawn and/or rear in the adjacent mainstem reach. coho spawn in the tributary running through the parcel and rear in the sloughs. The Nature Conservancy will manage the land as part of its Skagit River preserve to ensure its long-term protection. This project complements other salmon recovery efforts in the area, including the Skagit Fisheries Enhance Group, state lands, and Seattle City Light.

Project Ref	Grantee	Project Name	State
00-1226-2000	WA IAC	Upper Suiattle River Habitat Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-30-APR-04	Salmon Habitat Protection and Restoration	$0	$382,500	Puget Sound

Project Description

This project involves land acquisition in the upper Suiattle River drainage in Skagit County. The acquired parcels, bordered by federal, state, and tribal lands, will protect an estimated 6000 feet of river frontage and over 100 acres of floodway. All the parcels have a cover of mature conifers. Acquiring these parcels will preclude further development and timber harvest, and will protect streamside and riparian habitat. The Suiattle River is within the wild segment of the Skagit Wild and Scenic River system. Seven species of anadromous fish, including a depressed stock of the federally listed chinook, are found in the Suiattle River. Spawning and rearing habitat occurs adjacent to the targeted parcels. Future salmon restoration and habitat enhancement projects may be identified for these acquisitions.

Project Ref	Grantee	Project Name	State
00-1229-2000	WA IAC	Humptulips Aquisition Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-00-01-MAR-05	Salmon Habitat Protection and Restoration	$0	$116,529	Washington Coastal

Project Description

This project will acquire and protect approximately 200 acres of tidelands and emergent estuary in the North Bay portion of Grays Harbor. This acquisition permanently protects tidelands, mudflats, sloughs, channels, eelgrass meadows, emergent marsh, and essential fish rearing habitat. Species that benefit from this project include searun cutthroat trout, coho, Chinook, chum, steelhead, and threatened bull trout. The estuary also provides rearing and nursery habitat for Dungeness Crab. Fish utilize this estuarine habitat for feeding, rearing, transition, and physical acclimation to saltwater. The acquisition complements current efforts by the Audubon, DNR's Natural Heritage Program, and WDFW to protect the Humptulips estuary. The sites will become a permanent part of WDFW's Wildlife Area Management program and will be managed for long-term fish and wildlife productivity.

Project Ref	Grantee	Project Name	State
00-1244-2000	WA IAC	Youngs Slough Conservation Easement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-30-SEP-01	Salmon Habitat Protection and Restoration	$0	$77,112	Puget Sound

Project Description

Skagit Land Trust will use SRFB funds to purchase a perpetual conservation easement on 60 acres of private agricultural land located within the Skagit River floodplain just east of Sedro Woolley in Skagit County. The easement will protect riparian areas and side-channel habitat on two sloughs and the main-stem of the Skagit River (more than 6000 feet of shoreline). Over 30 acres of mature riparian woodland will also be protected. The Skagit Land Trust will hold and monitor the easement. This acquisition benefits all five species of salmon, particularly spawning chinook and rearing coho. Approximately 35% of the riparian buffers are currently in old abandoned pasture and in need of restoration. After the easement is acquired, the Skagit Land Trust will work with Skagit Fisheries Enhancement Group to develop and implement a riparian restoration plan. This project has been endorsed by Skagit Watershed Council, and received a very high ranking on the Council's list of proposed projects.

Project Ref	Grantee	Project Name	State
00-1247-2000	WA IAC	McElroy Slough Estuary Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-MAR-00-01-FEB-05	Salmon Habitat Protection and Restoration	$0	$461,188	Puget Sound

Project Description

This project will restore tidal processes, fish passage and estuary rearing area for chinook, coho, chum and cutthroat within the McElroy Slough Watershed in Skagit County. More than 26 acres along the historic slough channel have been placed under permanent easement via the Federal Wetland Reserve Program. This program will re-open one river mile and 4.75 acres of estuary for anadromous fish use, plus improve access to five miles of Colony Creek, one mile of Harrison Creek, and 1/2 mile of Whitehall Creek, all of which are used by anadromous fish. In addition, this project will provide flood relief and drainage benefits to the Blanchard community. Project elements include removal of existing culverts and replacement with box culverts. New culverts include tide gates for improved fish passage. Project partners include Skagit County, USFWS and WDFW.

Project Ref	Grantee	Project Name	State
00-1669-2000	WA IAC	Entiat River Habitat Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	26-JAN-01-31-DEC-03	Salmon Habitat Protection and Restoration	$1,478,553	$0	Upper Columbia

Project Description

The Chelan-Douglas Land Trust seeks to acquire and permanently protect from development nearly three (3) miles of some of the most important salmonid spawning and rearing habitat on the Entiat River. The Entiat River is one of four upper Columbia River tributaries that support anadromous Pacific salmonids and is critical to efforts to recover salmon in this region. These properties all occur in the "stillwaters" region of the Entiat between river mile 16 and 26. This section has the best spawning gravels, pools, and rearing habitat due to the low river gradient in this reach. Spring and summer Chinook, steelhead, and non-anadromous bull trout all utilize this stretch of river. This stretch of river is also mostly in private ownership and is subject to rapid residential and recreational development. It is not an exaggeration to say that the future of anadromous fish runs on the Entiat depends on the protection of habitat in this stretch. If this property is not acquired now, it will be more expensive or unavailable in the future. This project is supported by a variety of groups, including Chelan County, WDOE, WDFW, Forest Service, U.S. Fish & Wildlife, NMFS, and Trout Unlimited.

Project Ref	Grantee	Project Name	State
00-1671-2000	WA IAC	East Branch LeClerc Rd - Abandonment	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAR-01-01-MAY-05	Salmon Habitat Protection and Restoration	$202,000	$0	Pend Oreille

Project Description

The LeClerc Creek drainage is a documented spawning and rearing stream for bull trout and cutthroat trout. It is one of few streams in the area that supports bull trout and has potential for species recovery. In 1996, Stimson Lumber Company completed a watershed assessment of this drainage and identified approximately two (2) miles of cost share road on USFS land to contribute excessive sediment to this stream. In 1999, the USFS completed phase I of the project by constructing a new road to divert traffic from the stream. Without adequate funding to rehabilitate the abandoned section, the USFS agreed that the Tribe, with its experience in erosion stabilization projects, riparian restoration, and instream fish habitat, would take the lead in funding and completing phase II. The proposed project includes re-establishing original contours and revegetating the original road bed. This includes restoration of aquatic and terrestrial habitat as well as hydrology. This will be accomplished according to the draft inter-agency rehabilitation plan (attached). It is our goal to benefit the continued existence and eventual recovery of bull trout and cutthroat trout. Other listed species in this area include grizzly bear, woodland caribou, and Canadian lynx. This project has the support of the Pend Oreille Watershed Coordinating Committee, Pend Oreille County, Stimson Lumber Company, WDNR, WDOE, WDFW, USFWS, USFS, Pend Oreille PUD No. 1, and Seattle City Light.

Project Ref	Grantee	Project Name	State
00-1672-2000	WA IAC	Crescent Bay Salt Marsh/Salmon Hab. Rest	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-FEB-01-30-MAY-05	Salmon Habitat Protection and Restoration	$443,849	$0	Puget Sound

Project Description

We propose to remove the tidegate, restore and open channel connection to Crescent Bay and eliminate the Marsh's drainage ditches and dikes. As a result, juvenile salmon habitat and other wetland functions will be restored to Crescent Bay Salt Marsh, Naval Air Station Whidbey Island, significantly increasing the area and quality of estuarine habitat for juvenile salmon rearing along northern Puget Sound shorelines. These actions will promote natural access and use by juvenile salmon and other fishes to the Marsh and linkages to the Crescent Bay ecosystem.

The initial 3-year phase of the project will involve pre-construction, baseline ecological assessment, engineering feasibility, hydrological and geomorphological design, construction and post-construction evaluation. A second SRFB proposal will be submitted in Year 3 using initial monitoring results to develop and implement a long-term (e.g. 10 yr) monitoring and adaptive management plan.

Island County, will manage the project including; the restoration design in collaboration with hydrologists and geomorphologists from Phillip Williams and Associates; the Corps of Engineers providing technical expertise on the flood study; the Navy and SeaBees removing the tidegate and dikes, excavating the entrance channel and modifying the interior ditches; and, the NASWI managing the Beach Watcher, Oak Harbor Middle School and Boy Scout volunteers for monitoring and revegetation.

Project Ref	Grantee	Project Name	State
00-1691-2000	WA IAC	George Creek Instream and Riparian	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-MAR-01-30-JUN-05	Salmon Habitat Protection and Restoration	$126,000	$0	Lower Snake

Project Description

Asotin Creek, a 325 square mile tributary to the Snake River in WRIA 35, is home to ESA listed stocks of summer steelhead, bull trout, and spring chinook. It is managed as a Wild Steelhead Reserve by WDFW. Lack of suitable resting and rearing pool habitat and instream cover were identified as primary limiting factors in the Asotin Creek Model Watershed Plan (Plan). The Plan was the first completed in Washington state dealing specifically with watershed restoration and protection for endangered fish species and the habitat they rely upon. Proposed projects will compliment instream and riparian projects already completed in this stream. Overall goals are to improve habitat to reduce pre-spawner adult mortality and increase juvenile salmonid survival.

The Asotin County Conservation District (ACCD) will work with landowners, BPA, NRCS, WDFW, USFS, MNFS, USFWS, DOE, Nez Perce Tribe, and citizens to ensure proper planning for cost-effectiveness, instream, and riparian project placement. This proposal is for continuous prioritized instream and riparian habitat projects in Asotin Creek watershed. Two individual project sites will be completed in the fall of 2001 with instream habitat structures and riparian tree planting projects. ACCD will implement and monitor projects and WDFW will conduct pre- and post-project habitat monitoring for project effectiveness.

Proposed projects include dike removal and flood plain connection, instream fish habitat, riparian tree planting, fencing, and George Creek instream flow.

Project Ref	Grantee	Project Name	State
00-1698-2000	WA IAC	Tumalum Creek Riparian Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	27-JAN-01-01-MAY-05	Salmon Habitat Protection and Restoration	$105,995	$0	Lower Snake

Project Description

This project is located on Tumalum Creek, a tributary of the Tucannon River. The targeted stock is Snake River Steelhead. It enters the Tucannon in an area where there may be some age class of steelhead, chinook, or bull trout present at some time of the year. The Tumalum originates on and flows through federal and state lands for approximately 5 stream miles and continues through private lands for approximately 4 stream miles (3.3 miles in the project area owned by one family). This project will start on the Tumalum as it leaves state lands. This is an opportunity to have nearly the complete stream length under either a protection or restoration condition. It is wide valley bottom that changed dramatically in the mid-1960's due to fire and flood conditions. The landowner stated that it was a grassy valley with numerous tress. The present condition is a wide gravel/cobble valley floor with limited vegetation and a stream that flows sub-surface at times of the year in the lower section. Steelhead spawn in the upper reaches in the spring and survive the summer in deep pools. The goal of this project is to reestablish a riparian buffer through the 3.3 mile section by installing the following practices: plant approximately 100 acres of native trees/shrubs per acre, off-stream livestock watering systems, enclosure fence (approximately 40,000 feet), and see the riparian corridor to native herbaceous species. The riparian buffer is entered into the CREP for 15 years.

Project Ref	Grantee	Project Name	State
00-1702-2000	WA IAC	Dillacort Canyon	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAR-01-31-MAR-05	Salmon Habitat Protection and Restoration	$334,075	$0	Middle Columbia

Project Description

Dillacort Canyon acquisition proposal is the fee simple purchase of 579 acres of land including 6,000 linear feet of Dillacort Creek and 6,500 feet of Klickitat River. Dillacort is an east bank tributary, which enters the Klickitat River at River Mile 5.5.

Dillacort provides spawning and rearing habitat for anadromous fish stocks, primarily steelhead and coho. In 1996 a new culvert allowed the first successful passage and spawning in Dillacort since 1974. Wild Klickitat River steelhead are federally "threatened" and have limited tributary spawning and rearing opportunities in this portion of the basin.

This proposal ensures that two (2) miles along the Klickitat River and Dillacort Creek will be conserved for steelhead spawning and rearing habitat. Dillacort is just five (5) miles from the town of Lyle and faces increasing development pressures. It is accessible, with beautiful views and therefore highly threatened by road and house construction.

The proposal includes the acquisition of 382 acres and donation of 197 acres. Combined with existing Washington Department of Fish and Wildlife land, this proposal would conserve more than 1.5 miles of Klickitat River and riparian habitat in perpetuity. The proposal would continue to allow grazing rights on the uplands to the seller.

Columbia Land Trust and Yakama Nation will enhance and monitor the site through Yakama Nation Fisheries donation and a cooperative sponsorship of BPA funded projects.

Project Ref	Grantee	Project Name	State
00-1708-2000	WA IAC	Deadman Creek Riparian Restore #2	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-01-MAY-05	Salmon Habitat Protection and Restoration	$32,923	$0	Lower Snake

Project Description

The project is on Deadman Creek, a tributary of the Snake River, which has a current Snake River Steelhead population. The stream currently provides water for approximately 150 animal units. The main objective is to establish a riparian buffer meeting NRCS specifications through an area that has been mainly used for winter livestock feeding and calving. The landowner has partially fenced the stream corridor, leaving water gaps for animal access: these areas are in need of rehabilitation. Bank sloughing and runoff contribute sediment and nutrients to the stream influencing fish habitat, water quality & riparian health. The goal of this project is to maintain cool water temperatures, reduce sediment & reduce nutrients, increase riparian habitat and diversity, & improve fish habitat, by developing an off-stream watering system and eliminating the need for cattle to enter the stream. Components are: livestock watering systems, stream crossing, 12,000 feet of riparian fencing, and complete 4 acres of riparian plantings. There is no existing power source, so a remote site generator will be used to pump from a well. The riparian corridor is now a near pure stand of hawthorn. The planting plan will be to remove a portion of the stand and interplant with species historically present in this plant community. There will be approximately 20 acres within the buffer. Project cooperators are the landowners, District, Natural Resources Conservation Service and Farm Service Agency.

Project Ref	Grantee	Project Name	State
00-1715-2000	WA IAC	Guse Property Acquisition, Sauk River	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	26-JAN-01-01-JUN-02	Salmon Habitat Protection and Restoration	$79,800	$0	Puget Sound

Project Description

Seattle City Light (SCL) is proposing to acquire the Guse property, which is a 60 acre parcel located on the mainstem Sauk River (Skagit River basin). The mainstem Sauk River has been classified as a "priority" basin by the Skagit Watershed Council for salmon habitat restoration and protection projects. The property, which is located about six miles northeast of the town of Darrington, will be purchased on a fee simple basis. The property is situated in a section of the river which has undergone numerous channel avulsions (i.e., movement of the main channel) in recent years. Approximately 70 percent of the property is situated within the active floodplain. The section of the river within which the property is located is considered to possess natural functioning conditions, since there are no dikes, levees, or bank armoring projects present in the vicinity of the project. The property contains numerous high-quality side channels, which provide important habitat to juvenile chinook & steelhead, adult & juvenile coho, & adult pink & chum salmon. These side channel areas also serve as foraging areas for subadult and adult bull trout. The property contains an estimated 18 acres of side channels. The river channel is bordered by a mixed riparian forest. The level of impairment to riparian vegetation on the property is low. This section of the Sauk River is used by lower Sauk summer chinook, upper Sauk spring chinook, and Suiattle spring chinook.

Project Ref	Grantee	Project Name	State
00-1720-2000	WA IAC	Dogfish Creek Estuary Bridge	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	14-FEB-01-30-JUN-04	Salmon Habitat Protection and Restoration	$1,430,000	$0	Puget Sound

Project Description

The City of Poulsbo will restore habitat and ecological functions to the upper Liberty Bay/Dogfish Creek estuary by removing the culvert that blocks saltwater exchange over 4 acres of tidelands. This shoreline/tideland complex is listed as critical habitat by NMFS to the recovery of Puget Sound chinook. The benefits gained from this project include recovery of the intertidal marine algaes, epibenthic production of primary juvenile salmon food items including copepods and amphipods and other invertebrates, and enhancement of associated habitat attributes. Dogfish Creek has runs of chinook, coho, and chum salmon and steelhead and cutthroat trout that will benefit form this project. This bridge project will tie into City Parks Department's passive use/salmon education trail and riparian property acquisition to protect and restore Dogfish Creek's salmon runs.

Project Ref	Grantee	Project Name	State
00-1729-2000	WA IAC	Salmonberry Creek Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	26-JAN-01-31-MAR-05	Salmon Habitat Protection and Restoration	$288,600	$0	Puget Sound

Project Description

The Salmonberry Creek restoration project will create a side channel that will flow through a series of ponds that mimic beaver pond rearing areas for coho and cutthroat. This channel will help to alleviate the adult stranding that takes place annually due to stream channelization and invasive plant species within this agricultural area. This stranding is occurring before the salmon reach their spawning grounds. The side channel will add approximately 5,000 lineal feet of rearing habitat and ease adult migration through this channelized segment. This project is expected to significantly increase the juvenile coho and cutthroat numbers and survival rates. This area is completely devoid of riparian vegetation, therefore, a riparian buffer will also be re-established for an average of 100 feet wide along the created channel and the area between the new channel and the existing creek. Conservation easements will be secured for long-term protection of the project and the resource.

Project Ref	Grantee	Project Name	State
00-1764-2000	WA IAC	Snoqualmie River Mainstem Reach	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	07-FEB-01-31-DEC-03	Salmon Habitat Protection and Restoration	$75,340	$0	Puget Sound

Project Description

King County Department of Natural Resources requests $85,000 to complete acquisitions in an important reach of the Snoqualmie River. The funding would be used to purchase one 20-acre parcel (see enclosed parcel map, parcel 1024079009).

The target parcel contains roughly 1000 feet of riverfront along the Snoqualmie. The reach is one of the few stretches of the lower Snoqualmie with a forested riparian corridor that extends more than a few feet from the ordinary high water mark. The forested riparian corridor is well over 300 feet (the red polygon on the enclosed aerial photo demarcates the 300-foot buffer from the approximate river centerline). The parcel also contains portions of a side channel feature that the county wants to protect as a winter rearing area for Chinook salmon.

The location of the side channel is critical in that it is just downstream of two of the four primary spawning areas for the Snohomish Fall Chinook stock. Snohomish Fall Chinook may be especially dependent on freshwater rearing habitat. Data collected from returning adults suggest that a high proportion of the stock spends an entire year in freshwater habitat before moving to salt water.

Project Ref	Grantee	Project Name	State
00-1770-2000	WA IAC	Tolt River Aquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	07-FEB-01-31-OCT-04	Salmon Habitat Protection and Restoration	$284,125	$0	Puget Sound

Project Description

The King County Department of Natural Resources requests $399,500 to conduct acquisitions in the Tolt River Basin. The funding would be used to purchase up to 80 acres. The target parcels lie in significant channel migration areas along the lower Tolt River, approximately from RM 2.5 - 3.5 and from RM 5.5 - 6.5.

Much of this area is a high quality, undeveloped riparian corridor. Log jams create pools and deflect flows into side channels. The number and extent of side-channel formations provide a high degree of habitat complexity, creating a full range of habitats for multiple species and multiple life stages.

The objective of this acquisition is to prevent additional residential development in the stream corridor up to the Forest Production District boundary and to encourage the interplay of natural processes on the landscape. Acquired land will be managed for habitat protection by the King County Parks System. King County Parks System has an excellent track record of managing habitat areas through its natural area protocol, which currently applies to more than 1,000 acres countywide.

Project Ref	Grantee	Project Name	State
00-1771-2000	WA IAC	Lake Beecher Acquisition - Snohomish	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-01-30-SEP-02	Salmon Habitat Protection and Restoration	$11,456	$0	Puget Sound

Project Description

Cascade Land Conservancy (CLC) seeks to acquire the "Lake Beecher" properties, encompassing 210 acres of critical and threatened habitat approximately 2 km below the confluence of the Skykomish & Snoqualmie on the mainstem Snohomish River. The proposed conservation area supports critical and threatened habitat including Lake Beecher, an historic oxbows almost 1 mile in length; over 40 acres of mature riparian habitat; and off-channel rearing habitat. This critical habitat surrounds over 100 acres of floodplain currently in agricultural use.

The site provides an opportunity to protect a prime riparian corridor, maintain & restore off channel rearing habitat & refugia, & replant native vegetation in the floodplain. It is critically important to chinook due to proximity to key spawning area. A portion of the dike has been partially breached, establishing hydrologic connectivity with Lake Beecher at high flood events. Following acquisition, CLC, in partnership with the Snohomish County, will initiate Phase 2 to design and implement restoration & management that is fully integrated with adjoining lands.

The project is directly connected and integrated with other salmon recovery efforts on the mainstem upstream, including Ricci Island (SRFB) & Twin River Quarries (SRFB). Acquisition will create a protected network of over 2200 acres with over 2 contiguous miles along both sides of the mainstem, providing substantial benefit to a diversity of fish and wildlife species.

Project Ref	Grantee	Project Name	State
00-1773-2000	WA IAC	Patterson Creek Reach 3A Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	07-FEB-01-21-JAN-05	Salmon Habitat Protection and Restoration	$200,600	$0	Puget Sound

Project Description

King County Department of Natural Resources requests $200,600 for acquisitions in an important reach of Patterson Creek. Salmon Recovery Funding would be used to purchase two (2) parcels totaling 37.3 acres. The target parcels host mature coniferous, forested wetlands along both banks of Patterson Creek. The undeveloped riparian area extends will over 300 feet on either side of the stream. Extensive beaver activity helps to maintain high quality rearing habitat for salmonids thought the year.

King County targeted these parcels for acquisition in 1995 as part of its Waterways 2000 program. Waterways 2000 was a program that identified and protected hundred of acres of important aquatic habitat in King County. The program received an Achievement Award from the national Association of Counties in 1996 as an innovative program worthy of replication by other local governments.

This acquisition would add to an existing 150 acre waterways 2000 site owned by the County and managed for habitat protection purposes. The objective of this acquisition is to insure protection of important stream associated wetland habitat. Acquired land will be managed for habitat protection by the King County Parks System. King County Parks System has an excellent track record of managing habitat areas through its natural area protocol, which currently applies to more than 1,000 acres countywide.

Project Ref	Grantee	Project Name	State
00-1780-2000	WA IAC	Griffin Creek Mid-Zone Reach Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	07-FEB-01-31-OCT-04	Salmon Habitat Protection and Restoration	$240,103	$0	Puget Sound

Project Description

King County Department of Natural Resources requests $249,900 to complete acquisitions in an important reach of Griffin Creek. Salmon Recovery Funding would be used to purchase up to 25 parcels totaling 15 acres. The target parcels extend about one third of a mile along both banks of Griffin Creek. The undeveloped riparian area extends more than 300 feet on the left bank of the stream and 100-300 feet on the right bank. King County targeted these parcels for acquisition in 1995 as part of its Waterways 2000 program. Waterways 2000 was a program that identified and protected hundreds of acres of important aquatic habitat in the County. The program received an Achievement Award from the National Association of Counties in 1996 as an innovative program worthy of replication by other local governments. This acquisition would add to two existing Waterways 200 sites, encompassing 48 acres, owned by the county and managed for habitat protection purposes. The objective of this acquisition is to prevent additional residential development in the stream corridor up to the Forest Production District boundary and to encourage the interplay of natural processes on the landscape. Acquired land will be managed for habitat protection by the King County Parks System. King County Parks System has an excellent track record of managing habitat areas through its natural area protocol, which currently applies to more than 1,000 acres county wide.

Project Ref	Grantee	Project Name	State
00-1784-2000	WA IAC	Cedar River/Ricardi Reach	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAR-01-31-MAR-05	Salmon Habitat Protection and Restoration	$212,500	$0	Puget Sound

Project Description

This project takes a reach approach to continue acquisition of high value salmonid habitat within an approximate 25-acre reach of the lower Cedar River mainstem between approximately RM 7.2 and 7.4. An additional 16 acres of the reach would be protected including riparian forested floodplain, 1,700 feet of river frontage along both banks and the mouth and lower reaches of a spring-fed tributary. This project builds on other significant conservation efforts including buyout of two homes and partial floodplain restoration in 1997 and the donation of seven (7) acres of adjacent floodplain in 1999.

The Cedar River supports one of the few known native runs of Chinook in WRIA 8 and adds to the base of protected habitat area for coho, steelhead, sockeye, resident trout, and wildlife. The Cedar River Council supports this project and ranked it among its highest priorities in 1998. The anticipated outcome of this project is to permanently protect additional valuable habitat in this reach thus creating a significantly sized core habitat for salmonids in the lower Cedar River.

The reach approach acknowledges that salmonid habitat and it's protection nearly always requires working at a larger geographic scale than that of a single parcel or non-contiguous parcels. The strategy is to focus on the overall reach and achieve protection of the reach a few parcels at a time.

Project Ref	Grantee	Project Name	State
00-1786-2000	WA IAC	Upper Bear Creek Conservation Area 2	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JAN-02-31-AUG-03	Salmon Habitat Protection and Restoration	$250,000	$0	Puget Sound

Project Description

This application seeks additional funding for the optioned timber rights over the remaining 340 acres of the Paradise Valley Conservation Area. Snohomish County was successful in the Early 2000 SRFB funding round for the timber rights on 324 acres. This current project request of $250,000 would enable the County to come closer to the $1.1 million needed to purchase the optioned rights.

The Cascade Land Conservancy, in partnership with Snohomish County, has completed the negotiations for the purchase of the total 664 undeveloped, forested acres in the headwaters of Bear Creek. (The purchase will be finalized in November, 2000.) The property owners have agreed to donate approximately $1,321,000 in land and timber rights, and a 3-year option on the $1.1 million dollars of timber value for a portion of the property outlined on the attached map. The property is a regionally significant resource area and provides habitat for Chinook, Coho, Steelhead, Kokanee, and Sockeye salmonid species.

Project Ref	Grantee	Project Name	State
00-1790-2000	WA IAC	Cedar River/Dorre Don Meanders Reach	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAR-01-30-APR-05	Salmon Habitat Protection and Restoration	$170,000	$0	Puget Sound

Project Description

This project takes a reach approach to continue acquisition of high value salmonid habitat within an approximate 100-acre reach of the lower Cedar River mainstem between approximately rivermile 15.0 and 16.3.

Of the total Dorre Don Meanders Reach, almost half is already protected and consists of floodplain, side channel, and riverine habitats that is among the largest area of protected salmonid habitat within the lower Cedar River. The remaining unprotected portions of the reach include unbroken stretches of mainstem riverine habitat up to 800 feet in length and side channel areas located on multiple parcels of approximately 5 acres.

The Cedar River supports one of the few known native runs of Chinook in the WRIA and adds to the base of protected habitat area for coho, steelhead, sockeye, resident trout, and wildlife. The Cedar River Council supports this project and ranked its highest priorities in 2000.

The anticipated outcome of this project is to permanently protect additional valuable habitat in this reach thus creating a significantly sized core habitat for salmonids in the lower Cedar River.

The reach approach acknowledges that salmonid habitat and it's protection nearly always requires working at a larger geographic scale than that of a single parcel or non-contiguous parcels. The strategy is to focus on the overall reach and achieve protection of the reach a few parcels at a time.

Project Ref	Grantee	Project Name	State
00-1800-2000	WA IAC	Issaquah/Holder Creek Acquistion	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAR-01-31-MAY-03	Salmon Habitat Protection and Restoration	$200,000	$0	Puget Sound

Project Description

This application is for the acquisition of five (5) properties along Holder Creek, a primary tributary of Issaquah Creek. The immediate benefits are the protection of 124 acres of mature forest with approximately 3,000 feet of stream length along Holder Creek with an additional 1,500 feet of tributaries.

This reach provides excellent salmonid rearing and spawning areas, and protection of process areas (braided channels, confluences, gravels, and woody debris). The long term benefits are to provide protection of a critical link of Holder Creek from Tiger Mountain State Forest (WA DNR) to Taylor Mountain Forest (King County). These properties are a key component of the overall Issaquah Creek/Lake Sammamish Waterways Program. Waterways is committed to preserving the best remaining riparian habitat along Issaquah Creek from Lake Sammamish to Tiger and Taylor Mountains. The sites include steep forested upper headwaters and are essential to the protection of water quantity, water quality, and aquatic habitat for all of Issaquah Creek.

Issaquah Creek supports ESA listed Chinook, char (possibly ESA listed bull trout), sockeye, coho, steelhead, kokanee, and cutthroat. The draft State/Tribal Plan for WRIA 8 states "Protection should be the cornerstone of habitat recovery efforts for Lake Washington Chinook." In addition, the acquisition of these five (5) lots has been supported by the Sammamish Watershed forum, who is providing matching funding.

Project Ref	Grantee	Project Name	State
00-1804-2000	WA IAC	Stavis Estuary Preservation Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-31-MAR-05	Salmon Habitat Protection and Restoration	$1,125,000	$0	Puget Sound

Project Description

The Stavis Estuary Preservation Project will acquire and permanently preserve one of the finest estuaries in Hood Canal and the Kitsap Peninsula.

This 2-year, $1.5M project aims to purchase for Kitsap's County open space Program. 13 parcels on 88 acres with 7,250 from feet (1.4 miles) of estuarine shoreline along this last, best remaining estuary. The project is coordinated with the Hood Canal Salmon Sanctuary, a multi-agency effort among WDFW, DNR, UW, Kitsap County, Point No Point Treaty Council, Hood Canal Environmental Council, and the Kitsap Land Trust, which has purchased some 580+ acres in Stavis and adjacent watersheds.

This project was selected based on the prioritized recommendations of the Kitsap Peninsula Refugia Study classified as a Tier 1 project in the Hood Canal Coordinating Council's Salmon Recovery Strategy. The Project site is immediately downstream from DNR's 550-acre Kitsap Forest Natural Area Preserve. By acquiring these parcels we will ensure that 19 potential building sites are not developed in this sensitive area that provides a prime example of a healthy, fully functional estuary.

Recent scientific studies have made a persuasive argument for preserving ecologically functional refugia areas as the cornerstone of a long-term conservation program: this project aims to do just that by preserving the best of the best refugia areas in the region.

Project Ref	Grantee	Project Name	State
00-1817-2000	WA IAC	Dungeness Water Cons./Instream Flows	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	29-JAN-01-31-DEC-03	Salmon Habitat Protection and Restoration	$169,516	$0	Puget Sound

Project Description

Salmon habitat will be improved by increasing instream flows (especially during critical low flows) by piping leaking irrigation canals in the Dungeness watershed WRIA 18 Clallam County. An estimated five (5) cfs will be saved. All stocks of Dungeness River salmon including listed Puget Sound Chinook, Hood Canal/Easter Strait of Juan de Fuca summer chum, bulltrout, pink, and steelhead will benefit from increased river flows. Proposed projects are recommended in WRIA 18 Limiting Factors to address low flows and are high priority in DRAWU Comprehensive Water Conservation Plan prepared under Ref. 38. SEPA checklist was completed for the Plan.

Increased flows will also lower river temperatures; piping canals will eliminate the introduction of pollutants into the Dungeness. The Jamestown S'Klallam Tribe is the project sponsor partnering with the Water Users Association. Work can begin immediately. Preliminary design/engineering is completed; construction will be within existing rights of way; no additional permits are required. Estimated costs come from State funds, Water users O&M budget and inkind services. State dollars will go to contracted labor, materials/equipment/project management and project success monitoring. The WUA and Tribe will provide engineering, inspection, some labor/equipment. Identical to past projects resulting in water left instream through irrigation efficiency, this project will result in increased flows and quantifiable increases in Chinook salmon habitat.

Project Ref	Grantee	Project Name	State
00-1823-2000	WA IAC	Tassel Creek Bridge/Sol Duc Watershed	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-01-SEP-01	Salmon Habitat Protection and Restoration	$77,441	$0	Washington Coastal

Project Description

The purpose is to replace a fish blockage (culvert) with a bridge. This will open 3.77 miles of spawning and rearing habitat for coho, steelhead, Chinook, chum, and sea-run cutthroat. This is the last human made barrier in Tassel Creek, a tributary to the Sol Duc River. This project will complete a sequence begun by Clallam County and Pacific Coast Salmon Coalition in 1997, following recommendation of Sol Duc Watershed Analysis prescriptions and WDFW off-channel survey. This project also includes habitat enhancement with large woody debris (logs and root wads). Presently, the blocked area has prime fish habitat with good cobble and gravel, average 7° C clear waters, and an adequate riparian area. The project is listed in the Limiting Factors for WRIA 20.

Project Ref	Grantee	Project Name	State
00-1841-2000	WA IAC	Metzler Park Side Channel Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	26-JAN-01-31-DEC-04	Salmon Habitat Protection and Restoration	$450,000	$0	Puget Sound

Project Description

The purpose of the Metzler Park Side Channel project is to acquire property, which includes four (4) parcels on an existing side channel that provides high quality riparian habitat adjacent to Metzler Park, which includes over 900 acres of County owned natural areas, managed exclusively for natural resource protection.

The mainstem of the Green River is migrating in the direction of the side channel; if this continues to occur, private landowners could attempt to forestall this through construction of revetments. Acquisition of these parcels would allow the river to continue its migration and not jeopardize private property as well as allowing the river to function naturally.

The project will preserve up to 75 acres of habitat, including portions of two side channels that are hydraulically connected to the Green River with a wide range of flow conditions and as well as providing access to juvenile and adult salmonids. Lack of connectivity between the Green River Ecosystem Restoration Study and WRIA 9 Reconnaissance Report.

This reach of the Green River is an area of highly functioning ecological processes, with active natural erosion of channel banks, formation of gravel bars and debris jams, and shifting of river channel courses. The primary enhancement need on this site would be to place greater densities of LWD within the side channels in order to increase their habitat functionability.

Project Ref	Grantee	Project Name	State
00-1843-2000	WA IAC	Kanaskat North Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	26-JAN-01-31-MAR-05	Salmon Habitat Protection and Restoration	$515,000	$0	Puget Sound

Project Description

The purpose of the Kanaskat North acquisition project is to acquire up to 75 acres of property along a remnant historic side channel to the middle Green River just below the Tacoma headworks. The property is mixed deciduous and young coniferous riparian forest/wetland complex that is hydraulically connected to the Green River.

The proposed acquisition site is near one of the highest density Chinook spawning areas in the Green River, and is located along a reach that was targeted for natural resource acquisitions under King County's Waterways 2000 Program, which resulted in acquisition of over 600 acres of land along the middle Green River. All of these areas are managed exclusively for natural resource protection, and Kanaskat North would be managed in the same way. Washington State DNR also owns extensive holdings just downstream, throughout the Green River gorge. Much of this land is undeveloped as well.

The loss of habitat connectivity between features such as side channels and the mainstem was identified as a limiting factor by the Green Duwamish Ecosystem Restoration Study (ERS), a collaborative effort between King County, the US Army Corps of Engineers, and most of the watershed's cities, as well as the WRIA 9 Factors of Decline Subcommittee. Funded separately under the ERS, subsequent restoration at this site would occur as early as 2003.

Project Ref	Grantee	Project Name	State
00-1853-2000	WA IAC	Big Spring Creek Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	26-JAN-01-31-MAR-05	Salmon Habitat Protection and Restoration	$525,000	$0	Puget Sound

Project Description

This acquisition project has several components. The first involves acquisition of parcels that surround the stream's headwaters in order to protect the spring source. The second and third components involve acquisition of parcels within two (2) areas downstream of the headwaters that comprised the historic stream corridor but are now hydraulically disconnected due to the stream being diverted along a County road. One of these target areas is a riparian wetland and the other is open pasture. The stream has been routed around these properties, and now functions as a ditch. Acquisition of these second and third component parts would allow restoration of the historic stream corridor and riparian area.

Big Spring Creek is a cold, spring fed tributary to Newaukum Creek a tributary to the Green River, near Enumclaw. It provides rearing habitat for coho and other salmon species (note the Newaukum coho run is listed in SASSI as "depressed"), and has significantly lower summertime temperatures than Newaukum Creek.

Restoration at this site would occur as part of the Green Duwamish Ecosystem Restoration Study, a collaborative effort between King County, the US Army Corps of Engineers, and was endorsed as an 'early action' project by the Green - Duwamish Forum in 1998. This restoration, beginning as early as 2003, could involve extensive efforts from community groups such as Trout Unlimited, the Mid-Sound Fisheries Enhancement Group, and the King Conservation District.

Project Ref	Grantee	Project Name	State
00-1857-2000	WA IAC	Nisqually Estuary Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	20-FEB-01-31-DEC-03	Salmon Habitat Protection and Restoration	$174,865	$0	Puget Sound

Project Description

This project will restore to the Nisqually Delta and estuary approximately 31 acres of diked pasture, returning it to its original saltmarsh condition. The project will be accomplished by removing perimeter dikes adjacent to Red Salmon Slough, a Nisqually Delta tributary, and allowing the tide to again flow over the saltmarsh. The site of this project is the 410 acre Braget Farm, located on the Pierce County side of the Nisqually Delta and now owned by the Nisqually Indian Tribe. In July 2000 the Tribe completed an inventory and preliminary restoration plan for the farm which identified estuarine restoration opportunities and established a priority for implementation. This grant application will fund the highest priority identified in that plan. Restoration of estuarine habitat was identified in the Nisqually Chinook Recovery Plan as the highest recovery priority for the Nisqually River. Further, because the Nisqually River estuary provides a high percentage of estuarine habitat in southern Puget Sound, this restoration project is significant for regional salmon recovery.

Project Ref	Grantee	Project Name	State
00-1858-2000	WA IAC	Black River Refuge	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	26-JAN-01-30-DEC-03	Salmon Habitat Protection and Restoration	$299,982	$0	Washington Coastal

Project Description

This project acquired high quality riparian habitat along the Black River and Waddell Creek, one of the largest remaining riparian wetland systems in western Washington. The three properties protect more than 165 acres of wetland and upland habitat and approximately two miles of river frontage along Black River. The Rainbow Valley and Schuetzen properties lie directly across the river from Thurston County's Glacial Heritage Site, providing an important link with the natural area.

Project Ref	Grantee	Project Name	State
00-1859-2000	WA IAC	Grauwen Ohop Creek Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAR-01-30-APR-02	Salmon Habitat Protection and Restoration	$182,325	$0	Puget Sound

Project Description

The goal of this project is to acquire for permanent protection a former dairy farm (the 96 acre Grauwen Farm) in the Ohop Creek Valley. This property, which contains an important salmon stream and riparian habitat, is threatened with development that would severely degrade the stream and habitat. The property has a few remaining farm buildings, but no residences; however, residences could be developed on the upland portion of the property. The majority of the farm's acreage is low-lying pasture on both sides along approximately 1/2 mile of Ohop Creek. Ohop Creek is the third largest tributary to the Nisqually River and provides important salmonid habitat for several species. Protection of the Grauwen Farm will provide for permanent protection for an important section of this stream and will allow implementation of salmon habitat restoration to go forward on the property.

Project Ref	Grantee	Project Name	State
00-1860-2000	WA IAC	Collins/Bartlett Shoreline Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-FEB-01-01-DEC-04	Salmon Habitat Protection and Restoration	$168,300	$0	Puget Sound

Project Description

The objective of the Collins/Bartlett shoreline purchase is to permanently protect a section of the mainstem Nisqually River (WRIA 11) by acquiring in fee 20 acres, with approximately 1200 feet of river frontage. These two 10-acre parcels are adjacent to larger 20+ acre Land Trust ownership, and acquiring them will expand this block of permanently protected habitat. The Collins parcel is undeveloped and has excellent habitat values. The Bartlett property is primarily pasture and will be an excellent area for habitat restoration. If purchased, the land will remain undeveloped in perpetuity; this will facilitate improvement of natural salmon production of the mainstem Nisqually. This project is part of a larger salmon recovery priority for the Nisqually River, to permanently protect the mainstem Nisqually shoreline and riparian habitat, a distance of approximately 42 river miles (or 84 shoreline miles). Acquisition of this critical habitat is well underway in the Nisqually basin, with over 65% of these shoreline miles permanently protected.

Acquiring the Collins/Bartlett shoreline is an important step in furthering this implementation. This acquisition will primarily benefit Chinook salmon and steelhead, both species that depend on the mainstem for spawning and rearing. The applicant will hold title to the land and provide long-term stewardship and land management. The project is supported by the Nisqually River Council and the Nisqually Indian Tribe.

Project Ref	Grantee	Project Name	State
00-1861-2000	WA IAC	Cozy Valley Creek Enhancement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-02-31-DEC-04	Salmon Habitat Protection and Restoration	$33,000	$0	Washington Coastal

Project Description

The project objectives are the restoration of the stream, riparian and upland area around Scatter Creek on the property of Chris Platter. This project will demonstrate land management activities which have beneficial effects on salmon habitat. The Platter project is a participant in the Scatter Creek Habitat Conservation Plan (HCP) effort. This plan will be a long-term management tool authorized under the Endangered Species Act (ESA) to conserve threatened and endangered species and will protect salmonids which utilize the creek and which may be listed under the ESA. The HCP partnership between local landowners, agencies and organizations is working to develop conservation measures to protect creek habitat and receive protection under the ESA. The areas of Scatter Creek on the Platter property are currently degraded and provide minimal habitat for salmonids. Demonstration Project activities include fencing for livestock exclusion, riparian planting and rehabilitation, roof-run-off systems, waste management systems, and in-stream structures to restore channel function. The stream provides habitat to several salmon is species. Coho, Chum, Cutthroat and Steelhead all spawn and rear in Scatter Creek. Bull trout may reside there. Currently bull trout is threatened, chum is threatened, steelhead is threatened, coho is a candidate species for listing and cutthroat trout id proposed for listing.

Project Ref	Grantee	Project Name	State
00-1862-2000	WA IAC	Nisqually River Watershed Revegetation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-01-01-FEB-05	Salmon Habitat Protection and Restoration	$35,000	$0	Puget Sound

Project Description

This project will establish or improve riparian buffers along streams in the Nisqually River Watershed by utilizing two existing programs at the Pierce Conservation District. Technicians from the Farm Assistance program will work with landowners to prepare a riparian buffer planting plan. All planting plans are written according to USDA Natural Resources Conservation Service specifications and standards. Stream Team will hire WCC crews for site prep, order materials, and coordinate volunteers to plant the buffer. Trees and shrubs have potential to benefit salmon in many ways. They provide shade to cool waters in the summer and provide root strength to prevent streambank erosion. They contribute leaf litter as a food source, and once grown, fall into the stream providing many benefits to juvenile salmon.

Many times, private landowners are interest in improving riparian conditions, but lack the funds and resources to do so. For example, many landowners do not qualify for the Conservation Reserve Enhancement Program that provides eligible landowners with cost-share dollars to establish streamside buffers. This proposal accommodates those landowners who are not eligible to receive financial help from state and federal programs.

This grant proposal consists of purchasing plant materials, protective devices to increase survival and time from the Washington Conservation Corps to assist in site preparation.

Project Ref	Grantee	Project Name	State
00-1864-2000	WA IAC	Un-named Creek Barrier Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	06-FEB-01-30-JUL-04	Salmon Habitat Protection and Restoration	$191,292	$0	Washington Coastal

Project Description

Unnamed Creek, WRIA # 22-0420 in Grays Harbor County, is a tributary to the Middle Fork Satsop River. This creek supports coho, chum, cutthroat, and possibly chinook and steelhead. A county culvert at stream-mile 0.9 precludes fish access to the upper three (3) miles of excellent spawning, off-channel rearing, and overwintering habitat in this 4000+ acre watershed. The project goal is to replace the blocking culvert, which is currently four (4) feet in diameter, with a larger fish passable culvert that is 16 feet in diameter to reopen access to habitat due to blocking culverts is one of the primary limiting factors for the Satsop River Basin, as supported by the 1993 U.S. Fish and Wildlife Chehalis Basin Report, 1993, the WDFW, and Quinalt Tribe Instream Culvert Study (personal communication with Bruce Baxter) 1995, the WDF Catalog of Washington Streams Salmon Utilization, 1975, and the most recent limiting factors analysis by the Conservation Commission and Dr. Carol Smith, the primary author (personal communication). Project partners are Columbia Pacific R. C. & D., Chehalis Basin Fisheries Task Force, Grays Harbor County, Simpson Timber Co., in cooperation with WDFW Habitat Program engineers and biologists. This is one of the two blocking culvert projects being proposed in the 300 square-mile Satsop watershed by CBFTF at this time. The culvert would be replaced in August 2001.

Project Ref	Grantee	Project Name	State
00-1868-2000	WA IAC	Nisqually R@ Old Pacific Hwy Off-Channel	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-FEB-01-01-NOV-01	Salmon Habitat Protection and Restoration	$46,780	$0	Puget Sound

Project Description

This project involves enlarging an existing off-channel salmonid rearing pond (located NE of the Old Pacific Hwy bridge over the Nisqually River) from 1/20 acre to approximately 1/4 acre in order to expand rearing habitat availability during primary use, fall through spring. In addition to excavating an estimated 1500 cubic yards of material, rootwads and logs will be placed to create cover habitat for juvenile. Prior sampling by WDFW in March of 1999 showed promising numbers of over-wintering coho salmon pre-smolts and cutthroat trout using the existing small pond. Off-channel seasonal rearing areas are limited in the Nisqually watershed. WDFW will be assisting with planning, design, construction supervision (compliance), and monitoring. Monitoring (5 year plan) will include sampling of fish use annually in March by various sampling techniques (electrofish, seining) as well as observations of wetland and riparian vegetation established. Project partners include US Army-Fort Lewis, WDFW, Pierce County Public Works, Nisqually Indian Tribe and SPSSEG.

Project Ref	Grantee	Project Name	State
00-1871-2000	WA IAC	Singer Creek Barrier Removal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	06-FEB-01-30-JUL-04	Salmon Habitat Protection and Restoration	$177,218	$0	Washington Coastal

Project Description

Singer Creek, WRIA # 22-0375 in Grays Harbor County, is a tributary to the West Fork Satsop River. This creek supports coho, chum, cutthroat, and possibly chinook and steelhead. A county culvert at stream-mile 0.5 precludes fish access to the upper three (3) miles of excellent spawning, off-channel rearing, and overwintering habitat in this 1800+ acre watershed. The project goal is to replace the blocking culvert, which is currently five (5) feet in diameter, with a larger fish passable culvert that is 13 feet in diameter to reopen access to critical habitat. Blocking culverts is one of the primary limiting factors for the Satsop River Basin, as supported by the 1993 U.S. Fish and Wildlife Chehalis Basin Report, 1993, the WDFW, and Quinalt Tribe Instream Culvert Study (personal communication with Bruce Baxter) 1995, the WDF Catalog of Washington Streams Salmon Utilization, 1975, and the most recent limiting factors analysis by the Conservation Commission and Dr. Carol Smith, the primary author (personal communication). Project partners are Columbia Pacific R. C. & D., Chehalis Basin Fisheries Task Force, Grays Harbor County, Simpson Timber Co., in cooperation with WDFW Habitat Program engineers, and biologists. This is one of the two blocking culvert projects being proposed in the 300 square-mile Satsop watershed by CBFTF at this time. The culvert would be replaced in August 2001.

Project Ref	Grantee	Project Name	State
00-1880-2000	WA IAC	Hanaford Creek Barrier Removal Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-01-31-DEC-05	Salmon Habitat Protection and Restoration	$298,814	$0	Washington Coastal

Project Description

The project is located in Hanaford Creek, a tributary to the Skookumchuck River near Centralia, Washington. With a drainage area of 13.8 square miles above the barrier, the objective is to provide fish passage by removing an existing 12-foot diameter barrier culvert. The existing culvert poses a velocity barrier to migrating anadromous fish and exceeds the maximum outfall drop that prevents upstream movement of juvenile and resident fish. A new 28-foot span bottomless culvert, designed streambed, root wad placement, and streamside tree plantings are proposed. Construction will be completed during the fish window of one construction season. Visual fish monitoring by local volunteers and juvenile sampling by Lewis County will continue for three (3) years.

The barrier is located 9.1 miles upstream from the confluence with the Skookumchuck River. Removal of this barrier will open 7.4 miles of spawning and rearing habitat. Currently, steelhead, coho and cutthroat trout are known to use the stream above the barrier. Under ESA, both coho salmon and cutthroat trout are being considered as candidates for federal listing. Steelhead trout are considered "depressed" by the WDFW.

This project addresses the primary issue identified in the Draft Limiting Factors for WRIA 23, access to spawning and rearing habitat. Other enhancements in the basin include water quality protection and 7,200 feet of tributary riparian restoration in the Hanaford Creek basin.

Project Ref	Grantee	Project Name	State
00-1884-2000	WA IAC	East Twin River LWD Placement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	12-MAR-01-30-JUN-05	Salmon Habitat Protection and Restoration	$645,027	$0	Puget Sound

Project Description

This project will help to re-establish the dominant ecological processes of East Twin River to improve and protect water quality and productive fish habitats. The project will restore wood to the channels to provide for natural storage and routing of sediment and cover for fish, help rebuild adequate riparian forests to improve fish habitat and water quality; and provide for vital off-channel winter habitat for salmon.

It is anticipated the project will create about 3 miles of improved spawning habitat, 3 miles of improved rearing habitat and 4 miles of improved riparian forest habitat. The WRIA 19 Limiting Factor Analysis verifies that these channel reaches are LWD depleted and suffer from excessive sedimentation. Logging activities have heavily impacted the riparian area.

LWD placement into Sadie Creek will be accomplished by tower and cable from existing landings and/or by helicopter. The Instream work in Sadie Creek will be done by a contracted "Spider".

LWD placement into the East Twin will primarily be constructed conifer logjams done by track hoe. Some on site wood will be utilized in the East Twin; however, logs will be trucked in to meet the wood requirement. The East Twin segment will be modeled to emulate the Deep Creek and Little Hoko Restoration Projects. The Sadie Creek segment of the project will be used to evaluate the feasibility of employing this restoration technique on a much larger scale on other wet side rivers.

Project Ref	Grantee	Project Name	State
00-1890-2000	WA IAC	South Bend Mill Creek Restoration Projec	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-01-APR-04	Salmon Habitat Protection and Restoration	$78,500	$0	Washington Coastal

Project Description

The South Bend, Mill Creek Stream restoration project will restore approximately 800 feet of spawning habitat and reconnect off-channel estuary rearing habitat for salmon. Our strategy this round was to focus on small spawning streams where we had sufficient data and could interface with the estuarine projects from the past SRFB funding rounds. This stream had three (3) surveys completed by three (3) separate consultants to validate the potential of the project, plus willing landowners and local support. "Salmon and Steelhead Habitat Limiting Factors in the Willapa Basin" identifies loss of large, woody debris (LWD), rearing habitat, and spawning gravel as limiting factors in this part of the watershed. The project will directly benefit salmon by: creating spawning habitat, establishing a riparian zone, and creating access for off-channel rearing. The LWD will be installed using the "engineered approach". Currently, Chum and Coho salmon have been seen attempting to use the stream for spawning. By being located at the edge of South Bend across from a public boat launch, public education and outreach will be a highlight of the project. The City of South Bend, Department of Transportation, South Bend School District, Weyerhaeuser, South Bend Revitalization, and Willapa Bay Organization are partnering together for this project. Weyerhaeuser logged the area upstream about ten (10) years ago; consequently, the area is stable with no logging and road access is closed.

Project Ref	Grantee	Project Name	State
00-1892-2000	WA IAC	Elk Creek Restoration Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-01-OCT-04	Salmon Habitat Protection and Restoration	$69,594	$0	Washington Coastal

Project Description

The objective of the Elk Creek project is to restore about 1.2 miles of spawning habitat for salmonids. "Salmon and Steelhead Limiting Factors in the Willapa Basin" identifies loss of spawning habitat and LWD in the Willapa River watershed, which this project addresses. Our strategy this round was to focus on small streams where adequate data, willing landowners, and citizen support could be obtained. Focusing on streams near estuaring projects help utilize and enhance the salmon capability. The unique feature of this stream is the large existing estuary at the mouth of the stream; however, loss of spawning habitat fails to take advantage of this excellent rearing habitat. By connecting these two (2) important elements, the project will restore spawning habitat for salmon recovery. Control structures for stream pool and riffle creation will be installed. The LWD will be installed using the "engineered method." Riparian zone will be improved and fencing will be provided for livestock exclusion. Salmon have been observed using the stream, thus access at the lower end is not an issue. This project will be a partnership with landowners, WBFEG, and the South Bend School District, who will do monitoring, maintenance, reporting, public outreach, and education. The area was logged about 10 years ago; the area is stable now with very limited road access and no activity is expected for about 30 years. All landowners along the creek are very supportive of the project.

Project Ref	Grantee	Project Name	State
00-1893-2000	WA IAC	Butte Creek Restoration Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-04-OCT-04	Salmon Habitat Protection and Restoration	$74,500	$0	Washington Coastal

Project Description

The Butte Creek project objective is to restore about one (1) mile of spawning habitat for salmonids. Our strategy this round was to focus on small streams where adequate data, willing landowners, and citizen support could be obtained. Because the last set of projects funded by the SRFB focused on estuary, we felt that spawning habitat needed to be addressed. "Salmon and Steelhead Limiting Factors in the Willapa Basin" lists lack of large, woody debris and spawning habitat in the North River watershed. The project will establish controls for pools and riffles, install LWD, and gravel. The LWD will be installed using the "engineered method". The riparian zone will be fenced and improved. Salmon have been seen attempting to use this stream, so access is not an issue for the main stream. However, because of a lack of quality spawning beds, production of this stream is limited. The upper reaches of the stream consist of forestland and DNR property that is in a protected status, and part of the watershed for Raymond water supply. Below the project area, there is a wetlands area that will provide rearing habitat. The missing element is sufficient spawning beds, which this project proposes to rectify. This project will target primarily Coho; however, Chinook and Cutthroat will benefit also. This is a partnership project with WBFEG, the property owners, Pacific County, and the South Bend School District who will perform monitoring, maintenance, public outreach and education.

Project Ref	Grantee	Project Name	State
01-1409-2000	WA IAC	Lower Yelm Restoration Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-02-31-MAR-07	Salmon Habitat Protection and Restoration	$113,500	$0	Puget Sound

Project Description

This project will add wood to the creek to scour pools, sort and retain gravel, slow bank erosion and provide cover for juvenile salmonids. Additional rearing habitat will be made available by reconstructing a pond/wetland area that was filled with sediment by a debris flow several years ago. An existing fence will be improved to ensure livestock exclusion from the creek. Livestock access has increased erosion, impaired water quality and degraded the riparian vegetation.

Project Ref	Grantee	Project Name	State
01-1411-2000	WA IAC	Lower Mashel Enhancement Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-02-31-MAR-07	Salmon Habitat Protection and Restoration	$113,000	$0	Puget Sound

Project Description

This project will focus on the lower 0.7 miles of the Mashel River; which includes vital spawning and rearing habitat for chinook, coho, pink, steelhead, and cutthroat trout. This project will decommission or modify 0.5 miles of a previous washed-out road in the lower Mashel River valley to stop and prevent future fine sediment input. The project will directly enhance the salmon habitat by adding several pieces of Large Woody Debris (LWD) in the same reach as recommended by the Mashel River Watershed Analysis (DNR 1997).

Project Ref	Grantee	Project Name	State
04-1438-2000	WA IAC	Close Property Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$66,477	$0	Puget Sound

Project Description

This project will acquire nearly 560-feet of high quality nearshore habitat. The Close Property features an active feeder bluff, mature mixed-stand marine riparian forest, and a mixed-course sediment beach with large woody debris, sorted sediments, and associated aquatic habitats. The nearshore in the project area has been documented to support a great diversity of salmonid species and important prey resources, including chinook, chum, coho, pink, cutthroat, steelhead, sand lance, surf smelt, and herring. The project area may support other salmonid species, such as bull trout. This project will protect on-site habitats and functions important to the success of salmonids and their prey resources in the nearshore. Based on the Bainbridge Island Nearshore Assessment, a SRFB funded project, we know the Close Property is a priority conservation area located within an at-risk drift-cell. The project is important to maintaining properly functioning conditions along a drift-cell that contains very sensitive habitats, including a stream subestuary/lagoon, a pocket estuary, and forage fish spawning areas. The Close Property is at-risk of being sold & developed, but can become a significant part of a larger system of nearshore and terrestrial habitat conservation if acquired. This grant request will contribute to the acquisition of the nearshore portions (i.e. intertidal and marine riparian habitat) of the 64-acre Close Property, which abuts the 318-acre Gazzam Lake Park and Wildlife Preserve.

Project Ref	Grantee	Project Name	State
99-1747-2000	WA IAC	Jobs for Environment: 01-016	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-31-DEC-01	Salmon Habitat Protection and Restoration	$0	$2,641,289	Washington

Project Description

Provide resources to DNR for the funding of their Jobs for the Environment program. The JFE shall award and administer grants for watershed restoration. Entities eligible to apply for the watershed restoration grants include: state and local govts; Tribes and non-profit organizations. These eligible entities shall utilize displaced natural resource workers to carry out the work.

Project Ref	Grantee	Project Name	State
SBT-Habitat	Shoshone-Bannock	Herd Creek irrigation diversion	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$9,500	$0	Idaho

Project Description

¿Construct a fish-friendly irrigation diversion in Herd Creek that provides adult passage and effective juvenile bypass at all water flows

Project Ref	Grantee	Project Name	State
SBT-Habitat-01a	Shoshone-Bannock	SBT - Salmon Habitat Restoration - 01	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$79,000	$0	Salmon

Project Description

Funds are needed to continue the habitat and production activites initiated with the previous year's funds. Providing the additional funds will allow habitat and production projects to continue while the tribal program develops its capacity to utilize a larger share of the Columbia Basin PCSRF in the future.

Project Ref	Grantee	Project Name	State
SBT-Habitat-01	Shoshone-Bannock	SBT-Habitat-Slate Creek-Assessment/Feasibility Study	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-31-DEC-03	Salmon Habitat Protection and Restoration	$35,838	$0	Salmon

Project Description

Conduct a watershed assessment of the present condition and habitat damage and develop a feasibility plan for mitigating the impacts of the 1997 landslides caused by abandoned mines in Slate Creek. Due to the 1997 blowout, the middle three to five miles of stream now has a foot-deep layer of hardened mud substrate that needs removed. Following removal, construction of riparian protection fencing to exclude grazing, and planting vegetation to stabilize the banks and providing thermal cover, combined with possible construction of gabions and log- and rock jams to recruit gravel substrate could restore this valuable spawning and rearing habitat. The assessment and feasibility plan for restoration of the 1997 blowout will enable remedial actions for those problems to be carried out with FY 2002 funds, the feasibility study will also assess mitigation actions required to stabilize the abandoned mine preventing future excessive erosion and sediment loading. Reclamation of the abandoned mine will probably entail a more costly and longer term solution.

Project Ref	Grantee	Project Name	State
SBT-Habitat-02	Shoshone-Bannock	SBT-Habitat-Upper Salmon Basin-Dewatered Tributary Feasibility Study	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-31-DEC-03	Salmon Habitat Protection and Restoration	$33,585	$0	Salmon

Project Description

Conduct a feasibility study to identify the problems and causes (either natural or irrigation) of dewatered tributary streams in the upper Salmon Basin (from Morgan Creek to the Salmon River headwaters; e.g., Morgan, Challis, Bayhorse, Thompson, Kinnikinic, Squaw, Elk, Gold, Williams, Fourth of July, Champion, Beaver, Pole, Smiley, Frenchman creeks). If these creeks are dewatered by irrigation, investigate alternatives with the NMFS and IDFG to evaluate and identify opportunities to get water back into the tributaries for riparian and spawning habitat improvement while creating improved irrigation efficiency (buy-outs, switch to pumps, improve efficiency) and connecting those tributaries to the mainstem. Work with the experts in NMFS, USFS, IDFG, local residents, and others, to determine the need for and designs of irrigation improvements (screens, water rentals, conversion to pump irrigation, etc.). Reconnection would de-fragment habitat, improving ecosystem function, and may help reduce water temperatures downstream in the main Salmon and would provide access to adult and especially juvenile salmon and steelhead. These creeks provide a valuable and significant role as temperature refuges for juvenile anadromous fish. Preliminary observations indicate that the majority of the problems in the tributaries below Valley Creek occur in the bottom quarter to half mile of each creek. Thus, in six creeks (Morgan to Squaw) where the problem is near the creek mouth, only a total of one to three miles of creek would be re-watered; however, over more than 40 miles of rearing habitat would be reconnected. Conversely, the Valley Creek tributaries (Elk and Gold creeks) and above (Williams to Frenchman creeks) - referred to as the headwaters of the Salmon River - are replete with a myriad of de-watering problems, both natural and irrigation. This maze of irrigation ditches that cross, re-cross and connect to each other are not presently a high priority to the IDFG screen shop and the Mitchell Act funds that support screening because these areas are not presently occupied by anadromous fish (SBT disagree). However, the amount of rearing habitat that could be reconnected through resolving this nightmare may very well be a significant contribution to the recovery of Snake River spring chinook salmon. The actions to solve the problem are elusive. Identifying the problems in the headwaters and laying out alternative solutions can possibly be accomplished in FY 2002, but the actions to resolve these problems may well take more than a year through consultations and collaboration with local water users, governmental agencies, and habitat/hydrology experts. However, due to the importance of these systems to a significant proportion of the total listed Snake River spring/summer chinook population, funding the initial assessment and feasibility work is a priority.

Project Ref	Grantee	Project Name	State
SBT-Habitat-03	Shoshone-Bannock	SBT-Habitat-Lemhi River/main Salmon-Plant Vegetation	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-31-DEC-03	Salmon Habitat Protection and Restoration	$20,778	$0	Salmon

Project Description

Plant vegetation (primarily willows) to jump-start riparian recovery to provide thermal cover and bank stabilization in areas that the Lemhi Model Watershed effort has constructed riparian protection fence projects. Preliminarily, approximately two miles in the Lemhi River that are presently being fenced, and about a quarter-mile of the main Salmon River north of Salmon, Idaho are prime candidates for this activity. Another potential is to provide vegetative plantings for three new Confined Animal Feedlot Operations in the Salmon, Idaho area, to provide bank stabilization and to perhaps move towards nutrient overloading control.

Project Ref	Grantee	Project Name	State
SBT-Habitat-04	Shoshone-Bannock	SBT-Habitat-Lower Stanley-Fence	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-31-DEC-03	Salmon Habitat Protection and Restoration	$15,145	$0	Salmon

Project Description

Construct approximately 1.5 miles of riparian protection/restoration fence on the main Salmon River between Valley Creek and the town of Lower Stanley and plant associated vegetation (primarily willows and Douglas fir and cottonwoods) to provide bank stabilization and thermal cover. This main Salmon River reach, especially the areas next to its banks, is important rearing habitat primarily for spring chinook salmon. This project will also potentially provide improved water quality (primarily decreased temperatures and decreased sediment loading from excluding cattle grazing) for the main Salmon River downstream of the site.

Project Ref	Grantee	Project Name	State
SBT-Habitat-05	Shoshone-Bannock	SBT-Habitat-Beaver Creek-Fence	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-31-DEC-03	Salmon Habitat Protection and Restoration	$11,766	$0	Salmon

Project Description

Construct riparian protection/restoration fencing and plant vegetation (primarily willows and shrubs) on approximately one mile of Beaver Creek (near main Salmon River headwaters). This area is of prime importance to spring chinook salmon rearing and spawning.

Project Ref	Grantee	Project Name	State
SBT-Habitat-06	Shoshone-Bannock	SBT-Habitat-Smiley Creek-Assessment/Feasibility Study	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-31-DEC-03	Salmon Habitat Protection and Restoration	$3,880	$0	Salmon

Project Description

Conduct a watershed assessment of present damage and determine the feasibility of correcting the problem of the severly downcut lower reach (approximately one mile - which is dewatered) of Smiley Creek. The middle stretch (approximately 2 miles) is a relatively healthy meandering C-channel that mayor may not need fencing. The abandoned mine at the headwaters presents unstable conditions similar to the Slate Creek mine (a big-time blowout waiting to happen) and the feasibility study will determine possible solutions to stabilizing the old mine.

Project Ref	Grantee	Project Name	State
SBT-Habitat-07	Shoshone-Bannock	SBT-Habitat-Herd Creek-Fish Screen	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-31-DEC-03	Salmon Habitat Protection and Restoration	$30,798	$0	Salmon

Project Description

Design and install a regulated headgate and fish-friendly diversion hard-point at Herd Creek 3 diversion with the fish passage, engineering and hydrology personnel from the NMFS, BLM, IDFG, and Custer County Soil and Water Conservation Service. Presently, there is no headgate, and push-up dams are constructed annually creating a fish passage impediment and barrier to Herd Creek, which is a significant producer of Snake River spring/summer chinook and steelhead.

Project Ref	Grantee	Project Name	State
SBT-Habitat-08	Shoshone-Bannock	SBT-Habitat-East Fork South Fork-Fish Barrier	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-31-DEC-03	Salmon Habitat Protection and Restoration	$3,880	$0	Salmon

Project Description

Assist with removing the fish passage barrier above Glory Hole on the East Fork South Fork Salmon River. The barrier is a result of mining activity with the Stibnite Mine near Yellowpine, Idaho in the 1930's and 40's diverting the river around the pit. The pit where the barrier is now in the middle of the river and is now a cascade of boulders preventing upstream fish passage. The Idaho Department of Environmental Quality presently is proposing this action in cooperation with the IDFG and OSC through the NPPC Fish and Wildlife Program (using BPA funds). The issue has become time sensitive because the mine is being put to bed and in three years the use of heavy equipment will preclude this action. Plus, with increased runs into the South Fork Salmon River over the past decade, hatchery outplantings of adult Snake River chinook salmon into areas above the Glory Hole barrier have been accomplished through cooperative efforts of the IDFG, NMFS, NPT and SBT. The adult outplants have resulted in successful spawning and juvenile fish production, and the removal of the adult fish barrier will allow returning progeny of those outplants to return to the re-opened area and supplement natural production.

Project Ref	Grantee	Project Name	State
SBT-Habitat-09	Shoshone-Bannock	SBT-Habitat-South Fork Salmon River-	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-31-DEC-03	Salmon Habitat Protection and Restoration	$3,880	$0	Salmon

Project Description

Assist the USFS with re-establishing a cut-off oxbow meander in the South Fork Salmon River at Reed Ranch. The meander was caused by a rain-on-snow event approximately 30 years ago. The breach is on private land (Browns Industries) and if the oxbow can be re-watered it would provide significant prime spawning habitat, decreased sediment loading and decreased stream channel undercutting below the cut-off meander. The USFS has been attempting a resolution to this issue for many years, and could involve a land transfer between the South Fork Salmon River Reed Ranch and lands at the base of Brundage Ski Area (Browns Industries).

Project Ref	Grantee	Project Name	State
SBT-Habitat-10	Shoshone-Bannock	SBT-Habitat-Panther Creek-Restoration Plan	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-31-DEC-03	Salmon Habitat Protection and Restoration	$15,828	$0	Salmon

Project Description

Conduct a feasibility study and plan for restoration of Snake River spring/summer chinook salmon and steelhead in the Panther Creek watershed. The watershed has been replete with mining disasters from the Blackbird and Beartrack mines that have rendered the water quality unacceptable to anadromous fish for the past couple of decades. A Settlement Agreement between the NMFS, IDFG, mining company(ies) and USFS has resulted in water quality improvements to the point where over 45 Snake River spring/summer chinook salmon redds were counted in 2001 resulting from adult outplants from the South Fork Salmon River rack. A feasibility plan detailing goals, biological objectives, and actions to re-introduce and recover anadromous fish production in this once significant watershed would be accomplished.

Project Ref	Grantee	Project Name	State
SBT-Habitat-11	Shoshone-Bannock	Salmon Habitat Restoration	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-FEB-02-30-SEP-02	Salmon Habitat Protection and Restoration	$5,000	$0	Salmon

Project Description

Although this project does not specifically provide habitat restoration, it will be closely linked to and coordinated with other ongoing habitat enhancement and protection efforts in the area.

Project Ref	Grantee	Project Name	State
23 370 01	Round Valley	Fisheries Biologist Salary Supplement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$15,000	$0	California

Project Description

Fisheries/Wildlife Biologist directs and oversees the development and implentation of the various programs and projects carried out under the Fisheries Program. The Biologist also designs the stream restoration projects, conducts field surveys, trains tribal personnel iin various methodologies, writes the grants, prepares the reports, develops new programs and participates in various IDT reviews of the Tribes Natural Resource Management Objectives.

Project Ref	Grantee	Project Name	State
23 370 41	Round Valley	Mill Creek Riparian Restoration - Phase IV	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$60,000	$0	Northern California Coastal

Project Description

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Project Ref	Grantee	Project Name	State
23 370 50	Round Valley	Riparian Vegetation Nursery	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$2,381	$0	California

Project Description

The Tree Nursery will serve several purposes. The primary one is to provide a variety of different riparian tree species that the Tribe will be able to utilize on its own Stream Restoration projects. Secondly, if any additional plants are available, they would be made available for sale to other stream restoration pursuits going on in the valley, or else where.

In addition, NRD has worked out an arrangement with Tech Prep, (local education and junior college affiliate) to use and maintain the nursery as a learning facility for students in a "hands on" working environment.

Project Ref	Grantee	Project Name	State
23 370 00 2003	Round Valley	Equipment Acquisition (Service Truck)	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03- -	Salmon Habitat Protection and Restoration	$28,500	$0	Northern California Coastal

Project Description

Stream Restoration and various Road Repair projects.

Project Ref	Grantee	Project Name	State
23 370 02 2003	Round Valley	Secretarial Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-31-DEC-04	Salmon Habitat Protection and Restoration	$8,187	$0	Northern California Coastal

Project Description

Office space, utilities, data entry, secretarial support, etc...

Project Ref	Grantee	Project Name	State
23 370 03 2003	Round Valley	Training and Travel	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-31-DEC-04	Salmon Habitat Protection and Restoration	$2,300	$0	Northern California Coastal

Project Description

To stay current with latest training and attend pertinent Fisheries Conference. (PCSRF mtgs et.al.)

Project Ref	Grantee	Project Name	State
23 370 10 2003	Round Valley	Road Repair and Maintenance	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-31-AUG-04	Salmon Habitat Protection and Restoration	$35,895	$0	Northern California Coastal

Project Description

Culvert removal, rock rolling dips, ditch repair, road-side armoring, etc

Project Ref	Grantee	Project Name	State
23 370 41 2003	Round Valley	Mill Creek SRP (IV)	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-MAY-04-31-OCT-04	Salmon Habitat Protection and Restoration	$53,524	$0	Northern California Coastal

Project Description

Improve and re-establish instream Habitat and Riparian corridor functions.

Project Ref	Grantee	Project Name	State
23 370 00 2002	Round Valley	Heavy Equipment Acquisition (Water Truck)	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03- -	Salmon Habitat Protection and Restoration	$30,000	$0	Northern California Coastal

Project Description

Stream Restoration (watering riparian Veg.) and various Road Repair projects.

Project Ref	Grantee	Project Name	State
23 370 02 2002	Round Valley	Office and Secretarial Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JAN-02-31-DEC-03	Salmon Habitat Protection and Restoration	$12,550	$0	Northern California Coastal

Project Description

Office space, utilities, data entry, secretarial support, etc...

Project Ref	Grantee	Project Name	State
23 370 03 2002	Round Valley	Training and Travel	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JAN-03-31-DEC-03	Salmon Habitat Protection and Restoration	$3,765	$0	Northern California Coastal

Project Description

To stay current with latest training and attend pertinent Fisheries Conference. (PCSRF mtgs et.al.)

Project Ref	Grantee	Project Name	State
23 370 10 2002	Round Valley	Road Repair and Maintenance	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-30-SEP-03	Salmon Habitat Protection and Restoration	$48,338	$0	Northern California Coastal

Project Description

Culvert removal, rock rolling dips, ditch repair, road-side armoring, etc

Project Ref	Grantee	Project Name	State
23 370 41 2002	Round Valley	Mill Creek SRP Phase - III	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-NOV-03	Salmon Habitat Protection and Restoration	$50,200	$0	Northern California Coastal

Project Description

Improve and re-establish instream Habitat and Riparian corridor functions.

Project Ref	Grantee	Project Name	State
23 370 50 2002	Round Valley	Riparian Vegetation Nursery	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-30-APR-03	Salmon Habitat Protection and Restoration	$11,994	$0	Northern California Coastal

Project Description

Grow our own native riaparian tree and veg. Stock for our own extensive use, but to provide veg. To other restoration projects in the area

Project Ref	Grantee	Project Name	State
23 370 00 2001	Round Valley	Heavy Equipment Acquisition (Backhoe)	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-02-30-APR-02	Salmon Habitat Protection and Restoration	$30,000	$0	Northern California Coastal

Project Description

Stream Restoration and Road Repair projects

Project Ref	Grantee	Project Name	State
23 370 02 2001	Round Valley	Office and Secretarial Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JAN-02-31-DEC-02	Salmon Habitat Protection and Restoration	$10,000	$0	Northern California Coastal

Project Description

Office space, utilities, data entry, secretarial support, etc...

Project Ref	Grantee	Project Name	State
23 370 10 2001	Round Valley	Road Inventory, Repair and Maintenance	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-31-OCT-02	Salmon Habitat Protection and Restoration	$40,000	$0	Northern California Coastal

Project Description

Culvert removal, rock rolling dips, ditch repair, road-side armoring, etc

Project Ref	Grantee	Project Name	State
23 370 10 2001	Round Valley	Road Inventory, Repair and Maintenance	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-31-OCT-02	Salmon Habitat Protection and Restoration	$10,000	$0	Northern California Coastal

Project Description

Culvert removal, rock rolling dips, ditch repair, road-side armoring, etc

Project Ref	Grantee	Project Name	State
23 370 32 2001	Round Valley	Tribal Warden Enforcement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-01-30-APR-02	Salmon Habitat Protection and Restoration	$10,000	$0	Northern California Coastal

Project Description

Partial funding support of Wardens Enforcement activities.

Project Ref	Grantee	Project Name	State
23 370 41 2001	Round Valley	Mill Creek SRP Phase - II	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-AUG-02-30-NOV-02	Salmon Habitat Protection and Restoration	$35,000	$0	Northern California Coastal

Project Description

Improve and re-establish instream Habitat and Riparian corridor functions.

Project Ref	Grantee	Project Name	State
23 370 41 2001	Round Valley	Mill Creek SRP Phase - II	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-AUG-02-30-NOV-02	Salmon Habitat Protection and Restoration	$10,000	$0	Northern California Coastal

Project Description

Improve and re-establish instream Habitat and Riparian corridor functions.

Project Ref	Grantee	Project Name	State
23 370 00 2000	Round Valley	Heavy Equipment Acquisition (Excavator)	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-30-JUN-01	Salmon Habitat Protection and Restoration	$88,000	$0	Northern California Coastal

Project Description

Stream Restoration and Road Repair projects

Project Ref	Grantee	Project Name	State
23 370 02 2000	Round Valley	Office and Secretarial Work	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JAN-01-31-DEC-01	Salmon Habitat Protection and Restoration	$10,084	$0	Northern California Coastal

Project Description

Office space, utilities, data entry, secretarial support, etc...

Project Ref	Grantee	Project Name	State
23 370 10 2000	Round Valley	Road Inventory, Repair and Maintenance	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-31-OCT-01	Salmon Habitat Protection and Restoration	$32,084	$0	Northern California Coastal

Project Description

Culvert removal, rock rolling dips, ditch repair, road-side armoring, etc

Project Ref	Grantee	Project Name	State
23 370 41 2000	Round Valley	Mill Creek SRP Phase - I	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-30-NOV-01	Salmon Habitat Protection and Restoration	$37,020	$0	Northern California Coastal

Project Description

Improve and re-establish instream Habitat and Riparian corridor functions.

Project Ref	Grantee	Project Name	State
OWRD002a	OWEB OR Water Resources Department	OWRD Habitat Protection and Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-SEP-03	Salmon Habitat Protection and Restoration	$821,588	$0	Oregon

Project Description

Distribute water to instream water rights, protect instream water rights from injury. Project will target ESUs that occur in Oregon coastal watersheds and Columbia River tributaries in Oregon. The data summarizes 449 flow restoration actions that occurred in 65 5th field HUCs in Oregon. For this report, the earliest start date and the latest end date for the orders approving the instream transfer, allocation of conserved water or lease are listed. For permanent instream water rights, there is no project end date; however, a numeric entry was required so the end date is listed as 50 years from the start date.

Project Ref	Grantee	Project Name	State
ODF001a	OWEB OR Department of Forestry	Oregon Plan Coordination, Tech Assist, Information Mgt, and Accomplish	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Salmon Habitat Protection and Restoration	$271,309	$189,281	Oregon

Project Description

This project funds 3 technical specialist who will provide statewide policy and technical expertise to implement Oregon Plan's forestry measures to protect, and restore native salmonid populations, watersheds, fish and wildlife habitats and water quality while sustaining a healthy forest economy. They develop and maintain the technical guidance for fish passage, instream restoration, and riparian enhancement projects on private forestlands.

Project Ref	Grantee	Project Name	State
ODF001b	OWEB OR Department of Forestry	Forest Management and Forest Pratices Technical Asistance for Individual	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Salmon Habitat Protection and Restoration	$3,164,433	$1,728,140	Oregon

Project Description

This project partially funds 68 field stewardship foresters that provide technical assistance to private forest landowners. Specifically, this project will provide key technical asistance related to Oregon Plan implementation and environmental improvements on forest lands.

Project Ref	Grantee	Project Name	State
ODFW004d	OWEB OR Department of Fish and Wildlife	Habitat and Fish Management Biologists	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Salmon Habitat Protection and Restoration	$85,346	$0	Northern Oregon Coastal

Project Description

Assistant District Biologist (2.92 FTE): Work directly with District Fish Biologists and are associated with ongoing District fieldwork such as landowner assistance, habitat restoration, creel surveys, and other fish management activities that support the Oregon Plan. Serve as lead worker to field crews, and often share responsibility with the District Fish Biologist to represent the Department at public meetings. They work with the District Fish Biologist in development of annual angling regulations that protect indigenous stocks. Habitat Biologist (3.0 FTE): Provide technical assistance/consultation for State/Federal agencies, local governments, watershed councils, and landowners on protection, enhancement and restoration of fish and wildlife habitats. Assist with critical elements of the Oregon Plan, which are to allow sustainable development and also minimize, mitigate, or eliminate negative impacts to fish and wildlife habitat.

Project Ref	Grantee	Project Name	State
ODFW007	OWEB OR Department of Fish and Wildlife	Water Policy and Streamflow Program	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Salmon Habitat Protection and Restoration	$255,353	$0	Oregon

Project Description

This project funds 2.13 FTE to provide statewide policy expertise to the Department in the area of water quantity, quality and water right issues as they relate to the protection of salmonids, other fish, wildlife and their habitats. Advise other state and federal agencies, local governments, private organizations and individuals of the potential effects and impacts policies, rules and actions will have on salmonids, other fish and wildlife resources and their habitats. Suggest and recommend modifications of proposed policies, rules and actions to provide protection for salmonids and other fish and wildlife resources and their habitats. Facilitate ODFW's ability to efficiently and effectively manage, analyze and display natural resource information so it can be used for resource based decisions on the management and restoration of salmonids and other fish and wildlife resources and their habitats.

Project Ref	Grantee	Project Name	State
ODFW003	OWEB OR Department of Fish and Wildlife	Fish Screens and Fish Passage Program	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Salmon Habitat Protection and Restoration	$582,082	$0	Oregon

Project Description

These PCSRF funds will be used to fund three positions (3.0 FTE) and their associated services and supplies. All three of these positions provide the technical and financial assistance needed by water users throughout the state to install appropriate fish screening and passage facilities required to restore and protect migrating salmonids.

Project Ref	Grantee	Project Name	State
ODFW004a	OWEB OR Department of Fish and Wildlife	Salmon and Fish Management Biologists	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Salmon Habitat Protection and Restoration	$78,627	$0	Southern Oregon Coastal

Project Description

Assistant District Biologist (2.92 FTE): Work directly with District Fish Biologists and are associated with ongoing District fieldwork such as landowner assistance, habitat restoration, creel surveys, and other fish management activities that support the Oregon Plan. Serve as lead worker to field crews, and often share responsibility with the District Fish Biologist to represent the Department at public meetings. They work with the District Fish Biologist in development of annual angling regulations that protect indigenous stocks. Habitat Biologist (3.0 FTE): Provide technical assistance/consultation for State/Federal agencies, local governments, watershed councils, and landowners on protection, enhancement and restoration of fish and wildlife habitats. Assist with critical elements of the Oregon Plan, which are to allow sustainable development and also minimize, mitigate, or eliminate negative impacts to fish and wildlife habitat.

Project Ref	Grantee	Project Name	State
ODFW004i	OWEB OR Department of Fish and Wildlife	Habitat and Fish Management Biologists	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Salmon Habitat Protection and Restoration	$145,369	$0	Willamette

Project Description

Assistant District Biologist (2.92 FTE): Work directly with District Fish Biologists and are associated with ongoing District fieldwork such as landowner assistance, habitat restoration, creel surveys, and other fish management activities that support the Oregon Plan. Serve as lead worker to field crews, and often share responsibility with the District Fish Biologist to represent the Department at public meetings. They work with the District Fish Biologist in development of annual angling regulations that protect indigenous stocks. Habitat Biologist (3.0 FTE): Provide technical assistance/consultation for State/Federal agencies, local governments, watershed councils, and landowners on protection, enhancement and restoration of fish and wildlife habitats. Assist with critical elements of the Oregon Plan, which are to allow sustainable development and also minimize, mitigate, or eliminate negative impacts to fish and wildlife habitat.

Project Ref	Grantee	Project Name	State
OWEB 204-317	OWEB	Yaquina River Estuarine Wetlands	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$323,004	Northern Oregon Coastal

Project Description

Approximately 600 acres of high priority estuarine marsh habitat in Yaquina Bay on Oregon's central coast would be acquired and protected if this project were funded. The sites to be acquired are the highest priority sites identified in a cooperative assessment project involving a 40-member committee. OWEB funds would be used for purchase of land or easements.

Project Ref	Grantee	Project Name	State
OWEB 204-391	OWEB	Yainix Ranch-Model Conservation Easememt	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$225,000	Klamath

Project Description

A conservation easement would be purchased to ensure the restoration of two miles of the Sycan River. This is habitat for the endangered Lost River and short-nosed suckers and the area contributes to high nutrient loading in Upper Klamath Lake. This is a model conservation easement based upon restoration of stream function and maintaining the agricultural base of the community.

Project Ref	Grantee	Project Name	State
OWEB 205-001	OWEB	Ecola Cr Forest Reserve	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$185,000	Northern Oregon Coastal

Project Description

The City of Cannon Beach, working with a "Friends" group, is proposing to acquire 120 acres of Ecola Creek habitat from Weyerhaeuser Company. The property includes roughly ¾ mile of the West and North Fork Ecola Creek waterways and will connect to 94 acres currently owned and protected by the City. All of the requested $185,000 OWEB funds will be used for purchase of the property.

Project Ref	Grantee	Project Name	State
OWEB 205-004	OWEB	Walluski River Estuary Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$107,685	Lower Columbia

Project Description

This project will restore full tidal function to 30+ acres of floodplain wetlands along the Walluski River, a tributary of Youngs Bay in Clatsop County. Restoration will include removal of a levee and two tidegates, recontouring of historic tidal channels and re-establishing native vegetation. Roughly 90% of the requested OWEB funds will be used for removal of the existing levee, building a new levee to protect adjacent upstream landowners and the filling of the existing drainage ditches.

Project Ref	Grantee	Project Name	State
OWEB 205-007	OWEB	E Olalla Cr Passage & Riparian	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$134,090	Northern Oregon Coastal

Project Description

This application proposes to conduct a variety of restoration activities, including culvert to bridge replacements, fencing and riparian plantings, on the properties of 10 landowners along the East Fork of Olalla Creek, a tributary of the Yaquina River near the town of Toledo. A fairly extensive education component involving field labs and several local schools is included in the proposal. The majority of the requested OWEB funds ($108,000) are budgeted for culvert removal and bridge installation. The education component is budgeted for $16,000, while personnel and supplies costs total $10,050.

Project Ref	Grantee	Project Name	State
OWEB 205-007	OWEB	E Olalla Cr Passage & Riparian	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$20,350	$0	Oregon

Project Description

This application proposes to conduct a variety of restoration activities, including culvert to bridge replacements, fencing and riparian plantings, on the properties of 10 landowners along the East Fork of Olalla Creek, a tributary of the Yaquina River near the town of Toledo. A fairly extensive education component involving field labs and several local schools is included in the proposal. The majority of the requested OWEB funds ($108,000) are budgeted for culvert removal and bridge installation. The education component is budgeted for $16,000, while personnel and supplies costs total $10,050.

Project Ref	Grantee	Project Name	State
OWEB 205-008	OWEB	Phase II Mill Cr Riparian 2005	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$20,675	Northern Oregon Coastal

Project Description

This application proposes to remove invasive vegetation and plant native tree and shrub species on the property of four contiguous landowners along 5,400 feet of Mill Creek, a tributary of the Trask River in Tillamook County. A portion of the funds requested from OWEB ($3,200) will be used for two years of twice yearly contracted tree release. $9,600 is budgeted for contracted labor for site preparation, planting and installation of tree protection devices, $4,000 for project management and $2,500 for supplies and materials.

Project Ref	Grantee	Project Name	State
OWEB 205-013	OWEB	L Dixon Cr Riparian Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$25,837	Southern Oregon Coastal

Project Description

The project proposes to enhance a 600-acre property that includes part of Dixon Creek. Enhancement activities include the installation of riparian fencing, riparian planting, stockwater development and two stream crossings for livestock. Completion of this project will mean the entire sub-watershed has been treated with riparian BMPs.

Project Ref	Grantee	Project Name	State
OWEB 205-014	OWEB	Tenmile Lakes' WS Riparian Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$85,049	Southern Oregon Coastal

Project Description

The project would enhance riparian and lakefront areas within four subbasins with native deciduous and spruce seedlings on private and Coos County roads. These areas have been identified in the Council's Watershed Assessment as having less then 50% shade and are priority areas for riparian restoration.

Project Ref	Grantee	Project Name	State
OWEB 205-015	OWEB	Boulder Cr Instream Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$104,500	Southern Oregon Coastal

Project Description

The project would be the final phase in restoring large wood to Boulder Creek. Five types of native anadromous species use Boulder Creek. It is a Tier 1 key watershed and is identified as the highest restoration priority in the South Umpqua. When completed large wood would be restored back along eight miles of Boulder Creek, two miles of Slick Creek and one mile of Pinnacle Creek.

Project Ref	Grantee	Project Name	State
OWEB 205-016	OWEB	U Umpqua WS Phase I	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$207,240	Southern Oregon Coastal

Project Description

The project proposes to coordinate and implement instream and sediment reduction projects that address watershed concerns across multiple ownership boundaries. The goal is to place log and boulder structures in approximately five miles of spawning and rearing habitats and improve nine miles of roads in Hubbard Creek. The project areas provide critical spawning and rearing habitats for salmonids.

Project Ref	Grantee	Project Name	State
OWEB 205-018	OWEB	Tenmile Lakes' WS Fish Passage & Sediment Abatement 2005	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$265,970	Southern Oregon Coastal

Project Description

The project proposes to remove 13 fish passage and/or sediment problem structures and place 5 large wooded structures along one mile of stream flowing through agricultural lands. Overall, the project will enhance 15 miles of essential salmonid habitats. Project sites have been identified as priority “fixes” through the Council’s Watershed Assessment.

Project Ref	Grantee	Project Name	State
OWEB 205-019	OWEB	Mill Cr Riparian Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$15,788	Southern Oregon Coastal

Project Description

The project proposes to enhance a 400-acre property that includes part of Mill Creek and an unnamed tributary. Project activities include riparian fencing, riparian planting, stockwater development and two livestock stream crossings.

Project Ref	Grantee	Project Name	State
OWEB 205-020	OWEB	E Fork Williams Cr Salmonid Habitat Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$35,970	Southern Oregon Coastal

Project Description

The project proposes to enhance native salmonid habitats through placement of large wood and boulders in the East Fork of Williams Creek over a two-year period. The project is located in Williams Creek in the Applegate sub-basin of the Rogue River. Project activities would enhance instream complexity for adult and juvenile salmonids.

Project Ref	Grantee	Project Name	State
OWEB 205-021	OWEB	S Sisters Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$31,115	Southern Oregon Coastal

Project Description

This project proposes to enhance instream habitats in South Sister's and Bum Creeks. Approximately 50 sites will have log and boulder structures placed. Project work will improve 2.5 miles of spawning and rearing habitats in the two streams.

Project Ref	Grantee	Project Name	State
OWEB 205-024	OWEB	Coquille WS Riparian Enhancement Project 2004	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$98,000	Southern Oregon Coastal

Project Description

This project proposes to enhance approximately 15 miles of riparian area within the Coquille Watershed through constructing riparian fencing and planting native tree and plant species.

Project Ref	Grantee	Project Name	State
OWEB 205-027	OWEB	McKinney Cr Stream Habitat Enhancement & Floodplain	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	26-SEP-04-30-DEC-05	Salmon Habitat Protection and Restoration	$0	$28,916	Willamette

Project Description

This project will restore and enhance wetlands and off-channel stream habitat on 20 acres of floodplain along McKinney Creek. Two off channel alcoves will be excavated to create refugee for steelhead and Coho salmon smolts during high flows. Floodplain terraces will be sculpted to allow for a positive flow back to the stream as high flows recede. Riparian Forest will be planted to create a 100 ft. wide streamside buffer. The remaining floodplain terrace will be planted to native wet prairie grasses and forbs. OWEB funds would be used for personnel, travel, contracted services, supplies/materials and administration.

Project Ref	Grantee	Project Name	State
OWEB 205-030	OWEB	Simmonds Cr Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$199,870	Willamette

Project Description

This project proposes to restore aquatic passage to 3 miles of important tributary habitat to Lower Blue River making it accessible to native species spring Chinook salmon, bull trout, rainbow trout and cutthroat trout. A concrete bridge would be installed that replaces an existing passage barrier culvert. OWEB funds would be used for personnel (project mgr.), contracted services (design, materials and labor) and administration.

Project Ref	Grantee	Project Name	State
OWEB 205-056	OWEB	N Sherman Conservation Work	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$48,088	Middle Columbia

Project Description

This project would implement conservation practices on five operations in North Sherman County to reduce erosion/sedimentation in the John Day and Columbia rivers. Conservation practices include 66 water and sediment control basins, 24,067 feet of new terraces, 1,370 feet of reconstructed terraces and 3.6 acres of grassed waterway.

Project Ref	Grantee	Project Name	State
OWEB 205-057	OWEB	Grass Valley Conservation Work	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$56,178	John Day

Project Description

This project includes development of one spring, one solar pump and watering facility, eighteen water and sediment control basins (WASCBs), reconstruction of four WASCBs, 8,905 feet of new terraces and reconstruction of 78,713 feet of existing terraces in dryland wheat cropped land in the Grass Valley Watershed, a tributary to the John Day River.

Project Ref	Grantee	Project Name	State
OWEB 205-060	OWEB	Bottle Cr & N Fork Clark Cr Tributary Exclosure Fences	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	21-SEP-04-31-JUL-06	Salmon Habitat Protection and Restoration	$0	$12,210	Lower Snake

Project Description

The project proposes to construct a barbed-wire, let-down fence in place of existing temporary electric fencing, which has proven unreliable to prevent livestock from entering riparian exclosures. Exclosures are needed to protect stream and riparian habitat and will benefit resident redband trout and steelhead. OWEB funds are requested for fencing contract (91%) and administration (9%). Cost-share partners are the USFS and permittees.

Project Ref	Grantee	Project Name	State
OWEB 205-061	OWEB	U Ladd Cr Fish Passage Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	21-SEP-04-31-DEC-06	Salmon Habitat Protection and Restoration	$0	$9,302	Lower Snake

Project Description

An undersized culvert will be replaced with a bridge to establish fish passage over the dam at Ladd Creek pond to access 2.5 miles of habitat. Also, an undersized culvert on Smutz Draw will be replaced with a counter-sunk, squash culvert to provide optimum fish passage to 1.5 miles of fish habitat. Watershed benefits include fish habitat improvement, passage and reduced sediment delivery. OWEB funds are requested for bridge materials and installation (75%), culvert and installation (15%) and administration (9%). The USFS is a cost-share partner.

Project Ref	Grantee	Project Name	State
OWEB 205-062	OWEB	Bear Cr Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	21-SEP-04-31-DEC-06	Salmon Habitat Protection and Restoration	$0	$5,503	Lower Snake

Project Description

The project will enhance steelhead habitat in Bear Creek in the upper Grande Ronde Basin by obliterating 1.0 mile of draw-bottom road and construct 1.1 miles of ridgetop road to replace the obliterated road. In addition, conifers and grasses will be planted in the riparian area and large woody debris will be placed on approximately 1.0 miles of stream. OWEB funds are requested for road work (78%), planting (13%) and administration (9%). Cost-share partners are BPA, USFS and Title II funds.

Project Ref	Grantee	Project Name	State
OWEB 205-068	OWEB	Powder River Water Quality Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$828,863	Middle Snake-Powder

Project Description

Located in Baker County along the Powder River, this project will remove 6,000 head of cattle from 9 miles of the Powder River. Components include 10.5 miles of fence, 80 troughs, 14 rock weirs, 30 miles of pipe, 65,940 plants and 6 river crossings. OWEB funds are requested for personnel (2%), engineering (4%), pipeline (77%), troughs (6%), plants (4%), river crossing (3%), administration/outreach (3%) and monitoring (1%). Cost-share partners include EQIP, USFWS, Baker Valley SWCD, NRCS, and the landowners.

Project Ref	Grantee	Project Name	State
OWEB 205-070	OWEB	Hanna Stream Protection	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$32,138	Middle Snake-Boise

Project Description

The project will install 1.8 miles of fencing, 2 water diversions with fish screens, develop alternative livestock water sources and plant riparian and upland vegetation on 22 acres on the North Fork of Indian Creek near Westfall. Watershed benefits include improved water quality, increased late-season flows, increased floodplain storage and improved upland conditions. OWEB funds are requested for project manager (11%), SWCD engineering (12%), materials (52%), seed (5%), cattleguard (5%), administration (9%) and monitoring (6%). Other cost-share partners include USFWS, ODFW, Malheur SWCD, NRCS and the landowner.

Project Ref	Grantee	Project Name	State
OWEB 205-075	OWEB	K Dairy Revitalization	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$75,785	Middle Snake-Boise

Project Description

The project will significantly improve water quality in the Willow Creek drainage west of Vale. Project components include designing a waste-contamination facility to reduce the 9.5 tons/acre/year of soil loss, 12,000' of cross-fencing, two animal waste ponds, wildlife pond and four troughs. OWEB funds are requested for engineering/tech assistance (4%), contracted labor for fencing, pipe and ponds (39%), materials (47%) and administration/monitoring (10%). Cost-share partners include EQIP, Malheur SWCD and the landowners.

Project Ref	Grantee	Project Name	State
OWEB 205-076	OWEB	Addendum to Willow Cr #201-237	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$65,905	Middle Snake-Boise

Project Description

This project will continue a water quality improvement project in Willow Creek by installing 8,050' of pipe, 8 ponds and 12 diversions. Project implementation continues previous work to implement SB 1010 and improve upland conditions. OWEB funds are sought for engineering/project management (25%), diversions (16%), pond/end walls (8%), equipment rental (38%), pipe (4%) and administration (9%). Cost-share partners are NRCS engineering and the Orchard Irrigation District/landowners.

Project Ref	Grantee	Project Name	State
OWEB 205-077	OWEB	Lazy Open at Ranch Water Quality & Habitat Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	04-OCT-04-31-DEC-06	Salmon Habitat Protection and Restoration	$0	$25,635	Oregon Closed Basins

Project Description

Proposed restoration on 400 acres of riparian and wetland habitat includes 9,169' of riparian fencing, windbreaks, 3,820' of pipeline and plant materials. Watershed objectives include improved water quality, improved vegetation and improved uplands conditions. OWEB funds are requested for project management (3%), tree planting/fencing contractors (11%), pipe (53%), fencing (16%), plants (8%) and administration (9%). Cost-share partners include landowners, Friends of Malheur Refuge, USFWS, ODA, and Harney SWCD.

Project Ref	Grantee	Project Name	State
OWEB 205-078	OWEB	Silvies River Corridor Resource Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	04-OCT-04-31-DEC-06	Salmon Habitat Protection and Restoration	$0	$37,032	Oregon Closed Basins

Project Description

The project includes the cooperative inventory, treatment and eradication of invasive vegetation species on public and private lands adjacent to the Silvies - 60 miles long and 23 miles wide within the proposed Harney Cooperative Weed Management Area. Several invasive species are targeted for eradication. OWEB funds are requested for personnel (36%), grass mix (41%), displays (1%), administration (8%) and monitoring (14%). Cost-share partners include USFWS, BLM, ODA, ODFW, Harney SWCD, landowners and Harney Cooperative Weed Management Area.

Project Ref	Grantee	Project Name	State
OWEB 205-079	OWEB	Harney County Fuels Treatment & Forest Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$71,838	Oregon Closed Basins

Project Description

Cost-share will be provided for pre-commercial thinning and slash abatement on 220 acres. Watershed benefits included improved forest health, reduced risk of wildfire and reduce risk of insect infestation and disease. OWEB funds are requested for thinning (44%), slash abatement (49%), administration/monitoring (7%). Cost-share partners include ODF and landowners.

Project Ref	Grantee	Project Name	State
OWEB 205-081	OWEB	Hashknife Irrigation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$37,585	John Day

Project Description

Located near Mitchell, a non-fish friendly seasonal diversion will be replaced with an infiltration gallery and an open 3,200' ditch will be converted to a 12" ADS pipe. A measuring flume will be installed for improved water management. Watershed benefits include improved water quality and quantity. OWEB funds are requested for engineering (11%), pipe/V-screen/materials (81%), administration (7%) and monitoring (1%). Cost-share partners include the landowner.

Project Ref	Grantee	Project Name	State
OWEB 205-082	OWEB	Granite Cr Stockwater & Riparian Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	21-SEP-04-31-DEC-05	Salmon Habitat Protection and Restoration	$0	$37,500	John Day

Project Description

Located near on Highway 395 near Ritter, this project will install 8,100' of pipe for an off-stream stockwater system, remove 4,800' of upland fence and locate it further uphill; relocate 3 feed bunks from the riparian areas, improve upland conditions and improve grazing management. Watershed benefits include reduced sediment, reduced nutrients and improved riparian conditions. OWEB funds are requested for project management (5%), contracted services (35%), pipe (24%), fence materials (10%), materials/permits (18%) and administration (8%). Cost-share partners include North Fork John Day WSC, landowner and Grant SWCD.

Project Ref	Grantee	Project Name	State
OWEB 205-083	OWEB	Forsea Ranch Off-Stream Watering & Riparian Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$13,806	Middle Snake-Powder

Project Description

Project components include fencing 2,700' along both sides of an unnamed stream and installing 2,000' of pipe to 7 concrete troughs that will provide alternative livestock water near Richland. Watershed benefits include improved water quality, sediment and nutrient reduction. OWEB funds are requested for pipe (40%), troughs (44%), livestock gates (5%), administration and monitoring (11%). Cost-share partners include Eagle Valley SWCD, NRCS and the landowner.

Project Ref	Grantee	Project Name	State
OWEB 205-088	OWEB	Butte Cr Riparian Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$34,656	John Day

Project Description

Project components include replacing a push-up dam on Butte Creek with a fish-friendly diversion; replacing 4,800' of open-ditch with 2,600' of PVC; installing 4 off-channel watering developments designed for better upland forage utilization and incorporating ½ mile into CREP. Water quality, riparian health and fish habitat will be improved. OWEB funds are requested for engineering/project management (16%); contracted services (41%), supplies/materials/permits (34%) and administration (9%). Cost-share partners include ODFW, OWRD, CREP and the landowner.

Project Ref	Grantee	Project Name	State
OWEB 205-089	OWEB	Pine Cr Prescription Fire For WS Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$56,228	John Day

Project Description

Wheeler SWCD will partner with CTWS and BLM to conduct a prescribed fire on 5,800 acres south of Highway 218 west of Fossil. Desired outcomes include controlling juniper, enhanced wildlife habitat and improved grassland vegetation. The project complements other on-going restoration efforts in the basin. OWEB funds are requested for project management (2%), helicopter time (25%), engines (68%) and administration (5%).

Project Ref	Grantee	Project Name	State
OWEB 205-091	OWEB	Nelson Cr Diversion Replacement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$61,640	John Day

Project Description

Located near Mitchell, this project replaces a gravel push-up dam with a lay-flat stanchion and converts an earthen ditch to 2,820' of pipe, which will be tied into 2,400' of mainline. Irrigation will be converted from flood to sprinkler. Implementation will improve water quality, reduce sediment loads and nutrient inputs and improve riparian conditions. OWEB funds are requested for engineering/project management (7%), contracted services/equipment rental (40%), materials (42%), mobilization/rental (9%) and administration (9%). Cost-share partners include NRCS and the landowner.

Project Ref	Grantee	Project Name	State
OWEB 205-092	OWEB	L Bridge Cr Diversion Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$34,561	John Day

Project Description

Located near Mitchell, this project replaces an existing gravel push-up dam, a barrier to fish passage on Bridge Creek, with an improved diversion structure. A trash rack, weed screen and ramp flume measuring device will also be installed. Watershed benefits include improved water quality, improved streambank stabilization and improved water management. OWEB funds are requested for engineering/project management (5%), contracted services/equipment rental (26%), materials (59%) and administration (9%) and monitoring (1%). Cost-share partners include BLM, OWRD and the landowner.

Project Ref	Grantee	Project Name	State
OWEB 205-095	OWEB	Wallowa River/McDaniel Habitat Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$0	$95,228	Lower Snake

Project Description

The project proposes to restore degraded riparian and floodplain habitat and improve instream habitat diversity and water quality near Lostine. Project components include reestablishing ½ mile of meandering stream channel, six revetments, six grade-control structures, channel reclamation, two stock tanks, two water gaps and pond construction. OWEB funds are requested for channel reconstruction (46%), instream structures/reclamation (44%), vegetation (5%) and administration (5%). Cost-share partners include BPA, NRCS, ODFW, CTUIR, landowner, Wallowa Resources, various foundations and volunteers.

Project Ref	Grantee	Project Name	State
OWEB 203-144	OWEB	Stayton Riverfront	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	--14-JAN-04	Salmon Habitat Protection and Restoration	$0	$250,000	Willamette

Project Description

The City of Stayton is requesting $500,000 in OWEB funding to purchase and provide permanent protection for a 51-acre parcel on the North Santiam River. The acquisition would preserve water quality and protect listed fish habitat by preventing home site development. Acquisition of the land will include the accompanying .33 cfs water right and there is a possibility of transferring this right to an instream right. The total purchase price is $1.2 million with additional match funding sought from Marion County Economic Development, the National Fish and Wildlife Foundation.

Project Ref	Grantee	Project Name	State
OWEB 203-144A	OWEB	Stayton Riverfront-Direct Costs	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	11-SEP-03-02-DEC-03	Salmon Habitat Protection and Restoration	$0	$481	Willamette

Project Description

Stayton Waterfront Acquistion Costs (AG costs, DEQ hazardous review, review appraisals

Project Ref	Grantee	Project Name	State
OWEB 204-068	OWEB	Fish Barrier Removal Miller/Page Creeks	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	03-JUL-03-31-OCT-04	Salmon Habitat Protection and Restoration	$0	$395,115	Northern Oregon Coastal

Project Description

Four culverts that create fish passage barriers at road crossings will be removed on two tributaries of the Clatskanie River if this proposal is funded. Two of the culverts will be replaced with bridges, a third will be replaced with a larger culvert and the fourth culvert will be removed and the road abandoned. OWEB funds will be used for construction costs (89%), design and project management.

Project Ref	Grantee	Project Name	State
OWEB 204-069	OWEB	God's Valley Salmon Habitat Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	15-AUG-03-30-APR-04	Salmon Habitat Protection and Restoration	$0	$22,133	Northern Oregon Coastal

Project Description

Twenty sites in the God’s Valley sub-basin of the Nehalem River would be treated with large wood placements; one culvert on a tributary to God’s Valley Creek would be replaced, opening an additional 700 feet of spawning and rearing habitat; and approximately 7 acres of riparian area would be spot-planted with native trees and shrubs by implementation of this project. Requested OWEB funds would be used for contracted services (equipment for large wood placement and culvert removal), supplies/materials and project management.

Project Ref	Grantee	Project Name	State
OWEB 204-070	OWEB	Feagles Cr Bridge Repair	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$27,500	Northern Oregon Coastal

Project Description

This proposal seeks funding to implement permanent repairs to a bridge crossing on Feagles Creek, a tributary of the Big Elk in the Yaquina River system. A previous OWEB funded project had partially paid for the replacement of a perched culvert with the current bridge. The new east side bridge abutment was compromised by erosion this winter. OWEB funds will be used for contracted services to repair the bridge.

Project Ref	Grantee	Project Name	State
OWEB 204-071	OWEB	Helms Cr Aquatic & Riparian	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	17-JUL-03-30-MAR-04	Salmon Habitat Protection and Restoration	$0	$11,136	Northern Oregon Coastal

Project Description

The Helms Creek project proposes to place 13 full spanning log structures (using 56 logs and 100 pre-commercial thinning firs), excavate 3 spring-fed alcoves and plant approximately 0.5 miles of riparian corridor on private property along Helms Creek in the Yachats River basin. The bulk of the requested OWEB funds will be used for project design and implementation (log placement and alcove excavation) with smaller amounts budgeted for planting supplies (seedlings and protectors).

Project Ref	Grantee	Project Name	State
OWEB 204-072	OWEB	Salvage Log Fund	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	26-JUN-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$7,500	Northern Oregon Coastal

Project Description

This proposal would fund the continuation of an opportunistic large wood acquisition project conducted by the MidCoast Watershed Council. Trees often become available for donation to the watershed council for use in restoration projects through storm events, landslides or planned land-clearing activities. OWEB funds would be used for the costs involved in loading and transporting the trees to storage sites in preparation for use in future projects as well as for project management costs.

Project Ref	Grantee	Project Name	State
OWEB 204-072A	OWEB	Salvage Log Fund	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	26-JUN-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$23,492	Northern Oregon Coastal

Project Description

This proposal would fund the continuation of an opportunistic large wood acquisition project conducted by the MidCoast Watershed Council. Trees often become available for donation to the watershed council for use in restoration projects through storm events, landslides or planned land-clearing activities. OWEB funds would be used for the costs involved in loading and transporting the trees to storage sites in preparation for use in future projects as well as for project management costs.

Project Ref	Grantee	Project Name	State
OWEB 204-073	OWEB	Roache Cr Stream & Wetland Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	10-OCT-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$21,898	Northern Oregon Coastal

Project Description

A variety of restoration activities will occur as a result of this project on one landowner's property on Roache Creek a tributary of Siltcoos Lake on the central Oregon coast. 1,986 feet of stream would be restored to sinuosity from its present ditched condition; 3.85 acres of wetland would be enhanced; 15.4 acres of riparian area would be planted with a variety of native trees and shrubs and one undersized fish passage barrier culvert would be removed and replaced. OWEB funds will be used for project design, site preparation, large wood placement, culvert installation and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 204-074	OWEB	Karnowsky Cr Fishery Habitat Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	10-SEP-03-08-JAN-04	Salmon Habitat Protection and Restoration	$0	$154,550	Northern Oregon Coastal

Project Description

This is Phase Two of the Karnowski Creek project. Phase One recreated a meandering stream out of what had been a diked and straightened ditch. Phase Two will place, by helicopter, approximately 100 whole conifer trees (28"-36" DBH) and 20 cut logs along the newly restored area to enhance fish and wildlife habitat. Three miles of stream will be treated. The vast majority of the requested OWEB funds will be used for helicopter move-in and flying time. The remainder is for administration and project management.

Project Ref	Grantee	Project Name	State
OWEB 204-075	OWEB	Siuslaw Restoration Materials Acquisition	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$19,470	Northern Oregon Coastal

Project Description

This proposal would fund the continuation of an opportunistic large wood and boulder acquisition project conducted by the Siuslaw Watershed Council. Trees and boulders often become available for donation to the watershed council for use in restoration projects through storm events, landslides or planned land-clearing activities. OWEB funds would be used for the costs involved in loading and transporting the trees and materials to storage sites as well as for project management costs.

Project Ref	Grantee	Project Name	State
OWEB 204-077	OWEB	Smith Cr Fish Passage	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	14-AUG-03-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$59,156	Northern Oregon Coastal

Project Description

One undersized concrete culvert with a 3.5-foot drop at the outfall will be replaced on Smith Creek, a tributary of the Nestucca River, allowing for fish passage to be restored to 1.5 miles of quality salmonid habitat. Several in-stream rock weirs will be constructed to provide grade control throughout the project reach. OWEB funds would be used for partial payment for removal and replacement of the culvert, construction of in-stream rock weirs, the associated costs of road reconstruction and project management.

Project Ref	Grantee	Project Name	State
OWEB 204-089	OWEB	Slate Cr Instream Habitat Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	13-AUG-03-15-OCT-04	Salmon Habitat Protection and Restoration	$0	$15,669	Southern Oregon Coastal

Project Description

This project proposes to improve aquatic habitats by placing large wood and boulders in key coho and steelhead rearing reaches in the Slate Creek watershed. Current instream habitat complexity is poor because of channel modifications and large wood removal. Slate Creek currently provides very little spawning gravel retention and pool habitats for rearing coho and juvenile steelhead. Structures will be designed and placed to help improve these current conditions.

Project Ref	Grantee	Project Name	State
OWEB 204-096	OWEB	Illinois Valley Riparian Tree Planting	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	13-AUG-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$72,765	Southern Oregon Coastal

Project Description

This project proposes to continue the eleven-year program of planting native tree species along riparian areas and associated uplands on private properties within the Illinois Valley. The project will expand its efforts to include planting to prevent the spread of noxious weed seeds, all party monitoring, a planting guide and a merger of the tree planting, noxious weed and fire plan projects. The project will continue its traditions of education, outreach, partnering, volunteerism and community building.

Project Ref	Grantee	Project Name	State
OWEB 204-097	OWEB	God Wants You Fish Passage	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	16-JUN-03-02-JAN-04	Salmon Habitat Protection and Restoration	$0	$21,523	Southern Oregon Coastal

Project Description

This project proposes to remove a culvert causing a fish passage barrier and replace it with a larger "squash pipe" culvert. The project will open up 3/8 mile of habitat for cutthroat and steelhead in the Lower Rogue.

Project Ref	Grantee	Project Name	State
OWEB 204-098	OWEB	Rogue River Stakeholders Group	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	15-JUL-03-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$267,322	Southern Oregon Coastal

Project Description

The project proposes to implement Phase 3 of the project designed to prevent pit capture by the Rogue River of an abandoned floodplain gravel pits. Phase 1 and 2 successfully resulted in construction of eight stream barbs to arrest bank erosion along with riparian area plantings. The project will protect fish habitats and water quality. The implementation of the project will help prevent future channel avulsion and resulting impacts to fisheries and habitats. Phase 3 will assist in maintaining historic channel migration zone through construction of additional stream barbs, bank reshaping, removal of an artificial island and a gravel plug and development of a spill way area for floodwaters.

Project Ref	Grantee	Project Name	State
OWEB 204-099	OWEB	Tenmile Lakes Watershed Fish Passage & Sediment Abatement II	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	24-OCT-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$216,036	Southern Oregon Coastal

Project Description

This project proposes to remove eight fish passage and/or sediment problem structures and fence approximately three miles of actively eroding streambank. This project will enhance 15 miles of essential salmonid habitat. The sites chosen for the project were identified as priorities through the Tenmile Lakes Basin Partnership's Watershed Assessment.

Project Ref	Grantee	Project Name	State
OWEB 204-100	OWEB	Structure Placement 2003-Umpqua Basin	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	13-AUG-03-31-OCT-04	Salmon Habitat Protection and Restoration	$0	$31,000	Southern Oregon Coastal

Project Description

This project proposes to place fish habitat enhancement structures in Big Creek tributaries, Slide Creek and Huntley Creek. There will be a total of 3.5 miles of salmonid habitat improvement by the placement of logs and/or boulders at 70 sites along these streams.

Project Ref	Grantee	Project Name	State
OWEB 204-103	OWEB	Fish Passage 2003-Umpqua Basin	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	13-AUG-03-31-OCT-04	Salmon Habitat Protection and Restoration	$0	$121,388	Southern Oregon Coastal

Project Description

The project proposes to replace five culverts located throughout the Umpqua Basin. The culvert replacements, when all completed will restore passage to nearly 10 miles of stream to salmonids.

Project Ref	Grantee	Project Name	State
OWEB 204-105	OWEB	Blacks Cr Fisheries Habitat Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$22,839	Southern Oregon Coastal

Project Description

The project proposes to replace two undersized culverts set on top of one another in an unnamed tributary, which flows into Blacks Arm Creek in the Tenmile Lakes watershed.. The existing culvert setup significantly restricts passage of coho to approximately 2,700 feet of spawning and rearing habitat.

Project Ref	Grantee	Project Name	State
OWEB 204-106	OWEB	Muddy Cr Conservation Easement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$100,000	Willamette

Project Description

The Greenbelt Land Trust proposes acquisition of a conservation easement on a 126-acre farm on Muddy Creek in the Marys River watershed in Benton County. The property is a mix of wetlands, wet prairie, riparian areas and uplands within the 100-year floodplain of Muddy Creek. The total purchase price is $177,000.

Project Ref	Grantee	Project Name	State
OWEB 204-106A	OWEB	Muddy Cr Conservation Easement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	10-APR-03-23-AUG-03	Salmon Habitat Protection and Restoration	$0	$720	Willamette

Project Description

Review Appraisal and AG costs

Project Ref	Grantee	Project Name	State
OWEB 204-107	OWEB	Green Island Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$750,000	Willamette

Project Description

The McKenzie River Trust proposes acquisition of an 856-acre parcel at the confluence of the McKenzie and Willamette Rivers. Interspersed with over 430 acres of public land, this acquisition is to protect and restore at-risk function and habitat to 1,300 acres and 20 miles of riparian lands. The total purchase price is $2,254,000.

Project Ref	Grantee	Project Name	State
OWEB 204-107A	OWEB	Green Island Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	10-APR-03-28-AUG-03	Salmon Habitat Protection and Restoration	$0	$800	Willamette

Project Description

Review appraisal, AG and hazardous review costs

Project Ref	Grantee	Project Name	State
OWEB 204-108	OWEB	Acquisition of the Decker Family Conservation Easement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	18-NOV-03-18-NOV-03	Salmon Habitat Protection and Restoration	$0	$155,225	Willamette

Project Description

The McKenzie River Trust proposes acquisition of a 133-acre conservation easement on the Decker property north of Fern Ridge reservoir in Lane County. The property includes emergent wetlands, native wet prairie and ash riparian forest on both sides of Coyote Creek. The total purchase price is $205,100.

Project Ref	Grantee	Project Name	State
OWEB 204-116B	OWEB	Long Tom WS Projects	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	11-AUG-03-31-JUL-05	Salmon Habitat Protection and Restoration	$0	$212,234	Willamette

Project Description

This project will continue and refine the council's water quality monitoring program and implement a set of demonstration projects around the watershed. These projects include riparian restoration, instream wood placement, riparian fencing, off-channel watering establishment and restoring fish passage. OWEB funds would be used primarily for personnel, travel, contracted services, supplies, permits, outreach, and workshops.

Project Ref	Grantee	Project Name	State
OWEB 204-117	OWEB	Clackamas Co 2003 Fish Passage Projects II	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	11-JUL-03-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$173,466	Willamette

Project Description

This project consists of replacement of a package of 4 culverts and removal of one diversion dam. The sites are located in the Molalla, Clackamas and Johnson Creek watersheds and have been identified as barriers to fish passage. Completion of the projects will potentially open 23 stream miles to anadromous salmonids and cutthroat trout. OWEB funds would be used primarily for personnel, materials, design, permits and equipment.

Project Ref	Grantee	Project Name	State
OWEB 204-118	OWEB	Upper Tualatin River Floodplain Restoration Phase I	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$150,000	Lower Columbia

Project Description

This is Phase 1 of a projected multi-phase restoration effort being initiated to restore over 1,000 acres of floodplain habitat in the upper Tualatin River watershed. Phase 1 is located near Forest Grove and will restore 37 acres of riparian forest, 112 acres of wetlands and 96 acres of oak savannah. OWEB funds would be used primarily for contracted services, materials, engineering, and permitting.

Project Ref	Grantee	Project Name	State
OWEB 204-124	OWEB	Beaver Cr Riparian Restoration Project Phase III	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	09-JUL-03-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$36,990	Lower Columbia

Project Description

Beaver Creek is located in the Sandy River watershed near Troutdale. This proposal is to re-profile the stream bank to a more moderate ratio and stabilize the bank toe to help reduce sediments and stabilize steam banks. The project includes removal of invasive species and re-vegetation with native plants. OWEB funds would be used primarily for personnel, earthwork, structure placement, materials, engineering, design and outreach.

Project Ref	Grantee	Project Name	State
OWEB 204-125	OWEB	Ames Cr Restoration Project Phase III	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	10-JUL-03-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$105,917	Willamette

Project Description

This project is Phase III of a multi-year effort to restore anadromous fish habitat in Ames Creek within the City of Sweet Home. Phase III will restore fish passage around an old mill dam, re-establish a meandering stream channel within the area of an old mill pond and city park, improve instream habitat structure and diversity and enhance native wetland and riparian vegetation. OWEB funds would be used primarily for materials.

Project Ref	Grantee	Project Name	State
OWEB 204-126	OWEB	The Headwaters at Tryon Cr	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$116,000	Lower Columbia

Project Description

This project proposes to remove 1,000 lineal feet of existing CMP storm pipe and revise the associated urban storm water system in a 65-acre drainage basin that is a headwater of Tryon Creek. 450-ft. of the storm pipe will be replaced with an engineered, daylighted creek. The storm water system will be redirected to constructed wetland facilities before entering the creek. OWEB funds will be used primarily for creek restoration costs.

Project Ref	Grantee	Project Name	State
OWEB 204-131	OWEB	Lower Crooked River Riparian Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$92,000	Deschutes

Project Description

This project on the Lower Crooked River will work with six landowners on 2 miles of stream to restore floodplain connectivity, stabilize streambanks, improve fish habitat and re-establish riparian vegetation. Much of the Crooked River below Prineville is characterized by 5 to 15 foot vertical banks with little riparian vegetation. The project would construct bank-full terraces to mimic the historic floodplain, install rock structures (J-hook barbs) to improve habitat and direct flow away from unstable streambanks and construct fencing to protect the treated areas. Extensive planting will occur to hold the streambanks in place. OWEB funds will be used to cover a portion of the equipment, labor and materials.

Project Ref	Grantee	Project Name	State
OWEB 204-133	OWEB	Marks Cr Riparian Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$53,975	Deschutes

Project Description

This project will restore channel sinuosity, floodplain connection, instream habitat and riparian vegetation on two miles of Mark's Creek, a tributary to Ochoco Creek east of Prineville. It will also improve livestock management to better utilize the property and protect the restoration benefits. Historically the stream meandered through this high elevation meadow and there was extensive willow, alder and cottonwoods in the meadow and adjacent to the stream. Besides the channel and habitat improvements, an irrigation diversion will be repaired to allow fish passage, a livestock water gap will be created and riparian zone protection fencing will be constructed. OWEB funds will be used to cover a portion of the equipment costs, labor, materials and administration.

Project Ref	Grantee	Project Name	State
OWEB 204-134	OWEB	Phase I Central Canal Upgrade/Neal Cr Inverted Siphon	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	08-SEP-03-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$300,000	Middle Columbia

Project Description

This project would complete the first of a three phase project to pipe 42cfs of irrigation water 4.3 miles thereby replacing Neal Creek as the conveyor of this water and thus improve it's water quality and fish passage issues. This project will address fish passage and water quality issues by piping the irrigation water and eliminating interface with Neal Creek completely. Neal Creek is an important steelhead spawning stream. The project would result in a long term instream water lease of 2.3cfs into the East Fork Hood River. OWEB funds would be used for demolition, earthwork, erosion control and concrete and asphalt work.

Project Ref	Grantee	Project Name	State
OWEB 204-137	OWEB	Sprague River 2003/Webb	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	10-SEP-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$129,750	Klamath

Project Description

This project, on the Sprague River in Klamath Basin, would plug four cutoff channels and therefore re-establish the sinuosity and gradient along a 1.7 mile reach of the river, thus reducing sediment into the river and Klamath Lake.

Project Ref	Grantee	Project Name	State
OWEB 204-138	OWEB	Trout Cr Berm Removal/Channel Reconstruction	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	27-OCT-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$195,000	Deschutes

Project Description

The project would treat 8 miles of Trout Creek (a significant steelhead spawning stream in the Deschutes Basin) by removing berms and restoring sinuosity to the stream. This project would use Rosgen methodology to restore the meander pattern, install j-hook vanes and cross vane structures to maintain channel form and construct a new floodplain at bankfull elevations. The area will be excluded from grazing and riparian vegetation will be maintained by signing up the entire area to be treated for CREP. OWEB funds would be used for mileage, contracted work, materials, equipment rental and administration.

Project Ref	Grantee	Project Name	State
OWEB 204-142	OWEB	Sherman Co Conservation Work 2003	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	04-NOV-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$50,508	Deschutes

Project Description

This project would complete a number of soil conservation measures and range management practices in Sherman County. The project has identified specific practices on six ranches in the Pine Hollow/Jackknife subwatersheds and three landowner properties in the Grass Valley subwatershed to the Deschutes River. A total of three new water sources would be developed and fenced, 63 water and sediment control structures would be built, 9,240 feet of fencing would be built and 13,000 feet of terraces constructed. OWEB funds would be used for project design and oversight, travel, all phases of construction, fiscal administration and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 204-149	OWEB	Page Ranch Acquisition	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$300,000	John Day

Project Description

The project involves the acquisition of a conservation easement on 2,276 acres of critical upland and watershed habitat currently in private ownership; purchase of 83 acres of river/riparian corridor and the purchase of a 31,000-acre federal grazing allotment near Mt. Vernon. The most significant habitats adjoining the river are in the 83-acre tract which includes 60 acres on the south side of the John Day and 20 acres to the north. In addition, the project proposes creation of a grass bank to manage the federal grazing allotment and to implement conservation measures on other private and federal lands. OWEB funds are requested for the purchase price of the acquisition (100%). Cost-share partners are the Rocky Mountain Elk Foundation, Richard Page, Oregon Wildlife Heritage Foundation, USFWS and Grant SWCD.

Project Ref	Grantee	Project Name	State
OWEB 204-156	OWEB	Andre/State Lands Rangeland Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	13-AUG-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$146,156	Middle Snake-Boise

Project Description

This project will complete a multi-phase restoration project initiated to improve upland conditions within the Lower Owyhee subbasin. The project proposes to install 22.5 miles of pipe, 16 troughs and 4.5 miles of cross fence to provide rest rotation, improve livestock distribution and enhance wildlife habitat in the Owyhee basin. OWEB funds are technical assistance (1%), pipeline installation (53%), pipe (37%), cross fence (5%) and administration (5%). Cost-share partners include Andre Ranches, Owyhee Watershed Council, NRCS, Malheur SWCD, ODFW and DSL.

Project Ref	Grantee	Project Name	State
OWEB 204-157	OWEB	Smith/McPhee/Tanner Check Dam Structure	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	13-AUG-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$47,410	Middle Snake-Powder

Project Description

There is an immediate need to replace an existing check structure on the North Powder River to facilitate water control and improve fish passage. Also, 3 two-stage rock weirs located downstream of the diversion structure will be installed. Watershed benefits include improved fish passage and water quality. OWEB funds are requested for technical assistance (2%), engineering (10%), equipment rental/transportation (14%), materials - rock, stanchions, plants (66%) and administration (8%). Cost-share partners include the Smith-McFee-Tanner Ditch Company, Baker Valley SWCD, NRCS and the landowners.

Project Ref	Grantee	Project Name	State
OWEB 204-158	OWEB	Chambeam Diversion	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	13-AUG-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$27,525	Middle Snake-Powder

Project Description

The Chambeam Ditch on the Burnt River near Durkee serves 500 acres. This project will fund the design and construction of a permanent irrigation diversion to replace a gravel push-up dam with a permanent, controllable structure that provides fish passage and will also improve water quality. The new structure will be a permanent sill-and-abutment type structure with removable stays and flashboards. OWEB funds are requested technical assistance (6%), engineering (17%), cement sill construction (40%), rock (32%) and administration (5%). Other cost-share partners include NRCS, Burnt River SWCD, Burnt River Irrigation District and the landowners.

Project Ref	Grantee	Project Name	State
OWEB 204-160A	OWEB	NF Catherine Cr Riparian Rehab & Youth Crew	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	05-SEP-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$14,300	Lower Snake

Project Description

Uncontrolled recreational use along the North Fork Catherine Creek severely damaged several acres of riparian area. The project proposes to plant 300 cottonwoods, snowberry, willow, dogwood and other plants; mulch 5 acres; install 150 rock barriers; construct 500' of pole fence; 200' of foot paths and install 25 signs using an 8-person youth crew. Water quality and riparian vegetation will both be improved. OWEB funds are requested for youth crew (81%), mileage (7%), seed (3%) and administration (9%). Cost-share partners include USFS, Oregon Natural Guard, Training & Employment Consortium (TEC), Juvenile Crime Prevention and Title II.

Project Ref	Grantee	Project Name	State
OWEB 204-161	OWEB	Campbell/Martin Ditch Diversion Replacement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	17-JUN-03-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$16,443	John Day

Project Description

This project will replace a diversion structure with a fish-friendly structure in Indian Creek near John Day, which provides important spawning/rearing habitat for ESA-listed summer steelhead and bull trout. Currently, limited by-pass flows can impede fish passage during some life stages during the summer months. In addition to fish-passage benefits, there will be water quality improvements. OWEB funds are requested for equipment rental/contracted services (28%), materials (63%) and administration (9%). Cost-share partners include the landowner and OWRD.

Project Ref	Grantee	Project Name	State
OWEB 204-162	OWEB	Upper SF John Day River WS Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-SEP-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$104,779	John Day

Project Description

Watershed conditions in the Upper South Fork near Izee will be improved through various land treatments including 2,720 acres of juniper control, 2,309 acres of weed control and perennial grass reseeding; 35 acres of aspen stand improvement, juniper riprap bank stabilization, log weir repair and replacement of an undersized culvert. The project is a joint effort between the USFS and private landowners. OWEB funds are requested for juniper control (68%), herbicide/application (7%), equipment rental (15%), culvert (1%) and administration (9%). Cost-share partners include Malheur National Forest, Title II Funds, landowners, USFWS, ODFW and Grant Weed Control District.

Project Ref	Grantee	Project Name	State
OWEB 204-162A	OWEB	Upper SF John Day River WS Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	04-NOV-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$18,955	John Day

Project Description

Watershed conditions in the Upper South Fork near Izee will be improved through various land treatments including 2,720 acres of juniper control, 2,309 acres of weed control and perennial grass reseeding; 35 acres of aspen stand improvement, juniper riprap bank stabilization, log weir repair and replacement of an undersized culvert. The project is a joint effort between the USFS and private landowners. OWEB funds are requested for juniper control (68%), herbicide/application (7%), equipment rental (15%), culvert (1%) and administration (9%). Cost-share partners include Malheur National Forest, Title II Funds, landowners, USFWS, ODFW and Grant Weed Control District.

Project Ref	Grantee	Project Name	State
OWEB 204-166	OWEB	Wilson Cr Stream Restoration & Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	13-AUG-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$26,905	Middle Columbia

Project Description

This project will reestablish Wilson Creek to its original channel and remove fish migration barriers. Project elements include lift and rock 2,000' of road above the stream channel; install 2 high-water ford crossings to allow fish passage; and reestablish 850' of historic stream channel. Watershed benefits include improved water quality, improved fish migration and spawning/rearing habitat for redband trout. OWEB funds are requested for contracted services/equipment rental (55%), rock pit development (7%), materials-cattleguard/concrete/rock/geotextile fabric (31%) and administration (7%). Cost-share partners include the ODF and Glavey Ranches LLC.

Project Ref	Grantee	Project Name	State
OWEB 204-167	OWEB	Birch Cr Fish Passage/Irrigation Efficiency	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	14-AUG-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$102,889	Middle Columbia

Project Description

The project will remove an irrigation diversion dam that is an impediment to fish passage, stabilize the stream channel after dam removal with a series of boulder weirs and convert the existing gravity-flow irrigation to a more efficient, pressurized system which will improve stream flows. Watershed benefits include improved fish passage and rearing habitat for ESA-listed summer steelhead and redband trout through increased stream flow. OWEB funds are requested for bridge footings (5%), electrical supply (29%), system installation (2%), irrigation materials (55%) and administration (9%). Cost-share partners include USFWS, landowners,. BPA and ODFW.

Project Ref	Grantee	Project Name	State
OWEB 204-168	OWEB	Mudd Ranch Resource Management	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$19,860	Lower Snake

Project Description

Water quality will be improved in Mudd Creek, a tributary of Catherine Creek. Project elements include moving corrals to a more appropriate location; installation of a livestock crossing and riparian fencing; planting a windbreak; well drilling at the new corral site, pond fencing; plant appropriate riparian species and construct a shallow swale below the new corral site to capture livestock runoff, sediment and nutrients. OWEB funds are requested for technical assistance (4%), equipment rental (24%), mobilization (1%), power to site (11%), materials/supplies (48%), and administration/monitoring (13%). Cost-share partners include the landowner.

Project Ref	Grantee	Project Name	State
OWEB 204-172	OWEB	Waterbury- Allen Diversion Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	06-OCT-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$111,870	Middle Snake-Powder

Project Description

The proposal addresses an immediate need to replace an existing rock, gravel and log diversion structure on Eagle Creek near Richland. Project components include a fish screen, headgate, ramp flume and 4 rock “V”-shaped weirs to facilitate fish passage. Watershed benefits include improved fish habitat, improved efficiency and improved water quality. OWEB funds are requested for engineering (18%), SWCD oversight (2%), equipment rental (57%), diversion materials (20%) and administration/monitoring (4%). Cost-share partners include Waterbury-Allen Ditch Company, Eagle Valley SWCD, NRCS, OWRD and ODFW.

Project Ref	Grantee	Project Name	State
OWEB 204-190	OWEB	Lower Doerner Cr Riparian Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$58,347	Southern Oregon Coastal

Project Description

This project proposes to enhance riparian and instream habitats through three adjacent properties. The project will also enable the landowners to more effectively manage their resources. Enhancement will be accomplished through riparian fencing and native species plantings, off channel stock watering development, hardened stream crossings, Christmas tree revetment, upland plantings, bridge installation instream structure placement and existing well development.

Project Ref	Grantee	Project Name	State
OWEB 204-191	OWEB	Gilliland Ag BMP Demonstration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$28,419	Southern Oregon Coastal

Project Description

This project proposes to limit livestock access to Coles Valley Creek, distribute alternative stock water, enhance riparian vegetation, improve crossing points and stop erosion in a down cutting drainage. Over six acres will be protected including 2,700 feet of stream. The project location is adjacent and upstream from landowners that have already completed riparian fencing and plantings.

Project Ref	Grantee	Project Name	State
OWEB 204-192	OWEB	Lookingglass Cr Riparian Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$26,676	Southern Oregon Coastal

Project Description

This project proposes to enhance a 98-acre property currently managed for livestock and hay production. Project components consist of riparian fencing and planting on over 1940 feet of stream, Christmas tree revetments, stock water development and hardened stream crossings and upland plantings.

Project Ref	Grantee	Project Name	State
OWEB 204-194	OWEB	Gold Hill Dam Removal & Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$520,000	Southern Oregon Coastal

Project Description

The project will remove the Gold Hill Dam on the mainstem Rogue River near Gold Hill, Oregon. Additional Project elements include wetland and riparian restoration in an adjacent 2,000 foot long diversion channel and associated wetland areas. The project is ranked as the second highest fish passage problem in the Rogue Basin under the Rogue Basin Fish Access Team's Strategic Plan and Barrier Prioritization.

Project Ref	Grantee	Project Name	State
OWEB 204-195	OWEB	South Fork Coquille Riparian Fence & Planting	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	15-OCT-03-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$9,564	Southern Oregon Coastal

Project Description

This project proposes to construct fencing to protect 12,500 feet of riparian area, install off-stream watering for livestock and plant trees on actively eroding riparian areas. Three adjacent landowners would be participating in this project.

Project Ref	Grantee	Project Name	State
OWEB 204-196	OWEB	Letitia Cr Stream Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$9,050	Southern Oregon Coastal

Project Description

The project proposes to replace a collapsed wood stringer bridge with a prefabricated bridge. The current structure creates a partial fish passage barrier. Large boulders and large logs would also be placed in the creek to create fish habitat complexities.

Project Ref	Grantee	Project Name	State
OWEB 204-198	OWEB	Hawk Cr Habitat Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$8,305	Southern Oregon Coastal

Project Description

The project proposes to enhance fish habitats in Hawk Creek, a tributary of Elk Creek in the Rogue Basin, through the placement of 10 large wood structures, 15 boulder weirs and five boulder clusters. Project activities would benefit coho salmon, cutthroat trout and steelhead.

Project Ref	Grantee	Project Name	State
OWEB 204-204	OWEB	Elijah Bristow Restoration & Reforestation Phase I	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$60,000	Willamette

Project Description

The Middle Fork Willamette Watershed Council seeks funding to restored riparian forest vegetation on 27 acres of deforested land between the confluence of Lost Creek and the Middle Fork Willamette River in Elijah Bristow State Park. The project will restore connectivity to the riparian forest corridor, improve habitat for rare and federally listed aquatic species including spring Chinook, test alternative blackberry control methods, and serve as a public demonstration project. Oregon Parks and Recreation Department will provide cash, tools, mowing, and inmate labor; technical and planning assistance; and monitor and maintain the project. OWEB funds will be used in Phase I contracting a project manager, mileage, labor, site survey and hydrologic monitoring; and in Phase 2 for planning, technical assistance, supplies, materials, and equipment. This is a new submission.

Project Ref	Grantee	Project Name	State
OWEB 204-205	OWEB	Lower McKenzie Watershed Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-NOV-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$83,594	Willamette

Project Description

The McKenzie Watershed Council seeks funding to assist landowners in implementing a minimum of seven watershed enhancement projects in the lower portion of the McKenzie River. The focus will be on improving fish and wildlife habitat through invasive weed eradication and control, native tree and shrub establishment, livestock exclusion fencing, and off-stream watering. These demonstration project also seek to improve water quality in this portion of the watershed, which the McKenzie River Conservation Strategy has deems a high priority. OWEB funds will be used to set the overall project design, purchase plants and fence materials, contract labor for planting and fencing, weed eradication, livestock watering systems. This is a new submission.

Project Ref	Grantee	Project Name	State
OWEB 204-209	OWEB	Brae Burn Cr Restoration & Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$31,889	Willamette

Project Description

Edgewood Townhouse Association (ETA) seeks funding to restore, enhance, and maintain the physical and biological integrity of this Amazon Basin tributary; develop and maintain a water quality monitoring site; and provide education and outreach. This project is a resubmission. This project is a resubmission. The February 2003 review team valued the urban demonstration project and its strong partnerships and clear goals. However, the team found problems with the budget (high design costs, excessive number of plants, etc.). OWEB funds, which represent just over 19 percent of the total project cost, will be used primarily to facilitate the removal of non-native vegetation and to restore native riparian plants. Funds will also be used for education and outreach.

Project Ref	Grantee	Project Name	State
OWEB 204-211	OWEB	Drew's Valley Ranch	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$700,000	Upper Sacramento

Project Description

This project would purchase a conservation easement on the 11,000 acre ranch 22 miles west of Lakeview. The conservation easement would ensure the property is not divided more than once, no mining would occur, no large scale commercial timber harvesting, no fee hunting or fishing and no commercial feedlot operations would occur on the land. The property would remain a cattle ranch. There are six Oregon State sensitive species in the Goose Lake watershed and on the ranch.

Project Ref	Grantee	Project Name	State
OWEB 204-221	OWEB	Pine Cr Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	20-OCT-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$13,580	Deschutes

Project Description

Pine Creek is a tributary to Crooked River about 20 miles southwest of Prineville. The project would clear 400 acres of juniper, re-plant the area to native grasses and develop several springs to facilitate better livestock distribution. The vegetation management should reduce runoff and allow better infiltration.

Project Ref	Grantee	Project Name	State
OWEB 204-223	OWEB	North Wasco Co Direct Seed	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	29-OCT-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$74,406	Middle Columbia

Project Description

This project will assist four ranches convert their operations on highly erodible land from conventional tillage systems to direct seed/no-till, eliminating erosion problems on nearly 3,000 acres of cropland. This is within the Fifteenmile watershed which is 303(d) listed for sediment and temperature. There is a reduced population of wild winter steelhead within the watershed.

Project Ref	Grantee	Project Name	State
OWEB 204-224	OWEB	Tumalo Water Conservation Project Group	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$200,000	Deschutes

Project Description

This is the last phase of a four phase project designed to save 20 cfs of water by piping the Bend Feed Canal. A total of 5.8 cfs of senior waterright and 11.3 cfs of junior waterrights will be converted to instream waterrights. This water will remain in Tumalo Creek and therefore contribute to flows in the Middle Deschutes River.

Project Ref	Grantee	Project Name	State
OWEB 204-225	OWEB	Buck Hollow WS Enhancement Final Implementation Phase 8	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	29-OCT-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$72,987	Deschutes

Project Description

This is the final phase of a complete watershed restoration effort began in the late 1980s. Individual farm plans have been implemented from the top of the watershed down and involving all of the landowners in the watershed. This project would implement fencing, brush control, seeding, water and sediment control basins, terraces and livestock water developments.

Project Ref	Grantee	Project Name	State
OWEB 204-226	OWEB	Hood River Integrated Pest Mgmnt Weather Station Network	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$113,666	Middle Columbia

Project Description

This project would duplicate the weather station network operating in Wasco County to cover the 14,900 acres of orchards in Hood River County as part of the effort to implement Integrated Pest Management practices. Currently, Bull trout and Steelhead are listed as threatened in the basin.

Project Ref	Grantee	Project Name	State
OWEB 204-227	OWEB	Sherman Co SWCD Watershed Enhancement 2003-2005	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	04-NOV-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$62,316	John Day

Project Description

Six farming/ranching operations will implement watershed enhancement projects consisting of terraces, water and sediment control basins, grassed waterways and spring developments. The projects will take place in various watersheds in Sherman County.

Project Ref	Grantee	Project Name	State
OWEB 204-228	OWEB	C7 Ranch Wetland & Riparian Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	22-OCT-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$57,720	Klamath

Project Description

This project would enhance three miles of riparian habitat and 400 acres of wetlands adjacent to the Sprague River. It would construct riparian fencing and restore natural swales and seasonal wetlands within the floodplain. The site is approximately three miles west of the community of Sprague River. The Sprague River hosts the listed Shortnose and Lost River sucker fish.

Project Ref	Grantee	Project Name	State
OWEB 204-229	OWEB	Dead Dog Canyon Resource Management System	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	29-OCT-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$93,201	Deschutes

Project Description

A&K Ranch of 6,200 acres is located partially in Buck Hollow watershed and Bakeoven watershed in Wasco County. The ranch and lands above and below this property have participated in watershed enhancement and have much of their land enrolled in CRP. This project will implement additional management practices of spring development, native grass plantings, sediment catchment basins and cross fencing for better forage management.

Project Ref	Grantee	Project Name	State
OWEB 204-230	OWEB	Shaniko Headwaters Resource Management System	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	29-OCT-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$30,086	Deschutes

Project Description

The Shaniko Cattle Company has a 3,640 acre ranch at the headwaters of Bakeoven, Buck Hollow, Pine Hollow and Ward Creek in Wasco County. This project would further implement the Resource Management Plan of the ranch by constructing five sediment basins, one well, placing five water troughs and piping and restore 62 acres of range land.

Project Ref	Grantee	Project Name	State
OWEB 204-233	OWEB	Tamarack Cr Streambank Stabilization & Gradient Control	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	11-OCT-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$67,080	John Day

Project Description

This project would place approximately 60 rock grade control structures in the lower two miles of Tamarack Creek and another 60 rock structures in a one mile stretch of the East Fork Beaver Creek in the upper end of the Crooked River watershed. The structures will allow the stream to re-connect to the floodplain, raise the water table and the water storage in the substrate and eliminate downcutting of the streambed.

Project Ref	Grantee	Project Name	State
OWEB 204-244	OWEB	Hudson Bay Aquifer-Spring Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	17-OCT-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$84,544	Middle Columbia

Project Description

The applicant proposes to construct a series on three pits specifically designed for passive artificial recharge constructed on land provided by Hudson Bay District. Pits are designed to handle 50 cfs during the winter/spring Walla Walla River runoff. Monitoring, evaluation and outreach are also major components as well as on-site subsurface hydrologic and hydrogeologic monitoring. OWEB funds are requested for project manager (4%), contracted services (33%), piezometer/lab costs (34%), equipment (5%), administration (10%), monitoring (12%) and production costs (2%) Cost-share partners include Hudson Bay District Improvement Company, Walla Walla Basin Alliance and the Walla Walla Watershed Council.

Project Ref	Grantee	Project Name	State
OWEB 204-245	OWEB	Lorenzen Ranches Livestock Feeding Relocation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$160,974	Middle Columbia

Project Description

Lorenzen Ranches plan to relocate their feeding operations from the Stage Gulch riparian area and to an upland location. Watershed benefits include improved water quality by reducing animal waste and sediment. Restoring the riparian area will provide habitat for aquatic and upland wildlife. OWEB funds are requested for feed bunks (24%), water tanks & lines (10%), fencing (29%), chutes & pens mileage (33%) and administration (4%). Cost-share partners include Umatilla SWCD, Lorenzen Ranches, DEQ 319 and EQIP.

Project Ref	Grantee	Project Name	State
OWEB 204-246	OWEB	Milton Ditch Consolidation & Piping Efficiency	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$120,000	Middle Columbia

Project Description

This project will consolidate the Milton Ditch diversion downstream 1.5 miles to the Little Walla Walla diversion, leaving 7.43 cfs in that reach of the main Walla Walla eliminating the need for a gravel push-up dam and non-compliant fish screen. It will aid fish passage into Couse Creek for ESA-listed steelhead as well as improve water quality and quantity. OWEB funds are requested for personnel (assistance for water right transfer) (8%), pipe (83%), administration (9%). Cost-share partners include BPA, Walla Walla River Irrigation District and Oregon Water Trust.

Project Ref	Grantee	Project Name	State
OWEB 204-247	OWEB	Westfall Ranches Stream Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$73,806	Middle Snake-Boise

Project Description

Fencing 1.8 miles of Bully Creek and installing two permanent diversions with fish screens will help to improve water quality by eliminating a push-up dam as well as improve habitat for red-band trout. Also, 21 acres adjacent to Bully Creek will be planted, two wells will be drilled, 2.2 miles of pipeline and 21 troughs installed. OWEB funds are requested for project manager (9%), engineering (6%), livestock wells (20%), diversion (38%), fencing (1%), pipeline/troughs (11%) plant/seed (14%), administration (10%) and monitoring (3%). Cost-share partners include USFWS, ODFW, Malheur SWCD, NRCS, landowner and Malheur Watershed Council.

Project Ref	Grantee	Project Name	State
OWEB 204-249	OWEB	Dahle Meadow Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$18,331	Middle Snake-Boise

Project Description

This project will fence three miles of Bully Creek, plant 72 acres of riparian and upland sites, install three pivots, seed 184 acres at borders of pivots to provide wildlife cover and forage and nesting sites, and develop alternative irrigation water sources via a well, pump and pipeline system. Watershed benefits include improved riparian vegetation, reduced sediment, stabilized streambanks and improved water storage. OWEB funds are requested for project manager (2%), engineering (4%), well drilling (27%), plants/seed (4%), water gap (2%), pipe (27%), fencing (5%), well pump (19%), administration (8%) and monitoring (2%).

Project Ref	Grantee	Project Name	State
OWEB 204-250	OWEB	Rose Cr Juniper Control	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	22-OCT-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$71,987	Middle Snake-Boise

Project Description

This project proposes to remove juniper trees on 1,000 acres; develop three springs to provide off-site water; improve livestock distribution; allow existing riparian vegetation, native grasses and forbs to reseed, thereby improving upland vegetation and wildlife habitat. Water storage capacity will improve, soil erosion decrease, streamflows increase to Willow Creek near Ironside. OWEB funds are requested for project management (2%), spring excavation/materials (4%), juniper cutting (84%), administration (9%) and monitoring (1%). Cost-share partners include the landowners.

Project Ref	Grantee	Project Name	State
OWEB 204-251	OWEB	Willow Cr Water Quality Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$59,981	Middle Snake-Boise

Project Description

A pump-back system will be installed to collect, store and transport tailwater to be reused on six fields (150 total acres). Irrigation ditches will be converted from open-earthen ditches to cement and PAM used to reduce erosion; an irrigation pond will be fenced and alternative livestock water will be provided from an existing domestic well. Watershed benefits include improved water quality. OWEB funds are requested for technical assistance (2%), pipe/installation (23%), pond construction (6%), laser-land leveling (11%), pump/headgates (12%) cement ditch (36%) administration (10%). Other cost-share partners include USFWS, Pheasants Forever, Vale Oregon Irrigation District, NRCS and the landowners.

Project Ref	Grantee	Project Name	State
OWEB 204-252	OWEB	Irrigation Return Flow Reduction/Lower Willow Cr	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	21-OCT-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$476,619	Middle Snake-Boise

Project Description

Lower Willow Creek has serious water quality problems including sediment, algae and E. coli and is exacerbated by irrigation return flow. By converting from furrow irrigation to sprinklers, irrigation return flow can be eliminated. This project proposes to pipe 6.6 miles on two irrigation laterals to facilitate conversion to sprinklers on 22 separate farms encompassing 2,000 acres to improve water quality. OWEB funds are requested for engineering (10%), pipe and fitting (78%), flowmeters/gates (5%), administration (6%) , project management (1%). Cost-share partners include the Vale Oregon Irrigation District who will provide the installation.

Project Ref	Grantee	Project Name	State
OWEB 204-253	OWEB	Pine Cr Riparian Fence	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$12,396	Oregon Closed Basins

Project Description

The project proposes to install 2.75 miles of fencing to divide the 4,280-acre Pine Creek pasture in two. The total allotment is 20,322 acres and is divided into five separate pastures on BLM, State and private land. Pine Creek vegetation and streambanks will recover; water quality improved; and a new grazing rotation plan followed. OWEB funds are requested for fencing (69%); gates (19%), administration/project management (12%). Cost-share partners include Harney SWCD, BLM and the landowners.

Project Ref	Grantee	Project Name	State
OWEB 204-254	OWEB	Succor Cr Riparian Protection	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	14-OCT-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$20,668	Middle Snake-Boise

Project Description

This project proposes to improve riparian conditions along Succor & McBride Creeks by installing 6.6 miles of riparian fencing and off-stream water including 1.25 miles of pipeline and 20 troughs for livestock. Developing off-site watering and water gaps will facilitate the removal of livestock grazing within sensitive riparian areas. Watershed benefits include improved riparian conditions, reduced streambank erosion and improved water quality. OWEB funds are requested for technical assistance (8%), fencing (58%), pipe and troughs (25%) and administration/monitoring (9%). Cost-share partners include the Gammet Ranches, Owyhee Watershed Council and NRCS.

Project Ref	Grantee	Project Name	State
OWEB 204-257	OWEB	Pass Cr Offstream Watering Phase II	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	28-OCT-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$27,393	John Day

Project Description

The project would fund an off-stream watering system consisting of 2.5 miles of pipeline and nine water troughs for livestock. Installing this system would bring water to the upland portion of the ranch. Watershed benefits include improved water quality, increased shade and water storage in the floodplain and narrowing and deepening of the stream channel. OWEB funds are requested for the pipe/installation (74%), water troughs/installation (15%), mobilization (2%) and administration (9%). Cost-share partners include North Fork John Day Watershed Council and the landowner.

Project Ref	Grantee	Project Name	State
OWEB 204-259	OWEB	Lillicrop Upland Stockwater	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$29,414	John Day

Project Description

The project seeks funding to provide stockwater to the uplands for Nelson Creek to encourage riparian recovery and reduce sediment delivery to the Bridge Creek system. Project elements include the installation of a solar pump to deliver stockwater to four troughs located in three pastures and the construction of 2.6 miles of livestock exclusion fence along the riparian corridor. OWEB funds are requested for project manager (10%), backhoe/trackhoe rental (10%), fencing (6%), materials/supplies/equipment (67%), mobilization (1%) and administration(6%). Cost-share partners include FSA, EQIP and the landowner.

Project Ref	Grantee	Project Name	State
OWEB 204-260	OWEB	Burnt River Juniper Control	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	16-OCT-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$82,430	Middle Snake-Powder

Project Description

Watershed conditions on upland rangeland and riparian areas along the Burnt River will be improved by focusing land treatments on juniper control and juniper streambank stabilization. The project is an effort between the landowners, SWCD, BLM, OSU, BRID and NRCS. Twelve landowners will complete 950 acres of juniper control and six landowners will install 3,900 feet of juniper streambank protection. OWEB funds are requested for project oversight (3%), juniper control (68%), juniper streambank stabilization (25%) and administration/monitoring (4%).

Project Ref	Grantee	Project Name	State
OWEB 204-267	OWEB	NW Oregon Japanese Knotweed Control	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$51,700	Willamette

Project Description

Cascade Pacific RC&D seeks funds to inventory and treat priority sites in the Willamette and North Coast basins that are infested with Japanese knotweed. The project will be implemented through the Northwest Oregon Invasive Weed Management Partnership, a network of more than 20 organizations. OWEB funds will used to purchase 10 GPS units, cover transportation and maintenance costs, and cover the costs of certified applicators and materials. This is a new submission.

Project Ref	Grantee	Project Name	State
OWEB 204-319	OWEB	Lietel Creek Road Decommissioning	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	20-APR-04-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$23,082	Northern Oregon Coastal

Project Description

A 2.5 mile segment of road adjacent to Lietel Creek, a tributary of Takenitch Lake on the central Oregon coast would be permanently decommissioned with funds from this proposal. In addition, large wood would be placed in-stream in several locations and the decommissioned roadbed would be planted with native grasses and conifers. OWEB funds would be used for road decommissioning and planting activities.

Project Ref	Grantee	Project Name	State
OWEB 204-320	OWEB	East Fork Humbug-Habitat Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	21-JUN-04-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$14,234	Northern Oregon Coastal

Project Description

This project would place 22 pieces of large wood into the stream and onto the floodplain at 11 selected sites on the East Fork of Humbug Creek and one of its tributaries, for a total of 4000 feet of stream treatment. Humbug Creek, entering at river mile 35, is a tributary of the Nehalem River in Clatsop County. OWEB funds would be used for harvest, transport and placement of the large wood as well as for conifer plantings on 4.2 acres of riparian area and project management costs.

Project Ref	Grantee	Project Name	State
OWEB 204-322	OWEB	North Fork Yachats Basin Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	26-JUL-04-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$152,650	Northern Oregon Coastal

Project Description

This is a comprehensive stream restoration project for the North Fork Yachats River basin on the central Oregon coast. Activities include helicopter and excavator placement of large wood in six miles of stream, riparian plantings on seven different properties and construction of exclusion fencing to protect the plantings on some of the sites. OWEB funds would be used for helicopter and excavator move-in and time; sawyers, planting and fencing work and materials; project management; monitoring; and administration.

Project Ref	Grantee	Project Name	State
OWEB 204-323	OWEB	Tidal Siletz Fence & Plant	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	08-APR-04-30-OCT-06	Salmon Habitat Protection and Restoration	$0	$27,600	Northern Oregon Coastal

Project Description

A 5,000 foot section of New Zealand style high tensile fence will be installed, five off-stream watering stations will be built and plumbed, and 1,500 trees will be planted in the riparian zone along the lower Siletz River with funds from this project. OWEB funds will be used for the activities and materials necessary to accomplish those actions as well as for the release of the trees on four different occasions.

Project Ref	Grantee	Project Name	State
OWEB 204-325	OWEB	Bowman Riparian	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$16,625	Northern Oregon Coastal

Project Description

This project would install roughly 5000 feet of livestock exclusion fencing along Rock Creek, a significant tributary to the Siletz River. Three off-stream livestock watering devices would also be installed and approximately 7.5 acres of riparian area would be cleared of blackberries and planted with conifers and hardwoods. OWEB funds would be used for fencing materials and installation as well as off-stream watering stations, trees and planting labor.

Project Ref	Grantee	Project Name	State
OWEB 204-326	OWEB	North Fork Siuslaw Helicopter Stream Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	21-APR-04-30-NOV-04	Salmon Habitat Protection and Restoration	$0	$149,000	Northern Oregon Coastal

Project Description

This project would place approximately 450 whole conifer trees (28-36”DBH) in 14 miles of the North Fork Siuslaw River to enhance habitat for anadromous fish. The log placements will be accomplished by helicopter. OWEB funds will be used for helicopter move-in and time and project management costs.

Project Ref	Grantee	Project Name	State
OWEB 204-328	OWEB	Crooked Cr-Fish Passage Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	21-JUN-04-30-NOV-04	Salmon Habitat Protection and Restoration	$0	$83,088	Northern Oregon Coastal

Project Description

Four undersized culverts on Crooked Creek, a tributary of the upper Nehalem River near the town of Vernonia, will be replaced with three bridges with funds from this proposal. The project would remove channel restrictions at the road crossings, improve fish passage and provide for the natural transport of sediment and debris. OWEB funds would be used for purchase of the pre-fabricated bridges, a small portion of the installation costs, project management, and administrative costs.

Project Ref	Grantee	Project Name	State
OWEB 204-333	OWEB	So Fork Yachats River Large Wood Placement/Riparian Planting	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	23-JUL-04-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$77,130	Northern Oregon Coastal

Project Description

This project would place 169 full-length trees (28-36"DBH) by helicopter to create structures at 28 different sites in the South Fork Yachats River and Grass Creek, a major tributary of the S Fork Yachats. This would treat 3.75 miles of stream. Native trees would be planted and protected by fenced enclosures along sections of these same streams. OWEB funds would be used for helicopter flight time, sawyers, fencing materials, and labor.

Project Ref	Grantee	Project Name	State
OWEB 204-334	OWEB	Sampson Cr Large Wood Placement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	23-JUL-04-30-OCT-05	Salmon Habitat Protection and Restoration	$0	$54,672	Northern Oregon Coastal

Project Description

This proposal would utilize a helicopter to create structures using full-length trees along Sampson Creek, a tributary of Drift Creek in the Siletz River basin. Twenty-five sites have been identified for these structures along 2.5 miles of the stream. OWEB funds would be used for helicopter move-in and flight time as well as sawyer wages.

Project Ref	Grantee	Project Name	State
OWEB 204-336	OWEB	Crooked Cr Off Channel Rearing	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	23-JUL-04-30-NOV-05	Salmon Habitat Protection and Restoration	$0	$15,527	Northern Oregon Coastal

Project Description

This project would restore off-channel connectivity on a broad floodplain terrace on Crooked Creek, a tributary of the North Fork Alsea River. Historic meanders would be reconnected and some currently impounded pools would be enlarged to encourage off-channel Coho fry rearing during high winter flows as well as during low flows in late spring and summer. OWEB funds would be used for excavation and project management.

Project Ref	Grantee	Project Name	State
OWEB 204-337	OWEB	Sugarbowl Cr/Baker Cr Stream Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	23-JUL-04-30-OCT-04	Salmon Habitat Protection and Restoration	$0	$22,550	Northern Oregon Coastal

Project Description

This project would fund the replacement of three undersized and perched culverts on Baker Creek and construct six large wood structures over one-half mile of Sugarbowl Creek. Both creeks are tributaries of upper Big Elk, which in turn, is the major tributary of the Yaquina River. OWEB funds would be used for purchase and placement of the culverts and for construction of the instream log structures.

Project Ref	Grantee	Project Name	State
OWEB 204-338	OWEB	Twentythree Cr Stream Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	23-JUL-04-30-SEP-05	Salmon Habitat Protection and Restoration	$0	$4,950	Northern Oregon Coastal

Project Description

Eight large wood structures would be placed along a three quarter mile section of Twentythree Creek, a tributary of Simpson Creek in the Yaquina River basin. A perched culvert currently preventing fish passage to a tributary of Twentythree Creek would be replaced as well. OWEB funds would be used for excavator time to place the large wood and to replace the culvert and for use of a self-loading log truck.

Project Ref	Grantee	Project Name	State
OWEB 204-340	OWEB	Nelson Cr Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	20-APR-04-30-OCT-04	Salmon Habitat Protection and Restoration	$0	$9,020	Northern Oregon Coastal

Project Description

This project would build upon extensive restoration work previously accomplished in Nelson Creek, a tributary to Lake Creek in the Siuslaw River basin. While fish passage and other road related concerns were addressed in the previous work, this project would place 15 large wood structures along one mile of stream using a track type excavator. OWEB funds would be used for excavator move-in and work time as well as sawyer and log skidder time.

Project Ref	Grantee	Project Name	State
OWEB 204-342	OWEB	Backyard Planting Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	16-APR-04-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$58,000	Northern Oregon Coastal

Project Description

This proposal would fund two years of a project that removes non-native brush, plants a variety of native trees and shrubs along the riparian areas of rivers and streams, stabilizes eroding stream banks by planting willows, provides maintenance to the plantings and monitors the sites. The work will occur along the rivers and streams of the Tillamook Bay watershed. OWEB funds would be used for site preparation and planting, maintenance, tree protection, and project management.

Project Ref	Grantee	Project Name	State
OWEB 204-345	OWEB	Upper Foley Salmon Habitat Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	08-APR-04-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$13,690	Northern Oregon Coastal

Project Description

Funding of this project would allow 12 sites along 2,100 feet of a tributary of Foley Creek in the lower Nehalem River basin to receive large wood complexes. In addition, over a mile of the mainstem Foley Creek would have Christmas tree sized pre-commercial thinnings placed in-stream as single trees or as bundles to provide cover and protection from current for juvenile salmonids. Plantings of native conifers, hardwoods and shrubs would also occur along some of the same stream reaches. OWEB dollars would be used for equipment time necessary to place the large wood, planting labor, project management, assorted small supplies, and services.

Project Ref	Grantee	Project Name	State
OWEB 204-346	OWEB	God's Valley Salmon Habitat Restoration-Phase 2	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	08-APR-04-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$12,402	Northern Oregon Coastal

Project Description

With funding from this project, God's Valley Creek, a high priority tributary of the lower Nehalem River, would have large wood complexes placed in 12 different sites in and along 2,100 feet of stream. In addition, slightly over three acres of riparian area would be spot planted with native tree and shrub species. OWEB funds will be used for equipment move-in and work time, and labor for tree harvest, erosion control, and planting.

Project Ref	Grantee	Project Name	State
OWEB 204-347	OWEB	Sharnelle Fee Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	22-APR-04-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$87,403	Lower Columbia

Project Description

This project site is located on the Klaskanine River, a tributary of the Youngs River in the lower Columbia River basin, near the city of Astoria. The project would restore tidal influence to 20 acres of bottomland and restore hydrologic connection to 30 acres of forested wetland habitat by breaching a dike in three places, plugging existing drainage ditches and enhancing historic channels. A new levee will be constructed to provide flood protection to a downstream landowner. OWEB funds are requested for the earth moving work and for a five year monitoring effort.

Project Ref	Grantee	Project Name	State
OWEB 204-356	OWEB	Water Reclamation Pilot Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	22-JUL-04-31-DEC-05	Salmon Habitat Protection and Restoration	$0	$313,580	Southern Oregon Coastal

Project Description

This project proposes to irrigate 527 acres of farm land including orchards and row crops using water from the Medford Wastewater Reclamation Facility (RWRF) in lieu of irrigation district water. A portion of the water currently diverted for agriculture will remain instream in Bear and Little Butte creeks improving water quality and quantity.

Project Ref	Grantee	Project Name	State
OWEB 204-357	OWEB	North Fork Coquille Fish Passage	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	11-AUG-04-31-DEC-05	Salmon Habitat Protection and Restoration	$0	$57,982	Southern Oregon Coastal

Project Description

Project activities would open 1.5 miles of cold water habitats to anadromous species. Two culverts will be replaced in Swayne and Wood Creeks, which are tributaries of the North Fork Coquille.

Project Ref	Grantee	Project Name	State
OWEB 204-358	OWEB	Lost Cr Structure Placement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	22-JUL-04-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$8,350	Southern Oregon Coastal

Project Description

One mile of salmonid spawning and rearing habitats will be improved through the placement of log and boulder structures at 20 sites on the stream. Lost Creek is a tributary of the mainstem Umpqua River.

Project Ref	Grantee	Project Name	State
OWEB 204-359	OWEB	Myrtle Cr Tributaries Fish Passage	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	22-JUL-04-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$20,600	Southern Oregon Coastal

Project Description

The project proposes to replace three culverts in the Myrtle Creek Subbasin. A habitat of 4.5 miles will be opened up for both juvenile and adult salmonids. Myrtle Creek is a tributary of the South Fork Umpqua River.

Project Ref	Grantee	Project Name	State
OWEB 204-360	OWEB	Big Tom Folley Structure Placement Phase 3	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	22-JUL-04-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$9,100	Southern Oregon Coastal

Project Description

The project proposes to place log and boulder structures at 38 sites in the mainstem Big Tom Folley Creek and the North Fork Big Tom Folley Creek. In addition, road decommissioning will occur on 1.69 miles of road.

Project Ref	Grantee	Project Name	State
OWEB 204-369	OWEB	Larson Cr Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	30-AUG-04-31-DEC-05	Salmon Habitat Protection and Restoration	$0	$154,480	Southern Oregon Coastal

Project Description

The project proposes to restore the historic channel of Larson Creek. Currently the creek flow is contained in an adjacent irrigation canal. Three fish passage barriers will be removed and three miles of habitat will be restored for steelhead. The irrigation canal will be piped and siphoned underneath the restored Larson Creek. The project is located in the Bear Creek subbasin of the Rogue River.

Project Ref	Grantee	Project Name	State
OWEB 204-371	OWEB	Paradise Cr Tributaries Stream Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	22-JUL-04-31-DEC-05	Salmon Habitat Protection and Restoration	$0	$13,850	Southern Oregon Coastal

Project Description

The project proposes to place log structures in Horse Creek. One mile of spawning and rearing habitat would be enhanced at 12 sites. On Bear Willow Creek a fish passage barrier would be replaced opening up one and a quarter miles of habitat. The project is located in the Paradise Creek subbasin in the Umpqua River watershed.

Project Ref	Grantee	Project Name	State
OWEB 204-372A	OWEB	Coos County Forest Road Sediment Reduction	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	24-AUG-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$10,515	Southern Oregon Coastal

Project Description

The project proposes to implement projects throughout the Coos River watershed. Fish passage projects would occur IN BOTH UPPER AND LOWER WATERSHED areas. Riparian plantings will take place ON low gradient tributary AND mainstem streams. Additionally sediment reduction projects would take place ON high-risk roads IN THE Coos COUNTY Forest.

Project Ref	Grantee	Project Name	State
OWEB 204-372B	OWEB	Coos WS Projects 2004	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-SEP-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$115,906	Southern Oregon Coastal

Project Description

The project proposes to implement projects throughout the Coos River watershed. Fish passage projects would occur IN BOTH UPPER AND LOWER WATERSHED areas. Riparian plantings will take place ON low gradient tributary AND mainstem streams. Additionally sediment reduction projects would take place ON high-risk roads IN THE Coos COUNTY Forest.

Project Ref	Grantee	Project Name	State
OWEB 204-372C	OWEB	Coos WS Projects 2004	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-SEP-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$112,598	Southern Oregon Coastal

Project Description

The project proposes to implement projects throughout the Coos River watershed. Fish passage projects would occur IN BOTH UPPER AND LOWER WATERSHED areas. Riparian plantings will take place ON low gradient tributary AND mainstem streams. Additionally sediment reduction projects would take place ON high-risk roads IN THE Coos COUNTY Forest.

Project Ref	Grantee	Project Name	State
OWEB 204-377	OWEB	Eichler Wetland Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	30-JUL-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$72,044	Willamette

Project Description

This project proposes to restore forested wetland habitat on a floodplain located adjacent to the South Yamhill River. The land is currently being managed for agriculture production. This restoration project can provide increased floodplain connectivity for flood control, reduce erosion and increase critical wetland habitat that benefits salmonids, forested waterfowl, native plants, and wildlife. OWEB funds would provide almost 50 percent of the restoration costs for contract work such as noxious weed control, site preparation, tree and shrub planting.

Project Ref	Grantee	Project Name	State
OWEB 204-380	OWEB	Salmon Carcass Enrichment/Sandy & Clackamas Rivers	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	08-JUN-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$59,424	Willamette

Project Description

This project would distribute surplus hatchery salmon carcasses by helicopter and volunteer ground crews to tributaries of the Sandy and Clackamas rivers to enhance levels of marine derived nutrients to increase production of natural spawning populations of salmon and steelhead. Full treatment will be applied over the entire distance, totaling 32 miles, of anadromy for targeted watersheds. Monitoring will be conducted to evaluate the project's overall effectiveness. OWEB funds would be used for personnel, contracted services, supplies/materials, administration and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 204-381	OWEB	Salmon River/Wee Burn Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$40,309	Lower Columbia

Project Description

This project is a resubmitted proposal for reestablishing natural floodplain and side-channel habitat to improve fish rearing and passage. Project benefits include increased access to spawning and off-channel rearing habitat for threatened Chinook/Coho salmon and winter steelhead, the protection of a streambank and sanitary sewer line from flood damage and erosion and the creation of new conservation education facilities and programs to inform the Resort's visitors about aquatic restoration efforts and watershed ecology. OWEB funds would be used for contracted services, personnel, supplies/materials, administration, and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 204-382	OWEB	Sandy River WS Riparian Protection - Final Phase	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	03-AUG-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$76,753	Lower Columbia

Project Description

This proposal covers the final two years of a successful and widely supported watershed scale, multi-partner and integrated habitat restoration and community outreach and education program. The focus of this landscape level project is protection and restoration of critical riparian habitat by removing system modifying noxious weeds, especially Japanese and giant knotweed. The project will increase local community and regional knowledge and action through control method research, vigorous education and outreach programs and volunteer action. OWEB funds would be used for personnel, contracted services, supplies/materials, administration, and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 204-383	OWEB	Blakesley Cr & Woods Cr Fish Passage & Stream Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-JUN-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$133,617	Willamette

Project Description

This project proposes improving three stream crossings on Blakesley Creek. Two culverts will be replaced with oversized countersunk pipe-arch culverts and one with a bridge. This project also proposes installing three to four rock weirs below an existing culvert in Woods Creek for improved fish passage to approximately nine miles of upstream fish habitat. These activities would assist in the recovery of cutthroat trout and possibly steelhead and juvenile chinook. OWEB funds would be used for personnel, contracted services, supplies/materials, and administration

Project Ref	Grantee	Project Name	State
OWEB 204-384	OWEB	Clear Cr Habitat Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	22-MAY-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$16,698	Willamette

Project Description

This project will provide much needed instream structures to Clear Creek. The structures will provide overhead cover, create pools, trap gravel, and reduce stream velocity and erosion potential. The project proposes augmenting the natural recruitment of large woody debris in Clear Creek by bringing in logs and boulders and strategically placing them in the channel for the purpose of increasing habitat complexity by creating suitable pools and riffles that will benefit salmonids present in the stream. OWEB funds would be used primarily for contracted services, supplies/materials, and administration.

Project Ref	Grantee	Project Name	State
OWEB 204-387	OWEB	Beaver Cr Fish Passage & Stream Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	21-JUN-04-05-JUN-06	Salmon Habitat Protection and Restoration	$0	$108,610	Willamette

Project Description

This project proposes removing two existing culverts and replacing them with oversized countersunk pipe-arch culverts, and placing a fishway on an agriculture dam that is impeding fish passage in the Beaver Creek subbasin. Providing fish passage around the agriculture dam and through the two culverts will open approximately 22 miles of good salmonid and resident trout habitat. The project area will be re-planted to enhance the restoration. OWEB funds would be used for personnel, contracted services, supplies/materials, production costs, and administration.

Project Ref	Grantee	Project Name	State
OWEB 204-388	OWEB	Clackamas River WS Riparian-Metro Parks	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	12-AUG-04-31-DEC-06	Salmon Habitat Protection and Restoration	$0	$149,475	Willamette

Project Description

This project proposal is a continuation of a five–year ongoing effort to eradicate Japanese knotweed from the headwaters of the Clackamas River downstream to Clear Creek. This project, in conjunction with cooperative projects with The Nature Conservancy of Oregon, Clark County (WA), and the Oregon Dept. of Agriculture will contribute to the refinement of a new, safe and effective technique for killing and controlling knotweed that can be applied on a regional basis. OWEB funds would be used for personnel, contracted services, supplies/materials, production costs, and administration.

Project Ref	Grantee	Project Name	State
OWEB 204-390	OWEB	Sheldon/Holt Wetland Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	30-JUL-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$38,758	Willamette

Project Description

This project proposes to restore land that is currently in agricultural production to a functioning, forested wetland habitat type along the South Yamhill River. The 56.5 acre site is located on the east floodplain of the South Yamhill River. The forested area will be planted to a mixed native wetland herbaceous cover to slow down invasion of Reed canary grass while the forest is established. The restored floodplain can provide critical wetland habitat during flooding for salmonids and forested waterfowl and reduce soil erosion. OWEB funds would provide close to 50 percent of the total restoration project. Funds would be used for contracted services and administration.

Project Ref	Grantee	Project Name	State
OWEB 204-392	OWEB	Little McKay Cr Stream Restoration & Natural Channel Estb	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	29-APR-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$65,429	Deschutes

Project Description

This project would remove the post-1964 flood berms that were placed on the sides of Little McKay Creek. It would reestablish a meander pattern on a portion of the stream to reduce stream velocities where it was channelized and it will place log and boulder structures to increase fish habitat on this .75 mile length of the stream. The project is just above the confluence with McKay Creek, a tributary to the Crooked River.

Project Ref	Grantee	Project Name	State
OWEB 204-393	OWEB	Upper Mill Cr Floodplain Restoration & Habitat Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	29-APR-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$44,295	Deschutes

Project Description

This project on Mill Creek above Ochoco Reservoir would remove the berms along the stream to allow the stream to connect to it's floodplain during high flows, exclude livestock, increase stream habitat and do plantings on a total of two miles of stream. There are two project sites on different properties.

Project Ref	Grantee	Project Name	State
OWEB 204-394	OWEB	Lost Cr Reservoir & Fish Passage Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	08-APR-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$84,028	Deschutes

Project Description

This project would lower the height of an earthen dam built in the 1940s and redesign its spillway to allow fish passage. The dam is located about 1.5 miles above the confluence of Lost Creek and the Crooked River. This project would be undertaken in an effort to improve dam safety, fish habitat and water quality.

Project Ref	Grantee	Project Name	State
OWEB 204-398	OWEB	Higgins Cr Restoration-Supplemental Request	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	12-APR-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$42,922	Deschutes

Project Description

This project would replace a culvert with a bridge to restore fish passage, upstream it would replace culvert with a hardened crossing, replace three undersized culverts, fix a headcut and install fencing to protect four miles of riparian area. Higgins Creek has native redband trout and is a tributary to Willow Creek that flows into the Deschutes.

Project Ref	Grantee	Project Name	State
OWEB 204-401	OWEB	Paisley Town Weir	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	03-JUN-04-31-DEC-08	Salmon Habitat Protection and Restoration	$0	$1,300,000	Oregon Closed Basins

Project Description

The project would remove and replace, at an upstream location, the Paisley Town Weir. The project would construct a fish friendly diversion that is screened and allows fish passage. The weir diverts up to 104 cfs for the Bagley Ditch Company and the citizens of Paisley. The existing weir has blocked fish passage in the Chewaucan River since 1965.

Project Ref	Grantee	Project Name	State
OWEB 204-402	OWEB	Crane Cr Passage 2004	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	13-APR-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$83,100	Upper Sacramento

Project Description

This project would replace culverts at two road crossings with two bridges to allow native redband trout passage to travel back upstream three miles. Crane Creek is just east of Goose Lake south of Lakeview.

Project Ref	Grantee	Project Name	State
OWEB 204-412	OWEB	Deer Cr Upland Waters Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$20,943	John Day

Project Description

The project proposes to install 21 off-stream water sources to improve water quality, upland conditions and wildlife habitat in Deer and Jinks creeks, tributaries to the North Fork John Day near Monument. Components include 22 troughs and 11 cement basins. OWEB funds are requested for project management (5%), labor for installation (11%), materials (75%), and administration (9%). Cost-share partners include CTUIR, Cross-D Ranch, Berrey Ranch and North Fork John Day WSC.

Project Ref	Grantee	Project Name	State
OWEB 204-415	OWEB	Hashknife Juniper Management	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	22-MAY-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$19,340	John Day

Project Description

Removing juniper on 110 acres in the upper reaches of Johnson Creek, a tributary of Bridge Creek near Mitchell would improve water quality and quantity in the John Day basin. Juniper slash will be incorporated into selected highly erodible ravines to help slow down erosion rates. OWEB funds are requested for technical oversight (8%), juniper removal (68%), native grass seed (15%), administration (8%), and monitoring (1%). Cost-share partners include NRCS, Wheeler SWCD, two landowners and Burnt Ranch.

Project Ref	Grantee	Project Name	State
OWEB 204-416	OWEB	Grande Ronde Enhanced Riparian Plant Survival Phase II	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	12-AUG-04-31-DEC-05	Salmon Habitat Protection and Restoration	$0	$11,860	Lower Snake

Project Description

This project would continue an ongoing effort to improve the survival of riparian plantings along the Grande Ronde. The City of La Grande would provide its municipal water right to allow for drip irrigation at both existing and proposed plantings. Watershed benefits include improved riparian vegetation. OWEB funds are requested for technician (68%), mileage (18%), filters/screen (10%), and administration (4%). Cost-share partners include USFWS.

Project Ref	Grantee	Project Name	State
OWEB 204-417	OWEB	Joseph Cr Steelhead Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	29-APR-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$42,450	Lower Snake

Project Description

Twelve and one half miles of blocked steelhead and redband trout habitat would be restored by removing and replacing five culverts in the Joseph Creek watershed with bridges. The current culverts are undersized or have inappropriate gradients with perches and were rated as “high” or “very high” for replacement in the Culvert Fish Passage Rating & Prioritization Report by the USFS. OWEB funds are requested for bridges (54%), abutment pairs (15%), excavation and installation (17%), administration (5%), and interpretive signs (9%). Cost-share partners include The Nature Conservancy, GRMWP, USFS, Wallowa Resources and Auburn University.

Project Ref	Grantee	Project Name	State
OWEB 204-418	OWEB	Indian Cr/Little Wilson Riparian Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	19-APR-04-31-DEC-05	Salmon Habitat Protection and Restoration	$0	$47,652	John Day

Project Description

The project includes 6.5 miles of fencing, three cattleguards and eight upland water developments to create a riparian pasture along Indian Creek and draw cattle away from Little Wilson Creek northwest of Monument. Watershed benefits include improved water quality, anticipated increased late-season flows and increased floodplain storage. OWEB funds are requested for project manager (1%), fence construction (72%), fencing materials (18%), and administration (9%). Other cost-share partners include USFS and C-J Ranch.

Project Ref	Grantee	Project Name	State
OWEB 204-419	OWEB	Morrow Co OHV Park WS Improvements	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	19-APR-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$44,691	John Day

Project Description

The North Fork John Day Watershed Council proposes to assure that development of the Morrow County Off-Highway Vehicle Park, northeast of Spray, occurs in a fish-friendly manner. Project components include installing a bridge across Porter Creek to avoid direct impacts on ESA-listed steelhead, six water troughs, various fencing, educational campaign aimed at promoting fish-friendly behavior by OHV users visiting the park. OWEB funds are requested for project management (6%), contracted services (56%), materials (29%), and administration (9%). Cost-share partners include Morrow County and Umatilla National Forest.

Project Ref	Grantee	Project Name	State
OWEB 204-423	OWEB	Jordan Cr Streambank Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	09-AUG-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$91,482	Middle Snake-Boise

Project Description

This project would improve riparian conditions, reduce sedimentation, decrease bank erosion and improve proper functioning conditions along one mile of Jordan Creek by installing 28 barbs, seven rock weirs and 12 tree revetments. The project would improve water quality, streamside conditions and will follow the Owyhee AWQMP. OWEB funds are sought for engineering/project management (6%), rock/revetment materials (18%), rock weir excavation/bank sloping (34%), rock/revetments (32%), and administration (10%). Cost-share partners are Skinner Ranches, Owyhee Watershed Council, Malheur SWCD and NRCS.

Project Ref	Grantee	Project Name	State
OWEB 204-428	OWEB	Devine Canyon Brush Management & Uplands Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	15-APR-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$138,182	Oregon Closed Basins

Project Description

This project proposes to mechanically remove juniper on 1,100 acres of uplands and wet meadows at the headwaters of Poison Creek Slough north of Burns. Juniper would be removed using a feller-buncher and perennial grass seed applied with a broadcast spreader. Areas of old-growth juniper will be retained. Several agencies are supportive of this comprehensive effort. OWEB funds are requested for juniper thinning (87%), perennial grass seed/planting (5%), video (1%), administration (4%), and monitoring (3%). Cost-share partners include landowners and Harney SWCD.

Project Ref	Grantee	Project Name	State
OWEB 204-429	OWEB	Fox Hill Spring Development & Livestock Dispersal	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$18,547	Lower Snake

Project Description

Located near La Grande, six spring sites will be developed at strategic locations to disperse livestock away from sensitive riparian areas, improve upland conditions and improve grazing management. Watershed benefits include reduced sediment, reduced nutrients and improved wetland habitat. OWEB funds are requested for technical support (2%), contracted services (53%), supplies/materials (20%), troughs (15%), and administration/monitoring (10%). Cost-share partners include the landowner.

Project Ref	Grantee	Project Name	State
OWEB 204-431	OWEB	Pine Cr Culvert Replacement at Robinson Canyon	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	22-MAY-04-31-DEC-05	Salmon Habitat Protection and Restoration	$0	$30,483	John Day

Project Description

An undersized fish-passage barrier culvert would be replaced with the appropriate sized bottomless-arch culvert to facilitate fish passage to over ten miles of spawning habitat for ESA-listed John Day steelhead near Clarno. OWEB previously funded engineering and provided funding for the downstream culvert. OWEB funds are requested for engineering/management (16%), contracted services-installation (59%), supplies/materials/culverts/rock/gravel (18%), and administration (7%). Cost-share partners include USFWS and CTWS.

Project Ref	Grantee	Project Name	State
OWEB 204-432	OWEB	Gibbs Streambank Stabilization	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	06-APR-04-31-DEC-05	Salmon Habitat Protection and Restoration	$0	$4,914	John Day

Project Description

Located between John Day and Mt. Vernon on the John Day, this project would curtail active streambank erosion with the installation of six low-grade barbs, reshaping the south bank, seeding the disturbed areas, planting willow cutting and rebuilding an undercut fence. Installation would curtail sediment loads into the John Day and improve conditions for chinook salmon and ESA-listed steelhead. OWEB funds are requested for rock (97%) and fencing materials (3%). Cost-share partners include the landowners and Grant SWCD.

Project Ref	Grantee	Project Name	State
OWEB 204-433	OWEB	Silvies River Neighborhood Restoration & Demonstration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	06-APR-04-31-DEC-05	Salmon Habitat Protection and Restoration	$0	$29,680	Oregon Closed Basins

Project Description

The project would promote BMP's for two adjacent landowners near Burns, including floodplain improvements, riparian plantings, 3,465' of riparian fencing, woody vegetation planting, perennial grass seeding, noxious weed control and removing old car bodies and other trash from the river. Implementation would reduce sediment loads, improve water quality, increase channel complexity and improve fish habitat. OWEB funds are requested for project management (3%), fencing (15%), equipment rental/contracted services (25%), materials (27%), permitting/signs (12%), administration (8%), and monitoring (9%). Cost-share partners include the landowners, USFWS, EOARC, Harney SWCD, ODA and ODFW.

Project Ref	Grantee	Project Name	State
OWEB 204-434	OWEB	End Cr/Rice Fish Habitat & Wetland Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	20-MAY-04-31-DEC-06	Salmon Habitat Protection and Restoration	$0	$38,880	Lower Snake

Project Description

Restore 540 acres of historic wetland that has been converted to cropland. A variety of restoration activities including 13,000' channel reconstruction, ditch filling, re-establishment of native trees, shrubs and grassland, 4,000' terrace construction, floodplain pond construction, weed control and riparian grazing management. OWEB funds are requested for contracted services (69%), supplies/materials (18%), seed (4%), and administration/monitoring (9%). Cost-share partners include BPA, NRCS, CTUIR, USFWS, ODFW and landowner .

Project Ref	Grantee	Project Name	State
OWEB 204-435	OWEB	Camp Cr/Whitney Valley	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	08-APR-04-30-SEP-06	Salmon Habitat Protection and Restoration	$0	$102,983	Middle Snake-Powder

Project Description

Seven partners are cooperating to accomplish several project components on 637 acres near Whitney including: fish-barrier removal; irrigation check structure; 4,500' riparian/pasture fencing; streambank stabilization; in-stream large wood; upland water development; vegetative plantings; remove fish barrier; and timber stand improvement. Watershed benefits include improved water quality, enhanced fish habitat on 1.5 miles of a fish-bearing stream and improved upland conditions. OWEB funds are requested for equipment rental & labor (51%), supplies/materials (46%), and administration (3%). Cost-share partners include Burnt SWCD, ODF, ODFW, NRCS, USFS, BPA, NMFS and the landowners.

Project Ref	Grantee	Project Name	State
OWEB 204-436	OWEB	Deer Cr Riparian Habitat Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	08-APR-04-30-JUN-06	Salmon Habitat Protection and Restoration	$0	$10,800	Middle Snake-Powder

Project Description

A 4.6 mile portion of New Zealand-style fence would be installed to create a cattle exclosure on 2.3 miles of Deer Creek in the Burnt River drainage. Seven hundred fifty woody shrubs will be planted in the spring of 2005. Watershed benefits include improved water quality and quantity; enhanced wildlife habitat and riparian vegetation. OWEB funds are requested for fencing (93%) and administration (7%). Cost-share partners include BLM, USFS, NWTF, Blue Mountain Elk Initiative, ODFW, Burnt SWCD and permittee.

Project Ref	Grantee	Project Name	State
OWEB 204-440	OWEB	5th Ave Willow Cr Protection	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	26-APR-04-31-DEC-05	Salmon Habitat Protection and Restoration	$0	$38,742	Middle Snake-Boise

Project Description

This project would exclude livestock from Willow Creek near Vale and improve water quality, reduce E. coli contamination and decrease water temperature. Project components include piping 4,280' of earthen ditch, installing a livestock watering system and 20 water tanks. OWEB funds are requested for technical assistance (5%), laser leveling (22%), well drilling (7%), pipes (31%), valves/concrete (29%), and equipment/signs (5%). Cost-share partners include NRCS, Malheur SWCD and the landowners.

Project Ref	Grantee	Project Name	State
OWEB 204-912	OWEB	OWEB 2003-05 CREP funding	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$800,000	Oregon

Project Description
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Project Ref	Grantee	Project Name	State
OWEB 204-915	OWEB	OWEB 2003-05 Small Grant Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	11-SEP-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$2,800,000	Willamette

Project Description
OWEB 2003-05 Small Grant Program

Project Ref	Grantee	Project Name	State
OWEB 201-728A	OWEB	Clackamas Co. 2002/03 fish passage - Howards Mill	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-04-APR-03	Salmon Habitat Protection and Restoration	$35,705	$0	Willamette

Project Description
Culvert replacements

Project Ref	Grantee	Project Name	State
OWEB 201-728B	OWEB	Clackamas Co. 2002/03 fish passage - Needy Road	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	10-JUL-02-04-APR-03	Salmon Habitat Protection and Restoration	$29,643	$0	Willamette

Project Description
Culvert replacements

Project Ref	Grantee	Project Name	State
OWEB 201-728C	OWEB	Clackamas Co. 2002/03 fish passage - Gibson Site	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	10-JUL-02-04-APR-03	Salmon Habitat Protection and Restoration	$62,044	$0	Willamette

Project Description
Culvert replacements

Project Ref	Grantee	Project Name	State
OWEB 201-728D	OWEB	Clackamas Co. 2002/03 fish passage - Graves Road	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-04-APR-03	Salmon Habitat Protection and Restoration	$29,068	$0	Willamette

Project Description
Culvert replacements

Project Ref	Grantee	Project Name	State
OWEB 201-728E	OWEB	Clackamas Co. 2002/03 fish passage - Henry Creek	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-02-04-APR-03	Salmon Habitat Protection and Restoration	$270,803	$0	Willamette

Project Description
Culvert replacements on Henry Creek

Project Ref	Grantee	Project Name	State
OWEB 201-728F	OWEB	Clackamas Co. 2002/03 fish passage - Gerber Road	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-02-31-DEC-03	Salmon Habitat Protection and Restoration	$364,235	$0	Willamette

Project Description
Culvert replacements on Gerber Road

Project Ref	Grantee	Project Name	State
OWEB 201-728Z	OWEB	Unallocated Clackamas County Earmark	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Habitat Protection and Restoration	$44,691	$0	Lower Columbia

Project Description

Unallocated Clackamas County Earmark

Project Ref	Grantee	Project Name	State
OWEB 203-007	OWEB	2003 NNWC Streamside Planting Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	23-OCT-02-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$29,970	Northern Oregon Coastal

Project Description

This project will restore plant trees and native shrubs on the riparian property of nine different landowners, a total of 2.3 miles of streambank, in the Nestucca River watershed. The project will also provide maintenance to last year's plantings on nine other properties. OWEB funds will be used for the purchase of trees and shrubs, planting supplies, tree protection devices, equipment, production cost, work crews and a project manager.

Project Ref	Grantee	Project Name	State
OWEB 203-009	OWEB	Merrill Cr Culvert Replacement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	10-OCT-02-03-APR-03	Salmon Habitat Protection and Restoration	$0	$29,025	Lower Columbia

Project Description

This project will replace a failing culvert with a bridge over Merrill Creek, a tributary of the Lower Columbia River near the community of Deer Island in Columbia County. OWEB funds would be used for project construction and production.

Project Ref	Grantee	Project Name	State
OWEB 203-016	OWEB	Middle Rogue Riparian Planting Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	25-OCT-02-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$108,196	Southern Oregon Coastal

Project Description

This project will initiate a coordinated riparian vegetation-planting program targeting streamside reaches in the Middle Rogue Watershed. The intent is to plant sixty properties per year dependent upon size of property, stream length and site condition and site preparation needed. Project funds requested would be used for Project management, travel, planting and site prep, cold tree storage, follow up weeding and watering, seedlings, mulch mats and associated supplies, tree protectors, shade cards, field supplies and fiscal administration.

Project Ref	Grantee	Project Name	State
OWEB 203-019	OWEB	Fate Cr Culvert Replacement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-OCT-02-31-OCT-04	Salmon Habitat Protection and Restoration	$0	$9,932	Southern Oregon Coastal

Project Description

This project proposes to replace an existing culvert with a pipe arch, remove an irrigation dam and install a rock chute to preserve establish habitat values. Cemented gabions will be replaced with rock weirs. The project will facilitate fish passage into four miles of habitat above the barrier. Project funds requested would be used for a field technician, culvert costs, installation and design and fiscal administration.

Project Ref	Grantee	Project Name	State
OWEB 203-023	OWEB	Applegate Basin Riparian Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	27-FEB-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$109,270	Southern Oregon Coastal

Project Description

The project would continue the Applegate River Watershed Council's Riparian Restoration Program the Applegate River watershed. Under the current proposal, 30,000 native trees and shrubs will be planted, noxious weeds will be removed and grazing management plans would be developed and implemented on those landowners managing livestock. Project funds requested would be used for project management, travel, site prescriptions, fencing and planting labor, seedlings, equipment rental, site preparation, stock watering and fiscal administration.

Project Ref	Grantee	Project Name	State
OWEB 203-024	OWEB	Little Applegate Road Sediment Reduction	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$99,060	Southern Oregon Coastal

Project Description

This project proposes to reduce erosion and delivery of sediment to anadromous fish-bearing streams in the Applegate River watershed. Road rehabilitation, including drainage improvements, aggregate applications, stream crossing improvements and road decommissioning will reduce erosion at documented, high priority sediment source areas in the Little Applegate River watershed. Project funds requested would be used for project management, travel, road improvements, field and office supplies, mailing, film, monitoring equipment and fiscal administration.

Project Ref	Grantee	Project Name	State
OWEB 203-025	OWEB	Champagne Cr Riparian Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	25-NOV-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$11,413	Southern Oregon Coastal

Project Description

The project is located on Champagne Creek in the South Umpqua River watershed. Best management practices including riparian fencing, planting, off-channel water development and hardened crossings will be implemented to help reduce any possible nutrient inputs and provide for future shading to help cool water temperatures. Project funds requested would be used for design, travel, fencing materials, planting materials, hardened crossings, weed/moisture control materials and fiscal administration.

Project Ref	Grantee	Project Name	State
OWEB 203-027	OWEB	Booke Wetland Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	25-NOV-02-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$39,722	Southern Oregon Coastal

Project Description

This project will restore 30 acres of drained agricultural land to a wetland, wet meadow and upland habitat through drain pipe removal and plugging. Shallow water areas will be created, native vegetation will be reestablished and exclusion fence will be constructed. Project funds requested would be used for project management, planning/design, construction materials, contracted services, plants, supplies, monitoring, travel and fiscal administration.

Project Ref	Grantee	Project Name	State
OWEB 203-028	OWEB	Anderson Cr Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$56,718	Southern Oregon Coastal

Project Description

The project proposes to undertake an aggressive native vegetation planting plan and three years of invasive exotic vegetation control. Project funds requested would be used for project management, wetland vegetation salvage and planting, willow collection, a planting crew, two brush cutters, monitoring, exotic vegetation control, plants, related supplies and materials, back pack sprayers and fiscal administration.

Project Ref	Grantee	Project Name	State
OWEB 203-029	OWEB	Rogue River Stakeholders Group Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-SEP-02-01-OCT-03	Salmon Habitat Protection and Restoration	$0	$283,780	Southern Oregon Coastal

Project Description

The project proposes to prevent pit capture by the Rogue River of abandoned floodplain gravel pits by constructing four stream barbs to arrest bank erosion. The project will protect fish habitats and water quality. The implementation of the project will help prevent future channel avulsion and resulting impacts to fisheries and habitats. Funds requested from OWEB would be used for post-construction modeling, trucking of rock, barb construction preparation of construction specifications and fiscal management.

Project Ref	Grantee	Project Name	State
OWEB 203-045	OWEB	Norton Cr Culvert Replacement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	09-DEC-02-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$111,205	Willamette

Project Description

This proposal is to remove and replace two culvert crossings in the Mary's River watershed and to enhance the associated streambed. This will provide fish passage upstream to about 2,600 acres and 8 miles of "good" fish habitat. OWEB funds are requested for personnel, contracted labor/equipment, construction materials, production and administration.

Project Ref	Grantee	Project Name	State
OWEB 203-046	OWEB	Vincent Cr Culvert Replacement & Stream Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	17-OCT-02-24-JAN-04	Salmon Habitat Protection and Restoration	$0	$39,680	Willamette

Project Description

This proposal is to remove and replace a culvert on Alexander Road in the Luckiamute watershed and to revegetate the adjacent banks. This will open 1.1 miles of “good” fish habitat within a drainage boundary of 972 acres. OWEB funds are requested for contracted labor and equipment, and construction materials.

Project Ref	Grantee	Project Name	State
OWEB 203-050	OWEB	Milton Cr Dam Removal	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	14-MAR-03-09-SEP-03	Salmon Habitat Protection and Restoration	$0	$4,035	Willamette

Project Description

This proposal is to remove a concrete dam that has been identified as a partial fish barrier in a key sub-watershed. The project will open quality fish habitat in the 23,000-acre Salmonberry Forest property owned by the City of St. Helens. OWEB funds are requested for contracted design and permitting, construction materials and labor.

Project Ref	Grantee	Project Name	State
OWEB 203-051	OWEB	McCarthy Cr Wetland Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	09-APR-03-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$193,171	Willamette

Project Description

This proposal seeks funding for restoration of floodplain connectivity among three properties. Fishways and water control structures will allow for adaptive management to promote habitat recovery for threatened, endangered, and other wetland-dependent species. OWEB funds are requested for permitting, engineering, contracted labor, construction management/materials and 5 years of monitoring.

Project Ref	Grantee	Project Name	State
OWEB 203-060	OWEB	Metolius Preserve Acquisition	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	18-JUN-03-16-JUL-03	Salmon Habitat Protection and Restoration	$0	$450,000	Deschutes

Project Description

This project would assist in the purchase of 1240 acres of forest land in the Lake Creek Subbasin to the Metolius River for restoration, education and recreation. The property is a unique ecosystem of large yellow-belly ponderosa pine and spring-fed streams surrounded by national forest managed lands. Lake Creek historically provided key habitat for spring chinook and sockeye salmon and it currently provides habitat for redband and bull trout (the bull trout is a federally endangered species).

Project Ref	Grantee	Project Name	State
OWEB 203-060A	OWEB	Metolius Preserve Appraisal	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	--24-JUL-02	Salmon Habitat Protection and Restoration	$0	$563	Deschutes

Project Description

Appraisal for the Metolius Preserve.

Project Ref	Grantee	Project Name	State
OWEB 203-066	OWEB	Tieman Cr Fish Passage & Sediment Control	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	21-OCT-02-27-MAY-03	Salmon Habitat Protection and Restoration	$0	$30,965	Middle Columbia

Project Description

The project would replace a culvert (fish passage barrier) with a bridge over Tieman Creek (a tributary of the East Fork Hood River). It would also rock the road to reduce sediment runoff. The creek has a resident population of cutthroat trout and was historically used by steelhead trout (an ESA listed species).

Project Ref	Grantee	Project Name	State
OWEB 203-067	OWEB	Direct Seeding Incentive/Sherman Co	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	18-FEB-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$169,865	Middle Columbia

Project Description

Direct seeding provides crop residue throughout the wheat crop cycle to reduce runoff and sediment transport. The project would help cover the additional start-up costs of converting to direct seeding by providing $15/acre for 2 out of 3 years the grower would commit to direct seeding. OWEB funds would be used to provide the cost share, along with EQIP funds, personnel, and for monitoring and administration.

Project Ref	Grantee	Project Name	State
OWEB 203-068	OWEB	Pine Hollow/Jackknife WS Enhancement/9 Farms	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	18-FEB-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$87,628	John Day

Project Description

Watershed enhancement projects on 9 farming operations would include spring and water developments for better livestock distribution, range seedings, water and sediment control basins, terraces and riparian fencing in the Pine Hollow and Jackknife subbasins to the John Day River in Sherman County. OWEB funds would be used to pay for personnel, contracted services, administration and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 203-071	OWEB	Schons Bridge Cr Riparian Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	21-OCT-02-30-DEC-03	Salmon Habitat Protection and Restoration	$0	$19,850	Oregon Closed Basins

Project Description

Bridge Creek, a tributary to Silver Lake Marsh, supports redband trout. This project would build on previous fish screen installations and riparian fencing by installing a third fish screen and four more miles of riparian fencing, one-half mile of cross fencing and a portable solar water pump for off-stream livestock water. OWEB funds will be used for supplies and materials and administration of the grant.

Project Ref	Grantee	Project Name	State
OWEB 203-072	OWEB	Point Ranch WS Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	25-OCT-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$88,827	Upper Sacramento

Project Description

In order to improve water quality and protect redband trout, this project would construct 8 miles of riparian pastures and stock ponds to provide off-stream water for livestock. Juniper cutting will restore upland vegetation and hydrology and a fish passage friendly structure will replace an existing water control structure. OWEB funds will be used for contracted services, supplies and materials and administration.

Project Ref	Grantee	Project Name	State
OWEB 203-073	OWEB	Clover Flat/Valley Falls WS Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	26-OCT-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$27,250	Oregon Closed Basins

Project Description

This project would construct off-stream water development and fencing to manage livestock away from Green Creek during the nine months (excluding winter) of use. OWEB funds will be used for contracted services, supplies and materials and grant administration.

Project Ref	Grantee	Project Name	State
OWEB 203-078	OWEB	Sprague River Wetlands/Ridgeway (Phase I & II)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	20-OCT-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$359,000	Klamath

Project Description

This project on the Sprague River would complete the excavation of a 25 acre flow-through seasonal wetland and it would enhance an 80 acre flow-through wetland oxbow. These projects will help address water quality limiting issues (the Sprague River is on the 303(d) list), provide water storage in the soil profile and reduce phosphorous entering Upper Klamath Lake. OWEB funds will be used for contracted services and grant administration.

Project Ref	Grantee	Project Name	State
OWEB 203-080	OWEB	Crooked River Shared Hydrologist	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	14-APR-03-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$45,500	Deschutes

Project Description

Currently the Crooked River watershed council has an MOU with Ochoco National Forest for one-third time of a full time shared hydrologist. This project would extend the MOU until October 2004 to allow that position to oversee implementation of projects and continue project design. OWEB funds would be used to fund salary related to specific project completion and grant administration.

Project Ref	Grantee	Project Name	State
OWEB 203-083	OWEB	Tumalo Water Conservation Phase III Pipeline 1B	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	11-DEC-02-30-DEC-03	Salmon Habitat Protection and Restoration	$0	$200,000	Deschutes

Project Description

Tumalo Creek serves as significant aquatic spawning habitat and connection to the Deschutes River. It also provides spawning gravels and cool water. This project would be the third OWEB supported portion of converting leaking, open main diversion canals to buried pipe in order to create conserved water to stay in Tumalo Creek and the middle Deschutes River. OWEB funds would be used for contracted services including design and construction.

Project Ref	Grantee	Project Name	State
OWEB 203-090	OWEB	Phase II Bear Gulch WS Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	14-OCT-02-30-SEP-04	Salmon Habitat Protection and Restoration	$0	$27,050	Lower Snake

Project Description

The project is proposing restoration of uplands in the Big Sheep drainage, including an upland playa, by installation of 7,000' of fencing, 4 water developments and 7 acres of planting. OWEB funds are requested for fencing (37%), water developments (21%), technical assistance (18%), planting (17%) and administration (7%).

Project Ref	Grantee	Project Name	State
OWEB 203-091	OWEB	Wallowa Co Fuels Treatment & Forest Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Habitat Protection and Restoration	$0	$67,350	Lower Snake

Project Description

The project will provide additional cost-share for precommercial thinning and slash treatment on 225 acres. These practices will increase productivity, reduce the potential for catastrophic fire, improve forest health and watershed health and function. OWEB funds are requested for contracted services for thinning & slash abatement (96%) and administration (4%).

Project Ref	Grantee	Project Name	State
OWEB 203-092	OWEB	NE Oregon Stream Crossing Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	08-OCT-02-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$85,800	Middle Columbia

Project Description

This project is to provide immediately available funding for non-industrial private landowners to replace, repair or enhance stream crossings and forest roads within 300' of stream crossings. The work will be done on main-channel streams to directly improve water quality, fish passage & habitat and will be funded at a 65% cost-share. OWEB funds are requested for stream-crossing restoration (90%) and administration (10%).

Project Ref	Grantee	Project Name	State
OWEB 203-094	OWEB	Church & Lay Small Pond Development	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	28-MAY-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$21,048	Middle Snake-Powder

Project Description

Funds are sought for building two ponds to be used primarily for wildlife habitat and secondarily for livestock water. The ponds address water quality issues, following SB1010 objectives, as early season runoff will be captured and stored, providing a late-season release. OWEB funds are requested for mobilization (8%), pond construction (62%), fencing installation (6%), livestock watering system (6%), fence installation (6%) and administration/personnel (12%).

Project Ref	Grantee	Project Name	State
OWEB 203-096	OWEB	Esplin Water Quality Protection	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	13-NOV-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$37,000	Middle Snake-Boise

Project Description

This project will move a feedlot out of its existing location in a draw and away from the Sheep Creek tributary; build a water-and-sediment control basin; prepare a comprehensive animal waste management plan and restore the present location by seeding it to crested and tall wheatgrass. OWEB funds are requested for engineering (29%), fencing (15%), feed lot relocation (49%), and administration (7%).

Project Ref	Grantee	Project Name	State
OWEB 203-097	OWEB	Fletcher Gulch Restoration Site	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	13-NOV-02-30-SEP-04	Salmon Habitat Protection and Restoration	$0	$272,675	Middle Snake-Boise

Project Description

The project is a system of practices, both established and conceptual, combined to address water quality, water and soil conservation and wildlife habitat. A carefully designed gravity-fed, low-pressure sprinkler system will be efficiently and effectively used along with water management, soil health improvement, seeding on non-cropped area, cover crops and several conservation practices. OWEB funds are requested for pipe and installation (65%), engineering (8%), pumping plant/filters (12%), field labor (6%), meters/sensors (3%), administration (5%).

Project Ref	Grantee	Project Name	State
OWEB 203-099	OWEB	Harshfield Little Sheep Cr Bank Stabilization	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	02-SEP-03-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$7,116	Lower Snake

Project Description

Floods in 1992, 1995 and 1997 caused serious bank scouring on a bend of Little Sheep Creek creating a 6-ft cutbank behind a hay shed. This project will install 4 rock-vortex weirs to center the Thalweg, relieving the pressure on the corner, reducing erosion potential and sediment transport. A rock toe will be constructed at the base of the cutbank.

Project Ref	Grantee	Project Name	State
OWEB 203-100	OWEB	John Day Basin Juniper Control	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Habitat Protection and Restoration	$0	$30,000	John Day

Project Description

The project proposes to thin dense juniper stands that sequester water supply in the watershed to increase water quantity, quality and improve upland condition. The applicant seeks to target 2,000 acres per year for juniper removal. Treatment sites will be surveyed for available native grass and shrub seed sources. OWEB funds are requested for juniper removal (100%).

Project Ref	Grantee	Project Name	State
OWEB 203-101	OWEB	Richartz Canal Piping/Walla Walla R Conservation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	08-NOV-02-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$170,000	Middle Columbia

Project Description

This project seeks cost-share funding for piping almost 3 miles of open canal with 16 users, 1,111 acres and return and protect 4 cfs to the river using the Conserved Water Program. The completed project will restore summer flows for 4 miles of habitat used by ESA-listed steelhead and bull trout. OWEB funds requested for pipe and materials (97%) and administration (3%).

Project Ref	Grantee	Project Name	State
OWEB 203-114	OWEB	Circle Cr Acquisition	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Habitat Protection and Restoration	$0	$300,000	Northern Oregon Coastal

Project Description

The North Coast Land Conservancy proposes to acquire a 365-acre floodplain property along the Necanicum River in Seaside. Acquisition of this property would protect one of the largest remaining spruce swamps on the Oregon coast and set the stage for restoration of a functioning natural floodplain system with high value for native fish and wildlife. The property includes 3.1 miles of Circle Creek, a highly productive low-gradient stream that provides high quality rearing habitat for juvenile salmonids, and 1.7 miles of frontage along the Necanicum River, a major producer of coho salmon. The funds requested will match a US Fish and Wildlife Service Coastal Wetland Conservation Grant of $750,000, which was submitted by OWEB in June 2002.

Project Ref	Grantee	Project Name	State
OWEB 203-114B	OWEB	Circle Cr Acquisition - Direct Costs	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	16-MAY-03-02-DEC-03	Salmon Habitat Protection and Restoration	$0	$1,831	Northern Oregon Coastal

Project Description

Direct costs associated with acquisition grant, ie, review appraisal, AG Costs, DEQ costs

Project Ref	Grantee	Project Name	State
OWEB 203-118	OWEB	Clatsop Co Riparian Restoration Project 2003	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	18-FEB-03-30-APR-04	Salmon Habitat Protection and Restoration	$0	$39,185	Northern Oregon Coastal

Project Description

This riparian planting and maintenance project would plant and maintain, until free-to-grow, approximately 11,000 trees and native shrubs on the property of 9 different landowners on the Necanicum and Lewis & Clark Rivers in Clatsop County. Site preparation work would be necessary on most of the sites because of current invasive plant species infestations. Various herbivore protective strategies, including fencing and tubing, will be employed as well. OWEB funds will be used to pay a project manager, travel costs, supplies & materials and maintenance/monitoring costs.

Project Ref	Grantee	Project Name	State
OWEB 203-121	OWEB	Riparian Restoration Project-Yachats & Beaver Cr	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	17-JUN-03-30-APR-04	Salmon Habitat Protection and Restoration	$0	$26,259	Northern Oregon Coastal

Project Description

This project would enhance riparian conditions on six private properties on the Yachats River and Beaver Creek, two 303(d) listed streams in the mid-coast region. Native trees and shrubs will be planted, protected by a variety of strategies and maintained until free-to-grow. OWEB funds will be used for planting stock, planting activities, protective materials and maintenance.

Project Ref	Grantee	Project Name	State
OWEB 203-125	OWEB	Tillamook Co SWCD WS Restoration & Enhancement Planting 2002	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Habitat Protection and Restoration	$0	$13,485	Northern Oregon Coastal

Project Description

This project would plant a mixture of willows and native trees on riparian land of four separate landowners in Tillamook County. Two of the properties are on the Nestucca River, one on the Trask River and one on Dougherty Slough (which drains into the Trask). OWEB funds will be used for planting crew wages and travel and a small amount for monitoring.

Project Ref	Grantee	Project Name	State
OWEB 203-127	OWEB	Williams Cr Land Acquisition Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	18-SEP-03-23-SEP-03	Salmon Habitat Protection and Restoration	$0	$42,000	Southern Oregon Coastal

Project Description

This project proposes to purchase a 30.83 acre parcel along the mainstem of Williams Creek (T38S R5w Sec.26, TL 800) in order to permanently protect the functioning floodplain, riparian and aquatic habitats therein. Josephine County has agreed to sell the land to the Williams Creek Watershed Council and the Southern Oregon Land Conservancy (SOLC) for conservation purposes. This parcel includes a one half mile section of core coho habitat. Project partners include World Wildlife Foundation, Applegate River WC and Josephine Co. Public Works.

Project Ref	Grantee	Project Name	State
OWEB 203-127A	OWEB	Williams Cr Land Acquisition-Direct Costs	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	02-DEC-03-02-DEC-03	Salmon Habitat Protection and Restoration	$0	$1,150	Southern Oregon Coastal

Project Description

Review appraisal, AG and hazardous review costs

Project Ref	Grantee	Project Name	State
OWEB 203-137	OWEB	Coquille WS Project Maintenance	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	25-JUN-03-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$94,450	Southern Oregon Coastal

Project Description

This project would complete tree and brush maintenance on approximately 130 miles of riparian enhancement projects completed in the Coquille River Watershed by the Coquille Watershed Association (CWA). These projects consist primarily of livestock exclusion fencing and riparian planting. Types of maintenance would include brush and grass clearing (tree release), and re-planting of riparian areas as needed.

Project Ref	Grantee	Project Name	State
OWEB 203-138	OWEB	Gibby Riparian Protection & Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	10-MAR-03-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$17,788	Southern Oregon Coastal

Project Description

The project goal is to restore the riparian area and continue to have livestock on the property. To accomplish this goal, livestock exclusion fencing will be placed along the riparian area. Where appropriate, riparian plantings will be undertaken with appropriate vegetation types and quantities, a single hardened livestock crossing will allow access to the other side of the property, a water network will be developed ton allow water to be distributed to pastures and will be placed to encourage livestock to utilize all available acreage and reduce pressure on riparian fencing. It will also assist with rotational grazing.

Project Ref	Grantee	Project Name	State
OWEB 203-142	OWEB	Tenmile Lakes WS Riparian Enhancement & Upslope Erosion	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	18-APR-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$99,008	Southern Oregon Coastal

Project Description

This project proposes to enhance and maintain riparian areas on seventeen stream reaches of six tributaries of Tenmile Lakes, fence three miles of Big Creek tributaries and implement Phase II of the basin-wide upland erosion control (seeding) program. Sites to be planted and erosion sites have been identified through a completed Riparian/Sediment Assessment.

Project Ref	Grantee	Project Name	State
OWEB 203-152	OWEB	Banks Wetland Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	29-MAY-03-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$57,116	Willamette

Project Description

This project will restore and enhance degraded habitat along a 1,700-foot segment of the 40-mile loop trail that borders the northern portion of Smith Lake in the City of Portland. The work includes removing approximately 26,000 sq. ft. of impervious roadway and enhancing forested habitat along the area. OWEB funds would be used primarily for engineering design, permits, contracted services, and materials.

Project Ref	Grantee	Project Name	State
OWEB 203-154	OWEB	Clackamas River WS Riparian Protection	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	30-JUL-03-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$48,050	Willamette

Project Description

This proposal is to conduct Phase II of the Japanese Knotweed Control Program begun (and funded by OWEB) in the Clackamas River Watershed in 2001. The project requests support for a full-time Metro four-person crew to facilitate an expanded, aggressive control effort. OWEB funds would be used primarily for personnel, contracted services and outreach.

Project Ref	Grantee	Project Name	State
OWEB 203-155	OWEB	L Molalla River Mine Land Reclamation & Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	14-FEB-03-30-MAY-04	Salmon Habitat Protection and Restoration	$0	$11,152	Willamette

Project Description

This proposal is to enhance fish and wildlife habitat and stabilize a segment of the Lower Molalla riverbank impacted by pre-law mining. The now-abandoned mine processing site is devoid of all riparian vegetation. The project will restore 3.5 acres of riparian habitat and create a .5 acre seasonal wetland. OWEB funds would be used primarily for purchasing and establishing the riparian plants and project monitoring.

Project Ref	Grantee	Project Name	State
OWEB 203-156	OWEB	Mt Scott Cr (Bischel Property) Fish Passage Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	11-MAR-03-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$26,996	Willamette

Project Description

This proposal is to improve fish passage at a private driveway in Clackamas by removing 3 culverts and replacing them with a full-span concrete bridge. The project includes removal of non-native invasive vegetation and planting native vegetation up and downstream from the bridge. OWEB funds would be used primarily for project design, coordination and contracted services.

Project Ref	Grantee	Project Name	State
OWEB 203-159	OWEB	Sandy River WS Riparian Protection Phase III	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	23-JUN-03-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$75,323	Lower Columbia

Project Description

This proposal is for the fourth year of a landscape-scale effort to remove noxious weeds, especially Japanese and giant knotweed, in the Sandy River watershed. The project includes an education-outreach program and volunteer action. OWEB funds would be used primarily for personnel, contracted services, supplies and outreach.

Project Ref	Grantee	Project Name	State
OWEB 203-160	OWEB	Scappoose Bay WS Priority Fish Passage Correction	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	17-MAR-03-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$127,445	Lower Columbia

Project Description

This resubmitted proposal is for correction of 7 high-priority fish passage barriers in the Scappoose Bay watershed. OWEB funds would be used primarily for project coordination, contracted services for engineering design, permitting, and construction and contingency funds..

Project Ref	Grantee	Project Name	State
OWEB 203-161	OWEB	Second Avenue Culvert Removal Periwinkle Cr Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	31-MAR-03-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$26,000	Willamette

Project Description

This project involves removing a failing culvert and associated fill along Periwinkle Creek in the City of Albany, dead-ending the overlying street, removing blackberries, and restoring in-stream, bank and riparian features and functions. OWEB funds would be used primarily for contracted services related to culvert removal, slope protection and plantings and obtaining a manufactured home space.

Project Ref	Grantee	Project Name	State
OWEB 203-163A	OWEB	Oregon City 2003 Fish Passage Improvement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	16-APR-03-31-DEC-03	Salmon Habitat Protection and Restoration	$133,811	$0	Willamette

Project Description

Same as 203-156. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 203-164	OWEB	S Meadow/BPA Parcel Floodplain Enhancement Project III	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	29-APR-03-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$156,110	Willamette

Project Description

Located at the Buford Park/Mt. Pisgah Arboretum in the Coast Fork Willamette floodplain, this project will: 1) plant 4,500 native trees and shrubs; 2) irrigate 7,000 trees and shrubs planted in 2002-03; 3) design, engineer and secure permits to reopen side channels to restore river-floodplain interaction; 5) implement channel modification measures; and 6) continue exotic species special control efforts. OWEB funds would be used primarily for personnel, labor, contracted services, materials and equipment lease.

Project Ref	Grantee	Project Name	State
OWEB 203-164A	OWEB	S Meadow/BPA Parcel Floodplain Enhancement Project III	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	23-JUN-03-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$131,100	Willamette

Project Description

Located at the Buford Park/Mt. Pisgah Arboretum in the Coast Fork Willamette floodplain, this project will: 1) plant 4,500 native trees and shrubs; 2) irrigate 7,000 trees and shrubs planted in 2002-03; 3) design, engineer and secure permits to reopen side channels to restore river-floodplain interaction; 5) implement channel modification measures; and 6) continue exotic species special control efforts. OWEB funds would be used primarily for personnel, labor, contracted services, materials and equipment lease.

Project Ref	Grantee	Project Name	State
OWEB 203-174	OWEB	Double K Ranch Wetland Treatment Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	09-APR-03-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$31,767	Klamath

Project Description

The 600 acre ranch borders the Wood River in the Klamath Basin. The landowner is seeking ways to enhance the compatibility of the ranch with the fish and wildlife resources in the adjoining wetlands, riparian and aquatic environments. This project will design and construct 3 wetlands of 4, 12 and 5 acres and install fencing to exclude livestock.

Project Ref	Grantee	Project Name	State
OWEB 203-175	OWEB	George Springs	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-MAR-03-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$45,000	Klamath

Project Description

The project site is a spring adjacent to the Sprague River and is an important spawning site for endangered suckers and redband trout. The outlet channel is degraded and blocked by river sediments. This project would restore habitat features, stabilize the spring channel outlet and reconfigure the channel to create spawning structures that retain gravel in pool tailouts.

Project Ref	Grantee	Project Name	State
OWEB 203-176	OWEB	Gilliam Lonerock Stock Watering Systems	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	28-APR-03-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$31,723	John Day

Project Description

This proposal will cost share livestock water developments away from riparian areas in Gilliam County. Three systems are proposed which will take pressure off of East Fork Thirty-mile and Lonerock Creeks, both of which provide steelhead spawning and rearing habitat and are water quality listed for exceeding the temperature standards.

Project Ref	Grantee	Project Name	State
OWEB 203-177	OWEB	Goose Lake Restoration & Riparian Protection	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	09-APR-03-30-DEC-05	Salmon Habitat Protection and Restoration	$0	$495,660	Upper Sacramento

Project Description

This project will restore 12 miles of stream and riparian habitat on Thomas and Cottonwood Creeks just upstream from Goose Lake in Lake County. Wetlands in excess of 2,000 acres will also be restored. This project will enhance water quality and habitat conditions for the Goose Lake Redband Trout and the federally listed Modoc sucker.

Project Ref	Grantee	Project Name	State
OWEB 203-178	OWEB	Grass Valley WS Enhancement Projects on 3 Farms	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	11-MAR-03-30-DEC-05	Salmon Habitat Protection and Restoration	$0	$41,583	John Day

Project Description

This project would assist three farming operations in Sherman County by constructing 55,919 feet of terraces, 28 water and sediment control basins and 3,234 feet of grass waterway for a total treatment area of 800 acres. These projects would reduce sediment into the Deschutes, John Day and Columbia rivers.

Project Ref	Grantee	Project Name	State
OWEB 203-180	OWEB	Lower Sycan River Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	16-JAN-03-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$83,500	Klamath

Project Description

The Sycan River in Klamath County is water quality limited with high nutrient loads, low dissolved oxygen, high temperatures and sediment. This project would restore two miles of stream and 480 acres by reconstructing the channel to narrow it and add sinuosity to reconnect it to it's floodplain, reconnecting springs to the river, restoring off-stream wetlands and fencing the riparian areas.

Project Ref	Grantee	Project Name	State
OWEB 203-181	OWEB	McKenzie Canyon Black Butte Assn Canals Pipeline Phase I	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	17-MAR-03-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$164,000	Deschutes

Project Description

This project would replace an open irrigation canal with two miles of 34 inch pipeline resulting in the transfer of 1.2 cfs of water to Squaw Creek near Sisters. Squaw Creek supports endangered bull trout and it will play an important role in the re-introduction of anadromous fish in the upper Deschutes Basin.

Project Ref	Grantee	Project Name	State
OWEB 203-184	OWEB	Restoration of Bull Trout Habitat in Long Cr - Sycan Marsh	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	09-JUN-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$49,463	Klamath

Project Description

This project will construct two miles of fence, remove two miles of fence and monitor fish presence through the restoration area in Long Creek on the west side of Sycan Marsh in Lake County. The project will protect 560 acres of riparian habitat to support the ESA listed bull trout.

Project Ref	Grantee	Project Name	State
OWEB 203-186	OWEB	Sheldon Ridge Fire Rehabilitation Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	04-FEB-03-27-OCT-03	Salmon Habitat Protection and Restoration	$0	$35,498	Middle Columbia

Project Description

This project would rebuild 18 miles of livestock fencing and reseed 630 acres within the 12,465 acre Sheldon Ridge fire west of The Dalles.

Project Ref	Grantee	Project Name	State
OWEB 203-187	OWEB	WeedSeeker Selective Spray Demonstration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	26-FEB-03-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$28,520	Middle Columbia

Project Description

A new selective spray technology known as “WeedSeeker” will be demonstrated on a farm in the Fifteenmile watershed near The Dalles. This technology uses infrared scanners to apply herbicide only on live weeds – not bare ground. The erosion prevention practices of direct seeding and no-till rely on herbicide application to control weeds.

Project Ref	Grantee	Project Name	State
OWEB 203-189	OWEB	White River Fire Rehabilitation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	04-MAR-03-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$96,422	Deschutes

Project Description

This project would rebuild 49 miles of livestock fencing destroyed by the White River fire in the Bakeoven and Buck Hollow watersheds in Sherman County.

Project Ref	Grantee	Project Name	State
OWEB 203-194	OWEB	Coyote Butte Controlled Burn	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	25-MAR-03-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$38,475	John Day

Project Description

The project will increase desirable forage, restore desirable riparian vegetation, decrease undesirable species, mitigate wildfire potential and decrease soil erosion potential. The project will have demonstration value highlighting the combination watershed range enhancement and fuels reduction. The applicant proposes to implement a controlled burn on 535 acres, fuels reduction and pruning on 65 acres, aerial application of herbicide on 475 acres, aerial grass seeding on 150 acres and installation of an off-site water trough. OWEB funds are requested for contracted services for thinning, burning, installation of water trough, aerial seeding and spraying (99%) and administration (1%). Cost-share partners include the landowner.

Project Ref	Grantee	Project Name	State
OWEB 203-195	OWEB	Davidson Stream Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	31-JUL-03-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$20,569	Lower Snake

Project Description

This project addresses a severe head-cut and channel reconstruction. It proposes to construct a 2,150' stream channel, reshape and seal an existing pond, construct a new pond to expand wildlife habitat and the project area enrolled in CREP. OWEB funds are requested for contracted services for the pond construction, wood debris, placement, bentonite, reshaping the old channel, data input (90%) and administration (10%). Cost-share partners include the landowner. Agencies will be involved with project inspection.

Project Ref	Grantee	Project Name	State
OWEB 203-196	OWEB	Habecker-Wade Fish Passage & Irrigation Improvement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	23-APR-03-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$34,250	John Day

Project Description

The project proposes to replace 7,600' of earthen ditches with gated-PVC irrigation pipe and provide access for steelhead and red-band trout to 10 stream miles of the West Branch of Bridge Creek by installing a fish friendly diversion weir. An existing flume will also be replaced. Project outcomes include improved water quality and quantity. OWEB funds are requested for engineering (15%), flume construction (15%), PVC (58%) and administration/monitoring (12%). Cost-share partners include USFWS, NRCS, OWRD, ODFW and the landowners.

Project Ref	Grantee	Project Name	State
OWEB 203-198	OWEB	Courtney Small Pond & Nutrient Management	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	30-APR-03-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$17,822	Lower Snake

Project Description

This project will build a small swale to capture livestock runoff, build a small pond, develop 2 springs, provide livestock water and install 1,120' of cross-fencing. The pond is solely for wildlife habitat. To capture livestock runoff, a small swale will be built above the pond, where sediment and nutrient-contaminated water can evaporate and infiltrate before reaching the pond. OWEB funds are requested for mobilization (5%), equipment rental (45%), fencing (8%), spring development and watering materials (27%), technical assistance/monitoring/administration (15%). Cost-share partners include the landowner, BOR and NRCS.

Project Ref	Grantee	Project Name	State
OWEB 203-200	OWEB	Monument Fire Ellingson Burned Area Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	10-FEB-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$76,520	Middle Snake-Powder

Project Description

The Monument Fire burned 22,400 acres in July 2002 with 640 acres on private land and the remainder on USFS. Of the 640 acres burned on private, 80% burned at high intensity and 20% moderate intensity. The project will involve re-seeding, contour falling, micro-site planting and stream corridor restoration on the high intensity portion. OWEB funds are requested for fallers-200 acres (26%), planting labor (38%), seedlings/sedges/shrubs (32%), culvert (1%) and administration/personnel (3%). Cost-share partners include ODF, ODFW, NRCS, Forest Incentive program, Forest Land Stewardship Program, Stewardship Incentive Program, National Fire Plan Hazard Mitigation and Burnt River SWCD and the landowners.

Project Ref	Grantee	Project Name	State
OWEB 203-202	OWEB	Morse Road Rehabilitation Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	02-SEP-03-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$31,596	Lower Snake

Project Description

This project will reduce sediment inputs into Squaw Creek and unnamed tributaries of the Grande Ronde river, improving water quality, and fish rearing/spawning habitat for fall and spring chinook and summer steelhead (ESA-listed species). Proposed elements include: 1,115' of road realignment/reconstruction; 1,415' of road rocking; install 3 culverts and rock 1 ford. OWEB funds are requested for equipment rental (dozer and grader) and rock-pit development (60%), pit-run and crushed rock (16%); geotextile fabric (16%) culverts (6%), and administration (2%). Cost-share partners include the landowner, and ODF.

Project Ref	Grantee	Project Name	State
OWEB 203-203	OWEB	Mountain Cr Diversion Replacements	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	08-MAY-03-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$22,330	John Day

Project Description

The project seeks funding to replace 2 diversion structures with 1 fish friendly alternative in Mountain Creek, a tributary of the upper mainstem John Day River. It is proposed to consolidate the downstream ditch into the upstream ditch. Watershed benefits include improved water quality and fish passage for ESA-listed summer steelhead and improving water control and delivery monitoring. OWEB funds are requested for contracted services (18%), supplies/materials (64%), water right changes (9%) and administration (9%). Cost-share partners include OWRD and the landowner.

Project Ref	Grantee	Project Name	State
OWEB 203-204	OWEB	Mud Lake Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	23-MAY-03-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$184,330	Oregon Closed Basins

Project Description

The project will construct a carp barrier adjacent to Hwy 205 at The Narrows, south of Burns. The barrier will prevent carp from entering Mud Lake, a 9,400 acres marsh west of Hwy 205, dramatically improving water quality and habitat for native wildlife. The structure is also part of a larger comprehensive effort to control carp populations throughout the Malheur Lake basin. OWEB funds are requested for engineering (8%), technician/project coordinator (10%), mobilization (3%), compacted fill (8%), pre-cast box culverts (37%), trash racks/fish barriers (32%), and administration (2%). Cost-share partners include Harney SWCD, USFWS and DU.

Project Ref	Grantee	Project Name	State
OWEB 203-205	OWEB	Perry Riparian & Grazing Management	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	08-APR-03-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$16,385	Lower Snake

Project Description

New owners propose to ameliorate past poor management on 282 acres of range/timberland. Currently, there are no cross fences or developed water to better manage livestock and prevent over utilization of the riparian area on Robbs Hill Creek. Project elements include developing 2 springs, drilling a well for livestock water, fencing a 2.5 acre wetland, creating a riparian pasture and installing cross-fencing. OWEB funds are requested for well drilling and hookup (24%), spring excavation/materials (47%), fencing materials (19%) and administration (10%). Cost-share partners include the landowners.

Project Ref	Grantee	Project Name	State
OWEB 203-206	OWEB	Pine Cr Clarno Rd Fish Passage Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	23-APR-03-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$25,135	John Day

Project Description

The project seeks funding to restore fish passage at a crossing on Clarno Road. A previous OWEB grant funded the engineering design for restoring fish passage at 3 locations on Pine Creek, of which one site has already been completed. A 40'-long, 12'-wide bottomless-arch CMP is proposed to be installed. OWEB funds are requested for construction (53%), engineering (14%), CMP (22%) and administration (9%). Other cost-share partners include CTWS, USFWS, Wheeler County Road Department and Wheeler SWCD.

Project Ref	Grantee	Project Name	State
OWEB 203-207	OWEB	Powder Riparian Enhancement & Livestock Dispersal	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	16-MAY-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$26,255	Middle Snake-Powder

Project Description

This project seeks cost-share funding to install 2.25 miles of riparian fencing, develop 3 water sources and install troughs. A solar pump will be installed at a well at an abandoned homestead to pump water to a trough; the other 2 sites are perennial springs. Watershed benefits include decreased sediment and nutrient loading into the Powder River, improved shading, reduced upland erosion and better noxious weed control. OWEB funds are requested for solar pump and installation (19%), fencing (54%), troughs/spring box (10%), excavation (7%) and administration (10%). Cost-share partners include the landowner.

Project Ref	Grantee	Project Name	State
OWEB 203-209	OWEB	Service Cr Stock Watering Systems	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	09-MAY-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$26,420	John Day

Project Description

The applicant is seeking funds to cost-share the construction of .5 mile of fencing to protect a spring; pipe and install 2 spring-fed stock troughs and install another trough to be fed from a pump site off Service Creek, a tributary to the John Day River. Anticipated watershed benefits include improved riparian vegetation, increased streamflows throughout some reaches and improved water quality resulting from reduced sediment load to Service Creek. OWEB funds are requested for engineering (4%), equipment rental (7%), materials/supplies (69%), pump construction (9%) and administration/monitoring (11%). Cost-share partners include NRCS and two landowners.

Project Ref	Grantee	Project Name	State
OWEB 203-210	OWEB	Silvies River Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	22-MAY-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$289,899	Oregon Closed Basins

Project Description

The project will restore 5 miles of the West Fork of the Silvies River, which was ditched, diked and straightened, back to a naturally functioning river and floodplain. The entire project includes approximately 2,250 acres of restored wetlands, riparian habitat and upland buffer. The project also includes a carp-control function that will enhance the entire watershed. OWEB funds are requested for river channel excavation & berm removal (69%), project coordinator (3%), mobilization (2%), engineering (3%), ditch filling/swale excavation (19%) and administration/monitoring (4%). Cost-share partners include NRCS, USFWS, DU and Harney SWCD.

Project Ref	Grantee	Project Name	State
OWEB 203-211	OWEB	Teeter Streambank Stabilization	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	23-MAY-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$79,670	Lower Snake

Project Description

The project seeks to correct bank failure on the Grande Ronde River by using a combination of willow trench with a vegetated mat and a rock toe. The project is approximately 650' downstream from the confluence of the State Ditch and Catherine Creek where the outside river back is eroding and threatening an unimproved road that provides the only access to a back field on the Teeter Ranch. The area adjacent to the river will be enrolled in CREP with livestock exclusion.

Project Ref	Grantee	Project Name	State
OWEB 203-212	OWEB	Umatilla Walla Walla Basin Sustainable Agricultural	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	06-FEB-03-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$93,900	Middle Columbia

Project Description

The Umatilla and Walla Walla basin have experienced exponential growth of direct seeding since the beginning of the program in 1997. The SWCD intends to meet continuing requests of landowners to provide a first step into the direct seeding system by offering a $10/acre incentive for equipment rental. OWEB funds are requested for program manager (9%), rental incentive (80%), fall tour (1%) and administration (9%). Cost-share partners include Umatilla SWCD, EPA, OSU and the landowners.

Project Ref	Grantee	Project Name	State
OWEB 203-213	OWEB	Willow Cr Water Measuring Device Installations	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	04-FEB-03-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$15,000	Middle Columbia

Project Description

The proposal seeks funding to install 37 water-measuring devices in irrigation ditches within the Willow Creek basin, most to be placed in Rhea Creek. It is proposed to install 25- 3.5 cfs, 10 -7 cfs and 2-10 cfs units. Improved water management will result. OWEB funds are requested for ramp flumes (91%) and administration (9%). Cost-share partners include OWEB and the landowners.

Project Ref	Grantee	Project Name	State
OWEB 203-268	OWEB	Emergency Drought-Water Right Acquisition	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Habitat Protection and Restoration	$0	$17,000	Southern Oregon Coastal

Project Description

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Project Ref	Grantee	Project Name	State
OWEB 203-903	OWEB	(09-02 OWEB Funds)-Burned Land Emergency Re-seeding	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Habitat Protection and Restoration	$0	$162,365	Willamette

Project Description

Summer 2002 burned lands emergency re-seeding

Project Ref	Grantee	Project Name	State
OWEB 204-381	OWEB	Clackamas Co - Salmon River/Wee Burn Restoration Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Habitat Protection and Restoration	$44,691	$0	Oregon

Project Description

This project is a resubmitted proposal for reestablishing natural floodplain and side-channel habitat to improve fish rearing and passage. Project benefits include increased access to spawning and off-channel rearing habitat for threatened Chinook/Coho salmon and winter steelhead, the protection of a streambank and sanitary sewer line from flood damage and erosion and the creation of new conservation education facilities and programs to inform the Resort's visitors about aquatic restoration efforts and watershed ecology. OWEB funds would be used for contracted services, personnel, supplies/materials, administration, and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 201-079	OWEB	Hodges Riparian Restoration Project/ Big Elk	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	31-JUL-01-05-JUN-02	Salmon Habitat Protection and Restoration	$0	$14,840	Northern Oregon Coastal

Project Description

This project impacts approximately .5 miles of riparian corridor on both sides of the mainstem Big Elk. The project consists primarily of fencing setbacks to exclude livestock and planting to restore vegetative stability and rootmat complexity to a zone of extensive erosion and bank failure. This project directly addresses the DEQ's limiting factors for the mainstem Big Elk (temperature, sedimentation.)

Project Ref	Grantee	Project Name	State
OWEB 201-082	OWEB	Buck Creek Instream Habitat Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	31-JUL-01-13-MAY-03	Salmon Habitat Protection and Restoration	$0	$29,850	Northern Oregon Coastal

Project Description

This project is an extension of the Crab-Green helicopter project funded in June 2000. The project will utilize a heavy lift helicopter to place whole trees in the mainstem of Buck Cr. A total of eight structures would be placed in 1 mile of stream. The US Forest Service would provide all trees necessary for completion of the project, the Oregon Dept. of Fish and Wildlife would plan and implement the project and the Mid Coast Watersheds Council would provide for the fiscal and informational aspects of the project.

Project Ref	Grantee	Project Name	State
OWEB 201-083	OWEB	Wildcat Cooperative Restoration/Big Elk	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	31-JUL-01-20-OCT-03	Salmon Habitat Protection and Restoration	$0	$9,956	Northern Oregon Coastal

Project Description

This project intends to improve both summer and winter rearing habitats for juvenile salmonids in a high priority spawning tributary of the Big Elk. The project involves multiple landowners and interfaces extensively with the Royal Rangers youth group to accomplish restoration tasks. There will be tremendous educational benefit associated with this cooperative restoration project.

Project Ref	Grantee	Project Name	State
OWEB 201-084	OWEB	Deer Cr. Restoration Project/Little Elk/Yaquina	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	31-JUL-01-14-NOV-03	Salmon Habitat Protection and Restoration	$0	$40,852	Northern Oregon Coastal

Project Description

The project addresses fish passage issues that definitively limit salmonid production (culvert replacement) and also improves riparian function by excluding livestock (fencing). In addition, instream wood complexity is enhanced (log structures) and sediment loading is reduced (bio-engineered bank stabilization).

Project Ref	Grantee	Project Name	State
OWEB 201-086	OWEB	Lower Wolf Crk Riparian Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	31-JUL-01-05-JUN-02	Salmon Habitat Protection and Restoration	$0	$10,382	Northern Oregon Coastal

Project Description

This project supplements extensive restoration activity planned in upper Wolf Cr. By improving the riparian condition of the lowest agricultural property in the subbasin. Both banks will be planted with mixed conifers and livestock excluded from this 100 ft. wide setback from the active channel. Aquatic habitats will be enhanced by developing winter habitat types with full spanning wood structures.

Project Ref	Grantee	Project Name	State
OWEB 201-088	OWEB	Wright Creek Culvert Replacement Project: Phase Two	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	31-JUL-01-01-MAY-03	Salmon Habitat Protection and Restoration	$0	$33,616	Northern Oregon Coastal

Project Description

This proposal is a continuation of a project (OWEB #99-286) begun in 1999. It continues the removal and replacement of undersized or barriers for both juvenile and adult salmonids. Under this proposal, two culverts on the mainstem of Wright Creek will be removed and replaced with flat car bridges. These replacements will improve spawning and other migration to a watershed of 2,800 acres that contains more than two miles of habitat. This improvement will help Coho, Chinook, Chum, Steelhead and Cutthroat.

Project Ref	Grantee	Project Name	State
OWEB 201-089	OWEB	Feagles Cr.	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	31-JUL-01-26-JAN-03	Salmon Habitat Protection and Restoration	$0	$37,552	Northern Oregon Coastal

Project Description

The project proposes to construct eight large wood debris jams on .8 miles of Feagles Creek to retain gravel and improve stream habitats for native salmonids. The applicant would also remove a 9' x 15' culvert and place a rail car bridge to provide unimpeded passage for adult and juvenile salmonids. The current culvert currently has a 6' drop. Approximately 3 miles of improved adult passage and 3 miles of new juvenile passage will be gained as a result of this project.

Project Ref	Grantee	Project Name	State
OWEB 201-093	OWEB	Siuslaw River/Sandy Cr.	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-JUL-01-01-FEB-02	Salmon Habitat Protection and Restoration	$0	$9,371	Northern Oregon Coastal

Project Description

The project entails constructing 13 large wood debris jams in the Upper Siuslaw River. Project sites are selected based on location of where woody debris would naturally accumulate. No anchoring of material would be needed; rather stability of the structure would come from the size of material used. One fish barrier culvert will be removed on Sandy Cr., tributary to Siuslaw R. Cooperators on this project include Weyerhaeuser Corp., Siuslaw Watershed Council, Siuslaw SWCD and the Oregon Dept. of Fish and Wildlife.

Project Ref	Grantee	Project Name	State
OWEB 201-098	OWEB	Nehalem Watershed - Big Creek Salmonid Habitat Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	18-JUL-01-13-FEB-02	Salmon Habitat Protection and Restoration	$0	$642	Northern Oregon Coastal

Project Description

This project will place combinations of 4-5 whole trees in Big Creek, a major tributary to Humbug Creek, which in turn is a major tributary of the Upper Nehalem River. The goal is to increase the diversity and complexity of summer and winter stream habitat. Trees will be wedged between riparian trees or placed so that a portion of the trunk extends onto the flood plain for added stabilization. Root wads will be left attached to some of the trees while branches, which will help stabilize the trees once they are placed in the stream as well as aid in the collection and retention of smaller debris, will be left on all of the trees. Wood will be placed in groups of at least four key pieces with additional smaller logs, and other wood added to create diverse and complex assemblages. Sites have been selected based on stream gradient and width as well as channel and valley morphology, riparian trees, and proximity to known spawning populations of salmonids.

Project Ref	Grantee	Project Name	State
OWEB 201-101	OWEB	Roy Creek - Fish Passage Improvement, Essen. Salmon Hab. Rec	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-JUL-01-24-APR-03	Salmon Habitat Protection and Restoration	$0	$14,300	Northern Oregon Coastal

Project Description

The LNWC seeks $14,300 to hire an engineer consultant to design a new fish passage structure at the Tillimook County road, Port of Tillamook. This proposal is Phase I of a two phase project. The Roy Creek culvert currently acts as a barrier to native salmonid habitat upstream, suitable for spawning rearing the seasonal refuge. Fish passage improvement at this site is a high priority of ODFW.

Project Ref	Grantee	Project Name	State
OWEB 201-102	OWEB	Feagles Cr. Riparian Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	31-JUL-01-14-NOV-03	Salmon Habitat Protection and Restoration	$0	$42,145	Northern Oregon Coastal

Project Description

The project establishes cattle exclusion fencing on both sides of approximately 2.2 miles of stream frontage on Grant and Feagles Creek and the mainstem Big Elk. In addition, some limited riparian plantings will be located and caged near pool habitats with the highest potential for providing overhead aquatic cover and pool complexity for juvenile salmonids. Two off-channel watering facilities will be constructed to remove cattle from the active channels of each of these streams.

Project Ref	Grantee	Project Name	State
OWEB 201-103	OWEB	Big Elk Riparian Fencing	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	31-JUL-01-01-MAY-02	Salmon Habitat Protection and Restoration	$0	$2,578	Northern Oregon Coastal

Project Description

The project establishes an 800 ft long, 90 ft wide livestock exclusion area along the mainstem Big Elk in an area classified by biologists as significant for restoration. Within this area, mixed conifer plantings will provide for the long term recovery of the riparian canopy. The project exists within a zone of open range cattle grazing where extensive damage to riparian corridors is common.

Project Ref	Grantee	Project Name	State
OWEB 201-104	OWEB	Bummer Cr. Salmon Habitat Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	08-AUG-01-21-JAN-03	Salmon Habitat Protection and Restoration	$0	$6,149	Northern Oregon Coastal

Project Description

Eight large woody debris structures will be placed in Bummer Creek to add structure and complexity to the stream channel which will improve habitat conditions for native salmonids (coho, cutthroat and steelhead). Woody debris will be configured to simulate natural debris jams and designed to slow water velocities, scour pools, capture sediments and additional debris, improve stream/floodplain interactions, and create overwinter habitat beneficial to salmonids.

Project Ref	Grantee	Project Name	State
OWEB 201-106	OWEB	Siuslaw Restoration Materials Acquisition Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-JUL-01-31-OCT-03	Salmon Habitat Protection and Restoration	$0	$14,960	Northern Oregon Coastal

Project Description

Siuslaw Watershed Council proposes a two-year project to collect and store large quantities of donated and low cost materials used for habitat structure assembly and construction. Materials are collected from landowners, utilities, county, and agency donors then transported and stored at a minimum of five strategically situated sites. Storage areas are located near potential habitat restoration sites as determined by source proximity and in consideration of SWC priorities from project assessments and actions plans.

Project Ref	Grantee	Project Name	State
OWEB 201-126	OWEB	Dumont Watershed Restoration - Phase 3	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	27-JUN-01-11-FEB-03	Salmon Habitat Protection and Restoration	$0	$96,750	Southern Oregon Coastal

Project Description

This project will restore an outstanding aquatic habitat located in Dumont Creek by reintroducing large woody debris in a manner that imitates natural wood recruitment. Large wood placement in Dumont Creek will help restore habitat for coho, Chinook, steelhead and cutthroat. The UBWC Technical Advisory Committee has identified Dumont as the highest priority area for restoration in the South Umpqua Watershed.

Project Ref	Grantee	Project Name	State
OWEB 201-129	OWEB	Fate Creek Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	27-JUN-01-07-JAN-02	Salmon Habitat Protection and Restoration	$0	$6,780	Southern Oregon Coastal

Project Description

This project will: 1) modify an irrigation dam structure to permit fish passage outside the irrigation season; 2) construct a livestock crossing (truck bed) to reduce stream erosion; and 3) install gravity stock water system. These three activities supplement numerous other projects implemented by the landowner. Implementation of #1 will open 2.5 miles of available habitat to coastal coho, winter steelhead and cutthroat trout.

Project Ref	Grantee	Project Name	State
OWEB 201-130	OWEB	Middle Cow Creek Sub-basin Fish Passage Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	27-JUN-01-28-NOV-01	Salmon Habitat Protection and Restoration	$0	$10,410	Southern Oregon Coastal

Project Description

A total of three culverts will be replaced within the Middle Cow Creek sub-basin. This will open up about 2-2/3 miles of fish habitat that is currently not accessible.

Project Ref	Grantee	Project Name	State
OWEB 201-131	OWEB	Starveout Creek Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	27-JUN-01-28-NOV-01	Salmon Habitat Protection and Restoration	$0	$4,508	Southern Oregon Coastal

Project Description

A total of 57 large logs will be placed at 15 sites along a 2/3 mile section of Starveout Creek. This will increase complexity in the stream, increase in-stream cover for fish, slow water velocity and accumulate additional spawning gravel for coho salmon, winter steelhead and cutthroat trout.

Project Ref	Grantee	Project Name	State
OWEB 201-132	OWEB	Norton Creek Fish Passage Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	27-JUN-01-05-FEB-02	Salmon Habitat Protection and Restoration	$0	$20,475	Southern Oregon Coastal

Project Description

A total of three culverts will be replaced within the Norton Creek drainage. This will improve access to 2.2 miles of habitat for cutthroat trout, coho salmon and winter steelhead.

Project Ref	Grantee	Project Name	State
OWEB 201-133	OWEB	Sylman Valley Creek Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	27-JUN-01-20-JAN-03	Salmon Habitat Protection and Restoration	$0	$19,782	Southern Oregon Coastal

Project Description

On Sylman Valley Creek, west of Roseburg, construct 10,070 feet of riparian fencing; install one hardened rock crossing and two truck trailer bridge crossings; install a stock water system at 4 sites; and plant 600 seedlings in the riparian area.

Project Ref	Grantee	Project Name	State
OWEB 201-135	OWEB	Coquille Watershed Assoc. Riparian Restoration 2001	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	06-AUG-01-30-JAN-03	Salmon Habitat Protection and Restoration	$0	$100,000	Southern Oregon Coastal

Project Description

This project will construct approximately 8 miles of riparian livestock exclusion fencing on various sites (seven different landowners) throughout the Coquille River watershed. Most sites will be planted with a mixture of native trees and shrubs, appropriate to the site. This project also includes maintenance work on past riparian projects completed by the Coquille Watershed Association.

Project Ref	Grantee	Project Name	State
OWEB 201-141	OWEB	Illinois Valley Riparian Tree Planting Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-SEP-01-12-JUN-03	Salmon Habitat Protection and Restoration	$0	$51,552	Southern Oregon Coastal

Project Description

The project, now in its 9th year, plants native species along riparian areas and associated uplands on private properties in the Illinois Valley. New aspects of the program are: 1)planting to prevent the spread of noxious weed seeds; 2) development of all party monitoring; and 3) a booklet for landowners on care and use of species used in project. Education, outreach, partnering, volunteerism and community building are embedded in the project. The grant is for the 2002-2003 biennium.

Project Ref	Grantee	Project Name	State
OWEB 201-174	OWEB	Indian Creek Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	03-AUG-01-31-DEC-02	Salmon Habitat Protection and Restoration	$0	$65,650	Willamette

Project Description

Indian Creek Enhancement Project

Project Ref	Grantee	Project Name	State
OWEB 201-180	OWEB	Smith and Bybee Lakes Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-DEC-01-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$180,000	Willamette

Project Description

This proposal involves the restoration of Smith and Bybee Lakes. Historically, this interconnected wetland system functioned as a seasonal marsh in the Columbia River floodplain near the mouth of the Willamette River. The construction of a fixed outlet in the early 1980's transformed this marsh into a permanent lake, resulting in the loss of productive wetland habitat. With this proposal, the historic hydrology and marsh habitats will be restored, providing benefits to salmon, water quality and other wildlife.

Project Ref	Grantee	Project Name	State
OWEB 201-181	OWEB	Johnson Lake Revegetation Projects	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	09-JUL-01-26-AUG-02	Salmon Habitat Protection and Restoration	$0	$60,927	Willamette

Project Description

By planting native species and managing invasive species, WRP will restore wetland forest on the 13.2 acre Johnson Lake site, including .4 mile of lake shore and .7 mile of slough channel bank. The 8.5 acre Hayden Meadows project will replace Himalayan blackberry with native riparian vegetation, including .45 mile of slough channel bank, and addresses erosion and sediment control along the slough channel.

Project Ref	Grantee	Project Name	State
OWEB 201-182	OWEB	Richardson Creek restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-AUG-01-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$111,910	Willamette

Project Description

The proposed project is to restore Richardson Creek to a natural channel and restore adjacent habitat that was filled during construction of the reservoir. The modifications will restore the channel substrate and facilitate restoration of riparian, emergent and submerged vegetation along the drainage.

Project Ref	Grantee	Project Name	State
OWEB 201-183	OWEB	Pearmine Restoration & Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-NOV-01-31-MAY-04	Salmon Habitat Protection and Restoration	$0	$76,300	Willamette

Project Description

This project will include reconnection of a meander channel, restoration of seasonal and semi-permanent wetlands and revegetation of riparian forest buffer on 88 acres of private land along the Willamette River. The completed project will improve water quality in Patterson Creek and the Willamette River and provide important off-channel habitat for native salmonids and wetland habitat for a host of wildlife species.

Project Ref	Grantee	Project Name	State
OWEB 201-210	OWEB	Odell Creek Horsekeeping Demonstration Farm	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	13-JUL-01-30-DEC-03	Salmon Habitat Protection and Restoration	$0	$44,385	Deschutes

Project Description

Improvements will be made to a small horse boarding facility and riding area to eliminate livestock waste runoff in Odell Creek. Gutters, downspouts, a covered manure storage area, drainage, and new footings will be installed. High nutrient and bacteria levels are reported in Odell Creek and lower Hood River. The project is intended as a "demonstration farm" where horse owners can learn about manure management and best management practices to protect streams, benefit animal health and improve owner convenience.

Project Ref	Grantee	Project Name	State
OWEB 201-214	OWEB	Deschutes Corridor Weed Free Zone	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	17-AUG-01-05-MAR-02	Salmon Habitat Protection and Restoration	$0	$32,000	Deschutes

Project Description

A coordinated weed control and restoration project within the Deschutes River corridor. The Deschutes SWCD with its private and public partners will establish a "Weed Free Zone" within the heavily traveled and scenic areas in the Deschutes River Corridor reaching five miles north, five miles south and through the City of Bend. The project will identify and prioritize weed sites, control the weeds, restore the area, monitor and repeat where needed.

Project Ref	Grantee	Project Name	State
OWEB 201-217	OWEB	Zumwalt Prairie Land Acquisition	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	--26-FEB-03	Salmon Habitat Protection and Restoration	$0	$2,500,000	Lower Snake

Project Description

The Nature Conservancy is seeking $4,000,000 for the purchase of the 26,920 acre Camp Creek Ranch located on Zumwalt Prairie in the Imnaha watershed, Wallowa County, Oregon. The property includes approximately 11,000 acres of high quality palouse prairie and 90% of the Camp and Trail Creek watersheds encompassing 38 stream-miles. Acquisition will protect the current condition and provide the opportunity to implement a watershed-scale restoration and management program to benefit the federally listed, endangered Snake River Basin steelhead and Snake River spring/summer Chinook as well as bull trout, red band trout, ferruginous and Swainson's hawks, Colombian sharp-tailed grouse, Spalding's Campion and 20 additional at-risk species.

Project Ref	Grantee	Project Name	State
OWEB 201-217A	OWEB	Zumwalt Prairie Land Acquisition (Addendum)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	--26-FEB-03	Salmon Habitat Protection and Restoration	$0	$500,000	Lower Snake

Project Description

Addendum to 201-217

Project Ref	Grantee	Project Name	State
OWEB 201-228	OWEB	Marr Creek Sediment Reduction Spring dev./Protectio	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-SEP-01-19-FEB-03	Salmon Habitat Protection and Restoration	$0	$24,120	Lower Snake

Project Description

*Reduce sediment inputs into Marr Creek (an ESA-listed Steelhead stream) which flows into the Imnaha River. Thus improving water quality and steelhead spawning habitat. Construct .5 miles of road in order to abandon .5 miles of draw bottom road. *1.25 miles of rocking and dip installation to improve drainage and reduce surface erosion; Protect and develop a spring as an off-site water source. *Replace culvert with ford; Implement recommendations proposed in the Wallowa County/NPT Salmon Recovery Plan.

Project Ref	Grantee	Project Name	State
OWEB 201-229	OWEB	Deer Creek Sediment Reduction and Road Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-SEP-01-31-MAY-04	Salmon Habitat Protection and Restoration	$0	$29,430	Lower Snake

Project Description

*Reduce sediment inputs into Deer Creek which flows into the Grand Ronde River. Thus improving water quality and steelhead spawning habitat. *Rock 2.7 miles of road (some spot rocking), with 8 rocked dips to improve drainage and reduce surface erosion. *Rock 2 ford crossings. *Replace 1 rocked ford with a culvert. *Implement recommendations proposed in the Wallowa County/NPT Salmon Recovery Plan.

Project Ref	Grantee	Project Name	State
OWEB 201-230	OWEB	Whiskey Creek Sediment Reduction & Road Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-SEP-01-13-AUG-03	Salmon Habitat Protection and Restoration	$0	$68,983	Lower Snake

Project Description

*Reduce sediment inputs into Whiskey Creek (an ESA-listed Steelhead stream) which flows into the Wallowa River thus improving water quality and steelhead spawning habitat. *Rock 3.8 miles of road (some spot rocking), with 26 rocked dips to improve drainage and reduce surface erosion. *Replace old ford crossing with a 25" culvert crossing. *Replace 5 more undersized culverts on Whiskey Creek (36" to 78" culverts). * Implement recommendations proposed in the Wallowa County/NPT Salmon Recovery Plan.

Project Ref	Grantee	Project Name	State
OWEB 201-231	OWEB	Andre/State Lands Range Improvement project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	09-AUG-01-04-OCT-02	Salmon Habitat Protection and Restoration	$0	$169,468	Oregon Closed Basins

Project Description

This project will bring a reliable source of water for upland birds, wildlife, and livestock to approximately 45,000 acres on both private and state owned land that currently has only 6 seasonal ponds. This project will also subdivide a 24,000 acre pasture into two smaller pastures to change livestock utilization patterns, allow for a more flexible grazing system that will provide some full season rest, and provide water to the two pastures as well as three adjacent pastures.

Project Ref	Grantee	Project Name	State
OWEB 201-235	OWEB	Camas Creek Watershed/Riparian Protection Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	24-JUL-01-30-JUN-03	Salmon Habitat Protection and Restoration	$0	$10,280	John Day

Project Description

The Camas Creek Project consists of fencing the area around two springs and installing spring boxes. In providing a controlled watering area for the cattle, degradation of the riparian zone and streambanks can be greatly minimized. A riparian zone shall be made by constructing 2 miles of riparian fencing along Camas Creek. To help facilitate the riparian recovery, vegetation will be planted in the recovery zone. All work will be in compliance with NRCS Codes for this type of work.

Project Ref	Grantee	Project Name	State
OWEB 201-237	OWEB	Willow Creek Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	08-JAN-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$184,600	Middle Snake-Boise

Project Description

This project consists of addressing water quality issues resulting from storm events and snow-melt runoff for five feedlot operators in the North Willow Creek Basin near Brogan, Oregon. Irrigation lateral ditches below feedlots will have pipe installed and covered, collection ponds will be build, and a wildlife reservoir will be constructed to capture watershed runoff above a feedlot.

Project Ref	Grantee	Project Name	State
OWEB 201-238	OWEB	Big sheep Creek Riparian Fence	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-SEP-01-16-JUN-03	Salmon Habitat Protection and Restoration	$0	$30,875	Lower Snake

Project Description

Big Sheep Creek is a spawning ground for Chinook and steelhead and a migratory corridor for bull trout. This project consists of approximately 4.7 miles of fence along the Northwest side of Big Sheep Creek on one or both sides. This project will fence off the gap that is in the middle.

Project Ref	Grantee	Project Name	State
OWEB 201-242	OWEB	Wolf Creek Riparian Enhancement and Irrigation Consol.	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	07-NOV-01-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$76,750	Middle Snake-Powder

Project Description

This proposal represents Phase I of a multi-phase project on a two mile section of Wolf Creek that includes riparian fencing, riparian plantings, installing a fish screen, building two ponds and a wetland area, and replacing open ditches with mainline pipe.

Project Ref	Grantee	Project Name	State
OWEB 201-249	OWEB	Urizar Juniper Removal Project II	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	10-AUG-01-13-JUN-03	Salmon Habitat Protection and Restoration	$0	$28,550	Oregon Closed Basins

Project Description

The first phase of the project (99-396) was just completed. The second phase will cover a slightly larger, adjoining topography. The goals of restoring the area to a more diverse habitat of native plant vegetation, and ultimately improving the condition of the watershed, remain. Removing 90% of the juniper has been shown to increase native grasses, bitterbrush, mahogany and pine by increasing soil moisture. This project site is critical mule deer and elk winter habitat.

Project Ref	Grantee	Project Name	State
OWEB 201-250	OWEB	Flag Prairie Riparian Pasture Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	23-AUG-01-16-OCT-03	Salmon Habitat Protection and Restoration	$0	$44,801	Middle Snake-Boise

Project Description

Fences will be constructed to divide these allotments into more manageable pastures, providing added protection for the riparian areas and control of livestock on public roads. These improvements will reduce impact on riparian areas during dry season grazing, and to improve bank stabilization and water quality. The additional water sources will provide a reliable water source for upland birds, wildlife, and livestock.

Project Ref	Grantee	Project Name	State
OWEB 201-251	OWEB	Huffman Ditch Piping - Walla Walla River Water Conservation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-JUL-01-28-FEB-03	Salmon Habitat Protection and Restoration	$0	$72,664	Middle Columbia

Project Description

This project seeks cost share funding for piping 1 mile of an irrigation ditch that serves over 10 users and 537 acres but loses up to 3.5 cfs through leakage and evaporation. All activities will require saved water going back in stream through the Oregon Conserved Water Program. A gain of 2 cfs is anticipated and will help restore summer flows for two and one half miles of habitat used by ESA listed steelhead and bull trout.

Project Ref	Grantee	Project Name	State
OWEB 201-253	OWEB	Muleshoe Creek Juniper Control/Range Seeding	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-JUL-01-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$11,193	John Day

Project Description

This project will remove invasive juniper on a property along Muleshoe Creek in Wheeler County. The junipers will be cut and limbed with a chainsaw by a contractor. The controlled area will be reseeded to native perennial bunchgrass by the landowner who will also scatter limbs from the fallen juniper.

Project Ref	Grantee	Project Name	State
OWEB 201-254	OWEB	Pine Creek Steelhead habitat improvement design and cost	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	03-JUL-01-09-APR-03	Salmon Habitat Protection and Restoration	$0	$8,756	John Day

Project Description

Three culverts on Pine Creek, a tributary of the John Day River, have been identified by the Oregon Department of Fish and Wildlife as impediments to fish passage. This project will develop a design and cost analysis for replacement of the three culverts. The lower culvert exists under a county road and is owned by Wheeler County. The upper two culverts occur on Pine Creek Ranch which was recently purchased by the Confederated Tribes of Warm Springs.

Project Ref	Grantee	Project Name	State
OWEB 201-257	OWEB	Malheur River Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	30-JUL-01-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$16,029	Middle Snake-Boise

Project Description

Aerial photos taken in July of 1978 and in July of 1994 show how the Malheur River has eroded the landowner's field. Combining streambank stabilization with livestock exclusion will improve water quality. Providing offstream watering facilities for cattle, along with an improved grazing management plan, will decrease streamside impacts, improve water quality, streambank stability and enhance wildlife habitat along this stretch of the Malheur River.

Project Ref	Grantee	Project Name	State
OWEB 201-281	OWEB	Hockema Stream Restoration Beaver Creek	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	24-JUN-02-12-APR-03	Salmon Habitat Protection and Restoration	$0	$17,684	Northern Oregon Coastal

Project Description

This project will improve juvenile and adult fish passage on Beaver Creek, a small tributary low in the Yaquina River system, by replacing two culverts that are currently barring fish passage.

Project Ref	Grantee	Project Name	State
OWEB 201-282	OWEB	Humphrey Crk Instream Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	24-JUN-02-10-FEB-03	Salmon Habitat Protection and Restoration	$0	$5,995	Northern Oregon Coastal

Project Description

This project proposes to inject large wood complexes into key reaches of the Humphrey Creek. The morphology of the stream, a tributary of the Yaquina River, is currently simplified and lacks structure complexity.

Project Ref	Grantee	Project Name	State
OWEB 201-284	OWEB	Yaquina Riparian Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	07-NOV-01-30-DEC-03	Salmon Habitat Protection and Restoration	$0	$19,585	Northern Oregon Coastal

Project Description

This project proposes to fence nearly 4,000 feet of Yaquina River, remove the blackberries and reed canary grass in the riparian area and plant 100 conifers, which will be protected with enclosures.

Project Ref	Grantee	Project Name	State
OWEB 201-285	OWEB	Riparian Seedling Release	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	31-OCT-01-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$19,545	Northern Oregon Coastal

Project Description

This project will employ a county prison work crew to clear brush around previously planted riparian seedlings on private property located in several different watersheds in the Mid-Coast region.

Project Ref	Grantee	Project Name	State
OWEB 201-287	OWEB	Esturine Habitat Restoration/Reconnection of Clatskanie R	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-JAN-02-14-OCT-03	Salmon Habitat Protection and Restoration	$0	$11,622	Lower Columbia

Project Description

This project would breach a 110-foot long dike on the Clatskanie River that currently joins Anunde Island with the mainland, thus restoring the free flow of water through the historic side channel, and stabilize and re-vegetate the newly exposed surfaces.

Project Ref	Grantee	Project Name	State
OWEB 201-288	OWEB	NNWC Streamside Planting Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	31-OCT-01-30-JAN-03	Salmon Habitat Protection and Restoration	$0	$20,850	Northern Oregon Coastal

Project Description

This project will prepare and plant approximately 2.5 miles of riparian area along Three Rivers and the Nestucca River near the town of Hebo. Planting sites will be prepared and over 7,000 trees and shrubs will be planted.

Project Ref	Grantee	Project Name	State
OWEB 201-293	OWEB	Clatsop County Riparian Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	08-NOV-01-14-APR-03	Salmon Habitat Protection and Restoration	$0	$33,919	Northern Oregon Coastal

Project Description

This project proposes to carry out a large-scale riparian planting project in five different watersheds in the North Coast region. The project would use trained staff to design and manage the project and train a large number of volunteers (primarily youth groups) to do the planting.

Project Ref	Grantee	Project Name	State
OWEB 201-307	OWEB	Pacifica's Irrigation Diversion Modification/ Fish Passage	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	21-OCT-01-18-MAR-03	Salmon Habitat Protection and Restoration	$0	$27,900	Willamette

Project Description

This project will remove an antiquated irrigation diversion dam in Powell Creek and replace it with a fish ladder that allows fish passage and better flow rates at moderate to low stream flows. Stream-bank stabilization will improve water quality and spawning grounds for Chinook salmon in lower Williams Creek.

Project Ref	Grantee	Project Name	State
OWEB 201-307B	OWEB	Engineering for 201-307 Pacifica's Irrigation Diversion	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	21-OCT-01-31-JUL-02	Salmon Habitat Protection and Restoration	$0	$11,000	Southern Oregon Coastal

Project Description

This project is the engineering/design part of grant 201-307.

Project Ref	Grantee	Project Name	State
OWEB 201-309	OWEB	Kerby Ditch Gravel Push-Up Dam Removal Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-NOV-01-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$228,160	Southern Oregon Coastal

Project Description

This project proposes to remove a fish passage barrier created by a gravel push-up dam used to divert water into the Kerby Ditch. The project will also reduce sediment input to the stream, eliminate a leaky irrigation ditch, leave water instream for an additional four miles, and result in approximately 30% water conservation.

Project Ref	Grantee	Project Name	State
OWEB 201-309A	OWEB	Engineering Kerby Ditch Gravel Push-Up Dam Removal Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-NOV-01-30-JUN-03	Salmon Habitat Protection and Restoration	$0	$31,350	Southern Oregon Coastal

Project Description

Same as 201-309. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-312	OWEB	Jack Creek Culvert Replacement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	16-OCT-01-29-NOV-03	Salmon Habitat Protection and Restoration	$0	$7,665	Southern Oregon Coastal

Project Description

This project proposes to remove two undersized, rusted-out culverts and replace them with railroad car bridges. The project would allow unrestricted anadromous fish access to over 3 miles of stream.

Project Ref	Grantee	Project Name	State
OWEB 201-329	OWEB	Scappoose Bay WS/Priority Fish Passage Correction	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-NOV-01-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$388,355	Willamette

Project Description

The applicant proposes to correct 14 high priority fish passage barriers in the watershed identified through the barrier assessment.

Project Ref	Grantee	Project Name	State
OWEB 201-330	OWEB	North Fork Eagle Creek	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-SEP-02-28-AUG-03	Salmon Habitat Protection and Restoration	$0	$27,500	Willamette

Project Description

The applicants propose placing 100 trees, some with rootwads attached, into the stream by helicopter (because of the lack of access to the site). Placement of LWD in these sections would potentially slow down stream velocities and allow for deposition of gravels which in turn create areas for spawning salmonids.

Project Ref	Grantee	Project Name	State
OWEB 201-345	OWEB	Tumalo Water Conservation Project Group	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-NOV-01-06-MAY-02	Salmon Habitat Protection and Restoration	$0	$200,000	Deschutes

Project Description

This project would contribute to the Phase 4 Siphon, a project to remove the existing aerial flume and install an 84-inch pressure rated buried siphon pipe on Tumalo Creek. The project would transfer 20 cfs of senior water rights to instream water rights upon completion of the entire four-phase project.

Project Ref	Grantee	Project Name	State
OWEB 201-346	OWEB	McKay Cr Instream Habitat Improvement/ Channel Stabilization	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-DEC-01-02-SEP-03	Salmon Habitat Protection and Restoration	$0	$4,556	Deschutes

Project Description

ODFW will design stream stabilization improvements with rock and log deflectors, juniper riprap, fencing and plantings to restore .3 miles of redband trout habitat on McKay Creek in the Crooked River basin.

Project Ref	Grantee	Project Name	State
OWEB 201-347	OWEB	Farmers Canal Fish Screen/Bypass Sediment Ctrl and Diversion	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-18-JUN-03	Salmon Habitat Protection and Restoration	$0	$130,000	Middle Columbia

Project Description

The applicant proposes to construct improvements to replace a 40 year old rotary drum fish screen with a high velocity horizontal passive infiltration screen, enhance an old channel to serve as a fish return bypass, modify the diversion to reduce sediment transport into the canal and replace wooden flume at the upper end of the canal.

Project Ref	Grantee	Project Name	State
OWEB 201-348	OWEB	East Chewaucan Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	21-FEB-02-23-APR-03	Salmon Habitat Protection and Restoration	$0	$47,050	Upper Sacramento

Project Description

This project will enhance and restore native riparian and upland vegetation though juniper cutting.

Project Ref	Grantee	Project Name	State
OWEB 201-349	OWEB	Duncan Crk Channel Restoration & Stream Corridor Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-DEC-01-29-JUL-03	Salmon Habitat Protection and Restoration	$0	$6,015	Deschutes

Project Description

This project proposes to reconfigure the irrigation diversion on Duncan Creek to allow fish passage and reduce downcutting and bank instability. Six cross veins will be constructed to stabilize the diversion point.

Project Ref	Grantee	Project Name	State
OWEB 201-350	OWEB	Fryrear Pipeline Conservation Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	13-DEC-01-12-DEC-02	Salmon Habitat Protection and Restoration	$0	$120,983	Deschutes

Project Description

This project proposes to pipe approximately 17,500 feet of Fryrear Ditch and transfer 1.5 cfs to an instream water right.

Project Ref	Grantee	Project Name	State
OWEB 201-352	OWEB	Lower John Day Solar Off Stream Stock Water Demonstrational	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-DEC-01-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$39,913	John Day

Project Description

This project proposes to implement four solar off-channel livestock water developments to provide alternative watering sources for cattle, thereby lessening the impact on riparian areas. These portable solar pumping systems will extract water from nearby streams, a well and a spring.

Project Ref	Grantee	Project Name	State
OWEB 201-353	OWEB	Mid-Trout Creek Push-Up Dam Removal Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	30-OCT-01-01-JUL-02	Salmon Habitat Protection and Restoration	$0	$51,500	Deschutes

Project Description

This project will improve water quality, riparian health and fish passage by replacing seven gravel push-up dams in the middle reach of Trout Creek with five infiltration galleries.

Project Ref	Grantee	Project Name	State
OWEB 201-356	OWEB	Klamath Wildlife Area/Miller Island Wetlands Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	30-OCT-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$170,877	Klamath

Project Description

This project will replace an existing gravity feed intake at the northern end of Unit C of the Miller Island Unit with a 30 horsepower pump. The new delivery pump will allow water to be drawn from the Klamath River, regardless of fluctuations in river level.

Project Ref	Grantee	Project Name	State
OWEB 201-358	OWEB	Mack's Canyon Watershed Restoration Phase 2	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	07-JAN-02-30-DEC-03	Salmon Habitat Protection and Restoration	$0	$12,715	Deschutes

Project Description

This project proposes to implement conservation practices, such as cropland terraces, sediment basins, off-stream watering developments and cross-fencing.

Project Ref	Grantee	Project Name	State
OWEB 201-359	OWEB	Conservation Farm Improvements on 6 ranches in Grass Valley	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	09-JAN-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$32,400	John Day

Project Description

This project would complete various conservation practices on six properties along Grass Valley Creek, a tributary to the John Day River. The practices include: reseeding weed treated areas, construction of sediment basins, riparian and cross fencing, off-channel livestock water development, upland gradient terracing, and construction of a grass waterway.

Project Ref	Grantee	Project Name	State
OWEB 201-360	OWEB	Bakeoven Watershed Project 2002-2003	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	25-OCT-01-17-MAR-03	Salmon Habitat Protection and Restoration	$0	$63,824	Deschutes

Project Description

This project proposes to construct 1.38 miles of fencing to exclude cattle from CRP lands, build sediment control basins, treat 1,000 acres of brush, and repair a stock pond to encourage livestock upland distribution.

Project Ref	Grantee	Project Name	State
OWEB 201-361	OWEB	Wrentham Bioengineering Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	25-OCT-01-21-OCT-03	Salmon Habitat Protection and Restoration	$0	$46,150	Middle Columbia

Project Description

This project proposes to rehabilitate an actively eroding stretch of Fifteenmile Creek using bioengineering, upstream barb and toe rock placement.

Project Ref	Grantee	Project Name	State
OWEB 201-375	OWEB	Union County Direct Seeding	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-OCT-01-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$63,000	Lower Snake

Project Description

This project proposes to direct seed 3,000 acres. Direct seeding is a proven method to reduce soil and wind erosion, thereby increasing water infiltration and carbon sequestration. It will also help to improve air quality through reduced field burning.

Project Ref	Grantee	Project Name	State
OWEB 201-376	OWEB	Wolf Creek Riparian Livestock Exclusion & Watering System	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	09-NOV-01-30-SEP-03	Salmon Habitat Protection and Restoration	$0	$15,250	Middle Snake-Powder

Project Description

This project would fence the water gap on a stretch of Wolf Creek that runs through private property and replace a road crossing with a culvert.

Project Ref	Grantee	Project Name	State
OWEB 201-377	OWEB	Grande Ronde Tributary Exclusion and Pond Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	21-OCT-02-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$4,925	Lower Snake

Project Description

This project proposes to exclude livestock from two small streams through off-channel livestock water development and fencing. Currently, livestock have unlimited access to the water all-winter long. This offers a great potential for bacteria, sediment and nutrients to enter the Grande Ronde River.

Project Ref	Grantee	Project Name	State
OWEB 201-378	OWEB	Wolf Creek/Powder Livestock Exclusion & Watering System	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-OCT-01-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$25,640	Middle Snake-Powder

Project Description

This project proposes to develop two shallow wells with a trough system to water cattle and eliminate the need to divert water from the creek. The large number of cattle using the water gap are causing bank erosion, degradation of the riparian vegetation and increased bacterial inputs.

Project Ref	Grantee	Project Name	State
OWEB 201-379	OWEB	Streambank Restoration/Arnoldus	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	24-OCT-02-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$52,375	Lower Snake

Project Description

This project will alter the channel and bank of the Grande Ronde at two sites. Both sites are showing accelerated erosion are in need of restoration to reduce sediment and nutrient inputs, improve shade and fish habitat.

Project Ref	Grantee	Project Name	State
OWEB 201-380	OWEB	Terracing/Upper Grande Ronde	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	22-OCT-01-02-APR-03	Salmon Habitat Protection and Restoration	$0	$9,345	Lower Snake

Project Description

The project proposes to install two gradient terraces across the upper slope of the property in order to reduce erosion and sediment transport to the Grande Ronde River, retain runoff for moisture conservation, and improve water infiltration.

Project Ref	Grantee	Project Name	State
OWEB 201-381	OWEB	Throop-Snyder Ditch Diversion Elimination	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	10-OCT-01-12-SEP-02	Salmon Habitat Protection and Restoration	$0	$27,050	John Day

Project Description

This project proposes to replace the Throop-Snyder diversion with three pump stations over a two-year time period.

Project Ref	Grantee	Project Name	State
OWEB 201-382	OWEB	Saddle Butte Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-NOV-01-19-NOV-02	Salmon Habitat Protection and Restoration	$0	$73,673	Oregon Closed Basins

Project Description

The applicants propose range improvements including an off-channel watering pipeline and riparian fencing that will establish new livestock utilization patterns and improve the ecological conditions in the BLM Saddle Butte Allotment for the benefit of the Wild and Scenic Owyhee River, wildlife and the stability of the local agricultural economy.

Project Ref	Grantee	Project Name	State
OWEB 201-384	OWEB	Riparian Rapid Recovery System	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-DEC-01-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$24,222	Middle Snake-Boise

Project Description

The project proposes to rehabilitate native redband and ESA-listed bull trout habitat by planting wetland-type vegetation and installing hard-hose emitter irrigation systems on selected private land streambanks to reestablish riparian vegetation on the Malheur and Owyhee tributaries.

Project Ref	Grantee	Project Name	State
OWEB 201-385	OWEB	Huesby Winter Water Reservoir Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	16-OCT-01-11-MAR-03	Salmon Habitat Protection and Restoration	$0	$15,000	Middle Columbia

Project Description

The project proposes to construct an off-stream lowland irrigation storage reservoir that would result in instream flows during the irrigation period of May through August of approximately 2+ cfs of 1903 right at the point-of-diversion.

Project Ref	Grantee	Project Name	State
OWEB 201-386	OWEB	Yost Water Quality Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	09-MAY-02-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$57,981	Lower Snake

Project Description

This project proposes to eliminate runoff from feedlots entering the Wallowa River. This will be accomplished through off-channel livestock water developments and riparian fencing.

Project Ref	Grantee	Project Name	State
OWEB 201-387	OWEB	Lathrop Riparian Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	04-NOV-01-30-JUN-03	Salmon Habitat Protection and Restoration	$0	$7,537	Lower Snake

Project Description

This project will improve riparian vegetation, reduce sediment and streambank erosion along the Wallowa River. This will be accomplished by installing a bridge to replace a ford used by vehicles and livestock.

Project Ref	Grantee	Project Name	State
OWEB 201-389	OWEB	Service Creek Riparian Water Quality Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	17-OCT-01-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$64,860	John Day

Project Description

This project proposes to replace 13,050' of earthen irrigation diversion ditches with 10" PVC pipe to reduce water leakage from the ditches and install 3 fish screens to prevent juvenille fish mortality in irrigation diversions.

Project Ref	Grantee	Project Name	State
OWEB 201-390	OWEB	Wilson/Wall Creek Riparian Fencing	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-DEC-01-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$46,090	John Day

Project Description

This project proposes to construct 13 miles of riparian fencing along upper Wall Creek, a tributary to the North Fork of the John Day River and Wilson Creek, a tributary to Wall Creek. Also, 2 cattleguards will be installed where the proposed fences cross the road to attach to existing boundary fences.

Project Ref	Grantee	Project Name	State
OWEB 201-391	OWEB	Cracker Creek Mining Area Watershed Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	05-NOV-01-28-OCT-03	Salmon Habitat Protection and Restoration	$0	$115,600	Middle Snake-Powder

Project Description

This project proposes to reduce the transport of metals to local streams in the Upper Powder watershed, thereby improving water quality and fish habitat. It is the intent of project to move, reshape and vegetate some of these historic rock and tailing repositories that create risk to watershed health.

Project Ref	Grantee	Project Name	State
OWEB 201-392	OWEB	Lone Pine Ranch Riparian Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	19-OCT-01-09-JUN-03	Salmon Habitat Protection and Restoration	$0	$10,142	Oregon Closed Basins

Project Description

The project proposes to close a 50' water gap along the Silvies River, and supply an alternative source of water for livestock.

Project Ref	Grantee	Project Name	State
OWEB 201-393	OWEB	Thissell Juniper/Range Improvement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	22-OCT-01-16-JUL-03	Salmon Habitat Protection and Restoration	$0	$8,925	Oregon Closed Basins

Project Description

This project proposes to thin 85 acres of juniper and aerially seed the area. The project will promote a healthier balance through juniper thinning and aerial grass seeding.

Project Ref	Grantee	Project Name	State
OWEB 201-394	OWEB	Pass Creek Offstream Watering	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	10-DEC-01-29-JAN-03	Salmon Habitat Protection and Restoration	$0	$19,770	John Day

Project Description

The project proposes to install a pump, pipeline and troughs to provide offstream watering and eliminate the need for livestock watering access on 2.5 miles of Pass Creek, a tributary of Long Creek.

Project Ref	Grantee	Project Name	State
OWEB 201-395	OWEB	Jack Smith Juniper Control Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	18-OCT-01-22-OCT-03	Salmon Habitat Protection and Restoration	$0	$24,274	Oregon Closed Basins

Project Description

The project proposes to cut juniper on 450 acres to reduce soil moisture competition where the juniper have invaded into a grass/shrub/pine range.

Project Ref	Grantee	Project Name	State
OWEB 201-423	OWEB	Oxbow Creek	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	06-MAY-02-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$10,450	Northern Oregon Coastal

Project Description

This project proposes to add large wood to 15 sites on Oxbow Creek, a tributary of the Siuslaw River. Project sites were selected based on the locations where woody debris would naturally accumulate. OWEB funds would be used for contracted services (excavator, log skidder, and self-loading log truck time and equipment operators) and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-424	OWEB	Karnowsky Creek WS Restoration Project Phase 1	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	21-FEB-02-01-JUN-04	Salmon Habitat Protection and Restoration	$0	$195,297	Northern Oregon Coastal

Project Description

This proposal would implement a comprehensive multi-activity restoration project on the entire 1800-acre Karnowsky Creek sub-basin in the Siuslaw River watershed. The restoration activities planned include channel realignment, the removal of roads and levees, the installation of large wood in-stream structures, the control/elimination of noxious weeds and exotic plant species and the planting of native species along the riparian area of the watershed.

Project Ref	Grantee	Project Name	State
OWEB 201-428	OWEB	Tillamook SWCD WS Restoration & Enhancment Planting	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	25-FEB-02-30-OCT-02	Salmon Habitat Protection and Restoration	$0	$23,778	Northern Oregon Coastal

Project Description

This project would fund planting and related maintenance activities (tree release) on five different landowner sites in Tillamook County. Two of the properties are on the Trask River and one each on the Nestucca and Nehalem Rivers and Sand Creek in the Sand Lake watershed. The requested OWEB funds would be used to pay wages for planting and maintenance, travel, tress/shrubs, administration and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 201-429	OWEB	Smith Creek Culvert Design	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	21-FEB-02-01-JUL-03	Salmon Habitat Protection and Restoration	$0	$13,130	Northern Oregon Coastal

Project Description

This project would fund an engineer consultant to design a new fish passage structure at the Gist Road crossing of Smith Creek, a tributary of the Nestucca River near the town of Cloverdale in Tillamook County. The current structure is a barrier to fish passage. OWEB funds would be used to pay for engineer consultation, design and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-430	OWEB	R Johnson Habitat Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	24-JUN-02-20-OCT-03	Salmon Habitat Protection and Restoration	$0	$12,375	Northern Oregon Coastal

Project Description

This project would place large wood structures in 12 sites along Miller Creek, a tributary of the Little Elk in the Yaquina River watershed. Another 3 sites on the mainstem Little Elk would also receive in-stream log structures. In addition, the bank of a small man-made pond at the junction of Miller Creek and the Little Elk would be breached to allow connectivity between the streams and the pond during high-water events. OWEB funds would be used for purchase and placement of the large wood as well as for production and administrative costs.

Project Ref	Grantee	Project Name	State
OWEB 201-431	OWEB	Beaver Creek Farm Corporation Marsh Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	24-JUN-02-09-SEP-03	Salmon Habitat Protection and Restoration	$0	$1,860	Northern Oregon Coastal

Project Description

This project seeks to restore channel sinuosity and complexity and to restore natural marshy conditions in the South Fork of Beaver Creek in Lincoln County. Large logs would be placed in clusters in 6 different sites in the main channel and willows would be planted throughout the valley bottom in order to encourage beaver colonization and dam building in the main channel and two small tributaries. OWEB funds would be used to purchase and place the large logs and for administration of the project.

Project Ref	Grantee	Project Name	State
OWEB 201-443	OWEB	Little Applegate Fire Rehabilitation Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	08-APR-02-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$33,790	Southern Oregon Coastal

Project Description

This project proposes to address impacts from the Quartz Fire by undertaking tree planting, native grass seeding, constructing water bars, contour falling and placing erosion control fabrics. Road rehabilitation and road decommissioning will be used to help to reduce documented sediment sources in the Little Applegate Watershed.

Project Ref	Grantee	Project Name	State
OWEB 201-444	OWEB	GPID Pump Installation and Removal of Savage Rapids Dam	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Salmon Habitat Protection and Restoration	$0	$1,750,000	Southern Oregon Coastal

Project Description

This project proposes a three phase project to design and construct a new pumping station for the Grants Pass Irrigation District, remove Savage Rapids Dam and implement fish and riparian restoration as well as develop recreational facility projects to enhance the benefits of dam removal. The Dam has been identified as a major barrier to anadromous fish species in the Rogue Basin.

Project Ref	Grantee	Project Name	State
OWEB 201-444A	OWEB	GPID Pump Installation and Removal of Savage Rapids Dam	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Salmon Habitat Protection and Restoration	$0	$250,000	Southern Oregon Coastal

Project Description

This project proposes a three phase project to design and construct a new pumping station for the Grants Pass Irrigation District, remove Savage Rapids Dam and implement fish and riparian restoration as well as develop recreational facility projects to enhance the benefits of dam removal. The Dam has been identified as a major barrier to anadromous fish species

Project Ref	Grantee	Project Name	State
OWEB 201-446	OWEB	Coquille Instream Enhancement 2002	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	24-JUN-02-01-OCT-03	Salmon Habitat Protection and Restoration	$0	$87,285	Southern Oregon Coastal

Project Description

This project proposes to build upon past efforts by the Coquille Watershed Association to enhance spawning and rearing habitat in the system. Under this proposal logs and boulders will be placed Myrtle, Cherry and Bear Creeks. These areas support coho, chinook and steelhead. Either ODFW or BLM biologists will supervise project inspection and installation.

Project Ref	Grantee	Project Name	State
OWEB 201-448	OWEB	Jackson Creek Riparian Planting Demonstration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Salmon Habitat Protection and Restoration	$0	$12,210	Southern Oregon Coastal

Project Description

This project will implement actions identified in the 2001 Jackson Creek Watershed Assessment and Action Plan. The primary objective of the project is to restore the riparian condition of Jackson Creek at the J. Herbert Stone Nursery to a more properly functioning condition. A secondary objective is to demonstrate viable riparian planting practices to private landowners within the watershed.

Project Ref	Grantee	Project Name	State
OWEB 201-449	OWEB	Clover Creek Instream	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	05-FEB-02-31-OCT-03	Salmon Habitat Protection and Restoration	$0	$67,930	Southern Oregon Coastal

Project Description

A total of 78 large logs will be placed along 17 sites along a one-mile section of Clover Creek. Riparian hardwoods and conifers will be planted along the open spaces of Clover Creek. In addition a culvert that is currently a fish barrier will be replaced to allow anadromous fish passage into the upper section of the drainage. Two cattle crossings will also be constructed to help improve water quality.

Project Ref	Grantee	Project Name	State
OWEB 201-470	OWEB	McKenzie Willamette River Confluence Habitat Enhanc & Evalua	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	04-MAR-02-30-NOV-03	Salmon Habitat Protection and Restoration	$0	$98,739	Willamette

Project Description

This project addresses the river channel and riparian and upland habitats within about ½-mile of the river, and area of about 11,123 acres. The proposal includes: 1) development of potential habitat enhancement and flood protection alternatives for the project area; 2) implementing restoration projects at three sites. OWEB funds are requested for project coordination, permitting, management, public outreach, consulting services, monitoring and evaluation, GIS tasks, pond turtle predator enclosures, alcove excavation, brush clearing, and placement of logs, culverts, and rocks.

Project Ref	Grantee	Project Name	State
OWEB 201-472	OWEB	Poodle Creek Fencing & Riparian Planting Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-AUG-02-03-SEP-03	Salmon Habitat Protection and Restoration	$0	$21,974	Willamette

Project Description

Five landowners will install fencing to exclude livestock from the riparian zone, develop off-channel livestock watering, and plant additional trees in the riparian area. OWEB funds are requested for project management, fencing materials and installation, off-channel watering materials and equipment, riparian trees, tree planting, film developing, and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-473	OWEB	Peters Restoration & Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	27-FEB-02-03-SEP-03	Salmon Habitat Protection and Restoration	$0	$3,659	Willamette

Project Description

The landowner will implement management strategies to improve conditions for the vegetation historically present in the area. OWEB funds are requested for project management, mileage, seed, trees, shrubs, film developing, report production and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 201-475A	OWEB	Johnson Cr Confluence Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	03-SEP-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$655,000	Willamette

Project Description

The City of Portland seeks funding to restore one of 5 sub-areas of a 51-acre site along the confluence of Johnson Creek and Kelley Creek to improve salmonid habitat. Restoration includes restoring wetlands and off-channel habitat for salmonids, planting native vegetation and providing opportunities for education and stewardship. OWEB funds would be used for project management, inspection, erosion/sediment control, channel/floodplain work, revegetation, design, permitting, and start-up/close-out costs.

Project Ref	Grantee	Project Name	State
OWEB 201-477	OWEB	Crystal Springs Headwaters Fish Passage & Restoration Yr 2	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	06-FEB-02-29-AUG-03	Salmon Habitat Protection and Restoration	$0	$37,400	Willamette

Project Description

This proposal is for the second year of a 5-year project and involves removal of noxious and invasive plants to protect the water quality of the springs and prevent degradation of Crystal Springs Creek. The goal of the overall project is to improve wildlife habitat, ensure the water quality of the springs, and provide effective fish passage for salmon and other resident fish species. OWEB funds are requested for project coordination, management and training, invasive and noxious weed removal and project administration.

Project Ref	Grantee	Project Name	State
OWEB 201-480	OWEB	So Meadow/BPA Parcel Floodplain Enhancement Project II 02-03	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	19-APR-02-20-AUG-03	Salmon Habitat Protection and Restoration	$0	$94,495	Willamette

Project Description

This project will restore a diversity of vegetation communities within areas historically cleared to support agriculture, modify site hydrology to support establishment of desired ecotypes, detain and store flood waters, improve water quality, and foster historic “branched” river character. OWEB funds are requested for floodplain native plantings, exotics control, survey, design, engineering and wetland permit application for proposed hydrologic modifications, implementation of hydrologic modifications, and nursery operations to support revegetation activities.

Project Ref	Grantee	Project Name	State
OWEB 201-483	OWEB	Soap Cr Culvert Replacement & Stream Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-FEB-02-09-APR-03	Salmon Habitat Protection and Restoration	$0	$40,800	Willamette

Project Description

This project will replace an undersized culvert on Soap Creek Road at Milepost 4.13. It is currently a fish passage barrier and the slope of the culvert combined with its round bottom results in water velocities that prohibit fish passage. The project will open 5 miles of “excellent” stream habitat for cutthroat trout, steelhead and juvenile Chinook within a drainage boundary of 1,979 acres upstream from the project. OWEB funds are requested for labor, purchase of materials, plants and seed, and the rental of equipment not presently owned by Benton County Public Works.

Project Ref	Grantee	Project Name	State
OWEB 201-484	OWEB	Woods Cr Culvert Replacement & Stream Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-FEB-02-07-APR-03	Salmon Habitat Protection and Restoration	$0	$40,803	Willamette

Project Description

This project will replace an undersized culvert crossing on Price Creek Road at Milepost 0.06. The project will open 4.73 miles of “excellent” stream habitat for cutthroat trout, steelhead and juvenile Chinook within a drainage boundary of 2,713 acres upstream from the project. OWEB funds are requested for labor, purchase of materials, plants and seed, and the rental of equipment not presently owned by Benton County Public Works.

Project Ref	Grantee	Project Name	State
OWEB 201-489	OWEB	Clackamas River Watershed Riparian Protection	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	08-APR-02-29-JAN-04	Salmon Habitat Protection and Restoration	$0	$31,793	Willamette

Project Description

The project is necessary to prevent knotweed species from permanently occupying extensive stretches of the riparian zone within the Clackamas River, resulting in a decline in overall riparian and adjacent upland habitat diversity/quality and loss of habitat for fish and wildlife. OWEB funds are requested for project management, travel, Envirocorps team, CRBC Program leader, materials, supplies, printing, postage, equipment and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-490	OWEB	Mad Cr Stream Crossing Improvement (October 2001)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-APR-02-09-SEP-03	Salmon Habitat Protection and Restoration	$0	$56,700	Willamette

Project Description

This project will provide fish passage for winter steelhead to access 1 mile of spawning and rearing habitat and to protect 3 miles of downstream habitat. An earlier OWEB grant included $92,000 for bridge construction. However, bids received for the work exceed that amount. OWEB funds are requested for culvert removal, bridge construction, materials and supplies and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-492	OWEB	Sandy River Watershed Riparian Protection Phase III	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	05-MAR-02-30-JUN-03	Salmon Habitat Protection and Restoration	$0	$62,083	Lower Columbia

Project Description

This project will control knotweed on the lower Sandy and treat 8 priority sites to remove mature Scots broom. It also includes treatment of an unspecified number of priority blackberry and reed canary grass sites, expanding control work further upstream along the Sandy and major tributaries, monitoring results, and continuing to test and report on best management strategies. OWEB funds are requested for project management, GIS analyst, two part-time work teams, mileage, transportation, work crews, training, materials and supplies, printing, photography, postage and project administration.

Project Ref	Grantee	Project Name	State
OWEB 201-497	OWEB	Crooked River Off Channel Water Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	24-JUN-02-30-DEC-03	Salmon Habitat Protection and Restoration	$0	$35,880	Deschutes

Project Description

This project would establish 21 off-channel livestock watering facilities on five differently owned properties. Each project site has been evaluated to determine the most cost effective strategy. Proposed practices include: gravity pipelines, solar pumps, windmills, wells, trough relocation from riparian areas, spring developments and riparian fencing. OWEB funds would be used to cover the cost of materials only.

Project Ref	Grantee	Project Name	State
OWEB 201-498	OWEB	McFarland Ranch & Refuge Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	18-OCT-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$176,500	Upper Sacramento

Project Description

This project would renovate a water diversion structure to pass fish and screen them from being diverted, plant willows along Drews Creek, and renovate 200 acres of wetland below a new 900 acre wetland conservation area established under the NRCS Wetland Reserve Program. The project will restore and protect approximately 25% of the most important habitat in the Goose Lake system for native fish. OWEB funds will be used for renovation of the diversion structure, wetland restoration, additional fence materials for the Drews Creek, willow planting, design and permits.

Project Ref	Grantee	Project Name	State
OWEB 201-499	OWEB	Agency Creek Dam Removal & Stream Restoration Phase 2	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	11-MAR-02-01-APR-03	Salmon Habitat Protection and Restoration	$0	$95,040	Klamath

Project Description

An existing dam structure blocks 1,600 feet of stream and 950 feet of prime spawning habitat on Agency Creek. Restoration of this stretch is expected to yield 80 –100 spawning redds which represents 20% of the total spawning area of the Wood River system. This project would remove the dam and safely remove the 2-3 feet of sediment, re-establish the channel with habitat complexity, vegetate it sufficiently to prevent movement or degradation and provide additional spawning gravels. OWEB funds would be used for construction.

Project Ref	Grantee	Project Name	State
OWEB 201-500	OWEB	Higgins Creek Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	28-FEB-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$36,161	Deschutes

Project Description

This project would remove a culvert and replace it with a bridge to open up two miles of redband trout habitat. It would also improve two stream crossings, replace four move culverts with larger culverts at grade or with hardened crossings, repair a headcut and relocate portions of the road. Approximately four miles of riparian fencing will be installed and all of the areas will be revegetated with native plant materials. OWEB funds will be used to purchase, transport and install a 36 foot bridge.

Project Ref	Grantee	Project Name	State
OWEB 201-501	OWEB	Phil Patti Wood River Riparian Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-FEB-02-12-MAR-03	Salmon Habitat Protection and Restoration	$0	$16,163	Klamath

Project Description

This project would continue ODFW restoration with the placement of large woody material for streambank stabilization and habitat and the construction of 2,500 feet of riparian livestock exclusion fencing in the Wood River. OWEB funds will be used for the purchase of logs, boulders, fence materials and their placement.

Project Ref	Grantee	Project Name	State
OWEB 201-502	OWEB	Deming Creek Trail Bull Trout Habitat Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	18-MAR-02-30-DEC-02	Salmon Habitat Protection and Restoration	$0	$11,000	Klamath

Project Description

This project would move a stock enclosure away from the creek, creating two hardened livestock watering sites, trail sections will be relocated away from Deming Creek and one foot bridge will be constructed. The access road will be put to bed and 3,000 Ponderosa Pine seedlings will be planted in the former road bed. OWEB funds will be used for restoration and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 201-503	OWEB	Restoration of Lake Fringe Wetland Habitat/Willamson River	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	05-MAR-02-30-DEC-03	Salmon Habitat Protection and Restoration	$0	$126,156	Klamath

Project Description

In 1996, TNC acquired 3,700 acres of former wetland on the north side of the Williamson River known as Tulana Farms. In 1999, TNC acquired 2,700 acres on the south side of the Williamson River known as the Goose Bay Farm property, all contiguous to Upper Klamath Lake. To date, 2000 acres of the Tulana Farms property has been converted back to wetlands and this project would breach two locations in the existing dike to re-establish 160 acres of wetland on the Goose Bay Farm property. OWEB funds will be used for construction, materials, monitoring and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-505	OWEB	Fifteenmile Best Management Practices 2002-2004	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-FEB-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$136,974	Middle Columbia

Project Description

This project would continue to reduce the cost of converting acreage to direct seeding, thus leaving more crop residue on the site through the planting and growing periods. Landowners would receive $22/acre for one year and will sign an agreement to use no-till farming methods for at least three years. OWEB funds will be matched with DEQ 319 funds to provide 75% cost share for installation of no-till farming practices. OWEB will also pay for technical assistance and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-513	OWEB	Owsley Canyon Creek Restoration Phase I	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	22-OCT-02-31-OCT-04	Salmon Habitat Protection and Restoration	$0	$57,560	Lower Snake

Project Description

This project will extend the habitat range for steelhead by stabilizing a sediment source and reconnecting the stream to its historic floodplain. The stream will be returned to its historic channel and reconnected to old meanders. The project addresses the following limiting factors: elevated stream temperatures, heavy sediment loads, low late-season flows, lack of buffering vegetation and degraded fish habitat. OWEB funds are requested for equipment rental, culvert installation, modifications to the existing channel, administration and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 201-515	OWEB	Ladd Creek/Tule Lake Restoration Project Phase II	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	06-SEP-02-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$160,000	Lower Snake

Project Description

The project will restore approximately 500 acres of wetlands and 140 acres of grasslands and forested habitat on the Ladd Marsh Wildlife Area, providing habitat for wetland wildlife and indirectly enhancing stream habitat conditions in Ladd and Catherine Creeks. In addition, 17 acres of trees will be planted and 100 acres of grassland planted. A water delivery system will be constructed that will allow tertiary treated wastewater from the City of La Grande to be used to manage wetland habitats at the site. OWEB funds are requested for excavation, equipment rental, water-control structures, tree planting, grass seeding and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-516	OWEB	Weston Mountain Ponds	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	03-MAR-02-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$52,877	Middle Columbia

Project Description

The project will construct 8 small-scale infiltration ponds. These ponds will collect and retain water from surface flow, snowmelt and precipitation and allow it to saturate into the ground and seep into nearby Hudgson, Rayborn & Dry Creek Canyons. This will result in increased instream flows during the low-flow period, improved riparian conditions and also provide off-stream water for livestock. OWEB funds are requested for a pond construction costs, a workshop presentation and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-518	OWEB	Spin & Marty- Butter Creek Range & Riparian Enhancement Proj	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	04-MAR-02-30-SEP-04	Salmon Habitat Protection and Restoration	$0	$34,968	Middle Columbia

Project Description

Project objectives include maintaining and improving existing vegetative grass and shrubs stands for resident wildlife and cattle, improving upland habitat for big game and restoration of overall stream health to the upper Butter Creek basin. Proposed project implementation includes installing 3.2 miles of pasture cross fencing to provide additional rest-rotation grazing, .6 miles of riparian corridor fencing and 6 spring developments. OWEB funds are requested for the installation of technical assistance, spring developments, fencing and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-520	OWEB	Willow Creek WS Winter Feeding Area Improvement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-FEB-02-30-SEP-04	Salmon Habitat Protection and Restoration	$0	$34,405	Middle Columbia

Project Description

This project will meet water quality improvement objectives by restricting livestock access to creeks and reducing overland flow and potential animal waste inputs. The project includes the construction of waste storage structures, 4,250' of exclusion fencing, 3 off-stream watering facilities, water sampling, grass seeding and culvert installation on 2 different landowners in different parts of Morrow County. OWEB funds are requested for fencing, off-stream water developments, seedbed preparation, grass seed and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-521	OWEB	Three P's Water Quality & Wildlife Habitat Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	06-MAR-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$86,959	Middle Snake-Boise

Project Description

The canal water entering this property is laden with sediment. This wetland-wildlife project will clean up sediment and function to decompose chemical runoff of pesticides, herbicides and decrease nitrogen and phosphorous levels. Vegetative plantings will provide filtering and shade on a constructed 14.4 acres wetland areas-pond. OWEB funds are requested for plant materials, pipe, waterwheel and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-522	OWEB	Milk Creek Riparian Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	23-APR-02-02-APR-03	Salmon Habitat Protection and Restoration	$0	$32,146	Lower Snake

Project Description

This project is located in the headwaters of Milk Creek, a tributary to Catherine Creek. Project implementation will improve vegetation, streambank stabilization, improve fish habitat, improve watershed health and function. Components include riparian exclusion fence on 1.3 miles, fence 2 springs, rebuild/create 2 off-channel watershed sites for livestock and install bottomless fish-passable culvert which will open 7 miles of Milk Creek for anadromous fisheries. OWEB funds are requested for culvert and installation, fencing, equipment rental, troughs, pipe and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-526	OWEB	Marley Creek Fencing & Spring Development	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-02-02-APR-03	Salmon Habitat Protection and Restoration	$0	$25,063	Lower Snake

Project Description

The project will restore and enhance a 3,500' section of the riparian area on Marley Creek, a perennial spring-fed tributary of Meadow Creek. Components include 7,100' of riparian fencing, 4,000' of cross fencing to create 3 separate pastures and 8 spring developments and the development of a grazing plan. Watershed benefits include increased streambank stability, reduced sediment and nutrient loading, increased riparian plant species diversity, improved riparian shading opportunities and provide watering opportunities for livestock and wildlife. OWEB funds are requested for the troughs, spring developments, fencing, stream crossing, plant materials and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-527	OWEB	Zubrick Dike Setback	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	18-MAR-02-09-JAN-03	Salmon Habitat Protection and Restoration	$0	$8,940	Lower Snake

Project Description

The project will remove and setback 550 LF of dike along the Grande Ronde. Without being setback, this section is subject is intense hydrologic forces during high-water events. Project objectives include increasing the riparian area, increase shading opportunities, improve streambank stability, create a wetland and increase floodplain opportunities. OWEB funds are requested for the dike setback, surface drain, administration and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 201-530	OWEB	Jack Creek Riparian Relief Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	13-FEB-02-26-FEB-03	Salmon Habitat Protection and Restoration	$0	$3,235	Middle Snake-Boise

Project Description

The project will install 2,500' of pipe and install 4 troughs to establish off-site water development. Objectives include improved riparian conditions; reduced streambank erosion; increased irrigation efficiency and an improved rotational livestock grazing. Additionally, the project will benefit wildlife populations of mule deer, antelope, sage grouse, sandhill cranes, quail and other upland birds, especially during drought years. OWEB funds are requested for pipe, troughs and grass seed.

Project Ref	Grantee	Project Name	State
OWEB 201-531	OWEB	Mullin Indian Creek Diversion Replacements	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-FEB-02-05-FEB-03	Salmon Habitat Protection and Restoration	$0	$27,270	John Day

Project Description

Two gravel push-up diversion structures on Indian Creek, a tributary of the upper John Day mainstem, will be replaced with fish friendly alternatives. In addition, 2 headgates and measuring devices will be installed with the monitoring provided by OWRD for 5 years. Project objectives include fish passage for ESA-listed species, improved water quality, improved irrigation water management and streambank stabilization and revegetation. OWEB funds are requested for materials, equipment rental, measuring devices, headgates and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-535	OWEB	Upper John Day Irrigation Diversion Improvements	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	19-MAR-02-30-DEC-03	Salmon Habitat Protection and Restoration	$0	$13,840	John Day

Project Description

The Grant SWCD is proposing to replace 8 gravel push-up diversion dams with fish friendly alternatives, improve headgates and install measuring devices. The project will retain 2 part-time engineers and a summer engineering student to provide technical assistance to design and implement these projects, and OWRD will provide technical assistance for the installation of the water-flow measuring devices. OWEB funds are requested for personnel, travel and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-535A	OWEB	Upper John Day Irrigation Diversion Improvements	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	19-MAR-02-30-DEC-03	Salmon Habitat Protection and Restoration	$78,428	$0	John Day

Project Description

Same as 201-535. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-536	OWEB	Holliday Indian Creek Diversion Replacements	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-FEB-02-07-MAR-03	Salmon Habitat Protection and Restoration	$0	$43,812	John Day

Project Description

Three gravel push-up dams will be replaced with fish friendly alternatives on Indian Creek, Split/Potter, McKenna and Westside Ditches to eliminate fish-passage barriers along the entire stretch of the West Fork. Project objectives include improved water quality, providing fish passage during low-flow periods, improving irrigation water management and improving streambanks vegetative conditions. OWEB funds are requested for the materials, equipment rental and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-537	OWEB	Sunset Valley Irrigation Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-FEB-02-30-SEP-04	Salmon Habitat Protection and Restoration	$0	$77,619	Middle Snake-Boise

Project Description

This project will convert 760 acres of flood-irrigated land to sprinkler-drip by installing 2 mainlines from an Owyhee main canal for over 2 miles and providing gravity-fed water to 4 separate land units. Project objectives include reducing sediment transport into the Snake River system, improving water quality, reducing overland and subsurface flow of nitrates/phosphates and animal wastes, reducing water consumption to increase Snake River flows and dedicating 30 acres to wildlife habitat. OWEB funds are requested for pipe, diversions, bubblers, engineering, sign and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-539	OWEB	Jordan Creek Riparian Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	11-FEB-02-30-DEC-03	Salmon Habitat Protection and Restoration	$0	$26,082	Deschutes

Project Description

This project would repair a 1996 flood damaged railcar bridge, construct a new railcar bridge on Lower Jordan Creek, construct 1.75 miles of riparian fence, replant woody species along the creek and construct water bars on roads that contribute sediment to Jordan Creek within the Wildlife Management Area. OWEB funds will provide 35% of the cost of installation, including contracting on the bridge work. OWEB funds will also provide part of the cost of technical support and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-540	OWEB	Mountain Creek Watershed Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	11-APR-02-30-JUN-03	Salmon Habitat Protection and Restoration	$0	$3,136	John Day

Project Description

This project will fund native tree and shrub plantings on a section of Mountain Creek in Wheeler County. 2,000' of this 2-mile enclosure was planted under a previous grant and the remaining ½ mile section will be planted under this new proposal. Project outcomes include accelerated riparian recovery, increased shade, decreased erosion, improved habitat and increased structure. OWEB funds are requested for plant materials, labor, tube to protect seedlings, administration and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 201-541	OWEB	Gable Creek Ranch Riparian Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-MAR-02-30-JUN-03	Salmon Habitat Protection and Restoration	$0	$68,800	John Day

Project Description

This project will replace 12,000' of earthen ditches with PVC pipe, install 2 fish screens, headgates and measuring devices. The current diversions, which are fish-passage barriers, will be replaced. The landowner will enroll 3.5 stream miles into the Conservation Reserve Enhancement Program (CREP). Project objectives include reduce water quantity and quality; remove fish-passage barriers; improve bank stabilization and improve riparian condition and function. OWEB funds are requested for the equipment rental, seed, pipe, pressure-reducing valves; flowmeter, administration and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 201-549	OWEB	ODFW Habitat Biologist-Western Oregon	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-DEC-01-15-NOV-03	Salmon Habitat Protection and Restoration	$0	$1,049,576	Willamette

Project Description

Habitat Fish Biologists Salaries for Western Oregon

Project Ref	Grantee	Project Name	State
OWEB 201-552	OWEB	ODFW 2001-03 Fish Screening	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$4,000,000	Willamette

Project Description

Provide fish screens to priority locations around the state.

Project Ref	Grantee	Project Name	State
OWEB 201-554	OWEB	White Eason Land LLC Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	09-MAR-02-30-AUG-03	Salmon Habitat Protection and Restoration	$0	$91,000	Middle Snake-Boise

Project Description

The project proposes to relocate ranch corrals and a feedlot away from the Owyhee River at Rome. Malheur SWCD is proposing to relocate the working corrals and feedlots to a combined area about 1 mile away form the river. The current feedlot will be reseeded to crested wheatgrass and tall wheatgrass with native willow planted in the bank area to filter sediment, utilize nutrients, control erosion and optimize water infiltration. Project objectives include improved water quality and quantity; reduced soil erosion; improved fish and wildlife habitat and riverbank rehabilitaition, improved fisheries habitat and increased public awareness. OWEB funds are requested for materials, equipment rental and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-572	OWEB	Sutter Creek Culvert & Stream Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	28-JUN-02-06-APR-03	Salmon Habitat Protection and Restoration	$0	$36,322	Willamette

Project Description

This project will replace an undersized culvert on Sutter Creek, a small tributary of Honey Grove Creek in the upper Alsea watershed, with an oversized arch culvert and restore the streambed that has been scoured below the existing culvert. The project area will be replanted to enhance the restoration of the area. OWEB funds will be used to pay for materials and the rental of equipment outside the resources of Benton County Public Works Department.

Project Ref	Grantee	Project Name	State
OWEB 201-573	OWEB	Siuslaw Riparian Restoration Project II	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	23-AUG-02-30-AUG-04	Salmon Habitat Protection and Restoration	$0	$41,170	Northern Oregon Coastal

Project Description

This is a two-year project to plant and maintain a minimum of 14,000 native trees and shrubs on private, non-industrial riparian land throughout the Siuslaw River watershed and the adjoining coastal lakes area. OWEB funds will be used for trees and related supplies; maintenance; and project management, in roughly equal percentages.

Project Ref	Grantee	Project Name	State
OWEB 201-574	OWEB	Esmond Cr Basin Instream Habitat Improvement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	23-AUG-02-08-JAN-04	Salmon Habitat Protection and Restoration	$0	$46,777	Northern Oregon Coastal

Project Description

This restoration project will place large wood structures and boulder fields in five stream reaches in the Esmond Creek basin, a sub-basin of the upper Siuslaw River. The log and boulder structures would help capture migratory gravels and address the lack of over-wintering habitat in the basin. OWEB funds would be spent on equipment and operator costs for placement of the structures.

Project Ref	Grantee	Project Name	State
OWEB 201-575	OWEB	Deadwood Creek CRMP Enhancement Project Final Phase	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$16,200	Northern Oregon Coastal

Project Description

This request is for management funds to cover 12% of the overall cost of a large wood placement project on 10 or more private ownerships in the upper Deadwood Creek basin, a sub-basin of the Siuslaw River watershed. The 10 private ownerships are a component of a much larger project involving LWD placements on adjoining federal lands. 100% of the OWEB funds will be used for project management.

Project Ref	Grantee	Project Name	State
OWEB 201-577	OWEB	West Fork Ecola Creek Large Wood Debris Placement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	03-JUL-02-30-OCT-03	Salmon Habitat Protection and Restoration	$0	$1,520	Northern Oregon Coastal

Project Description

This project will place 10-15 pieces of large wood in West Fork Ecola Creek for salmonid habitat, gravel recruitment and refugia. The trees are a donation from a local ODOT project. 100% of the OWEB funds will be used for wood placement.

Project Ref	Grantee	Project Name	State
OWEB 201-578	OWEB	Alsea Culvert Replacement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	24-JUN-02-30-APR-04	Salmon Habitat Protection and Restoration	$0	$56,592	Northern Oregon Coastal

Project Description

This project would fund the replacement of three culverts in the Alsea River/Five Rivers watershed that are undersized and impacting both adult and juvenile salmonid migrations. In addition, interim maintenance on the Five Rivers fish ladder will be conducted, after which upstream migrations of older age class steelhead juveniles may be restored. Over 75% of the OWEB funds requested will be spent on the purchase of the culverts and rock. The remainder is budgeted for project management, administration and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 201-579	OWEB	South Fork Alsea (Mainstem)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	24-JUN-02-30-APR-04	Salmon Habitat Protection and Restoration	$0	$64,981	Northern Oregon Coastal

Project Description

This project will address the limiting factors of low wood density (complexity) and elevated stream temperatures along a 1.5-mile reach of the lower South Fork Alsea River by placement of large wood structures, riparian fencing and planting activities, wetland restoration and the development of backwater habitats. Over 60% of the OWEB funds requested will be used for helicopter time for placement of the wood structures. The remainder of OWEB funds are budgeted for planting activities, planting maintenance, project management, administration and planting supplies.

Project Ref	Grantee	Project Name	State
OWEB 201-580	OWEB	Lobster Riparian Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	24-JUN-02-03-NOV-03	Salmon Habitat Protection and Restoration	$0	$10,298	Northern Oregon Coastal

Project Description

This is a combination riparian planting and large wood placement project on a reach of Lobster Creek, a major coho-producing tributary of the Five Rivers sub-basin of the Alsea River watershed. The control of invasive species (blackberries) and planting of a variety of native riparian plants will provide long-term shade and LWD recruitment while edge-oriented LWD structures will provide increased wood complexity for juveniles electing to rear in the reach. Roughly 50% of the funds requested from OWEB will be used on planting related activities and materials. The remainder is budgeted for project management, log placement, maintenance and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-582	OWEB	Blodgett Tract Railroad Throughfill Stabilization	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-JUN-02-21-JAN-03	Salmon Habitat Protection and Restoration	$0	$25,589	Northern Oregon Coastal

Project Description

This project will stabilize a 40' deep by 400' long railroad-era throughfill above Fishhawk Creek in the upper Nehalem River watershed on land owned by the OSU Research Forest. 100% of the requested OWEB funds will be used for equipment and operators and supplies/materials.

Project Ref	Grantee	Project Name	State
OWEB 201-583	OWEB	TCSWCD 2002 Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Salmon Habitat Protection and Restoration	$0	$47,619	Northern Oregon Coastal

Project Description

This project would build 17,680' of livestock exclusion fence along the riparian area of three landowners in the Nestucca River watershed. Two of the three sites would also have off-channel watering provided. Almost 90% of the requested OWEB funds would be spent on fencing crew wages and travel.

Project Ref	Grantee	Project Name	State
OWEB 201-584	OWEB	Early Detection/ Control of Spartina Patens in Siuslaw Estua	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	09-JUL-02-30-OCT-03	Salmon Habitat Protection and Restoration	$0	$19,568	Northern Oregon Coastal

Project Description

The goal of this project is to contain and control the noxious weed Spartina patens at its only known occurrence in Oregon; 188 acre Cox Island, low in the Siuslaw River estuary. Control will be accomplished by covering patches of Spartina with heavy-duty landscape fabric for a two-year period. Another new control technology will also be tried and compared to the fabric covering methodology. The majority of OWEB funds will be used for implementation and supervisory personnel with a small percentage budgeted for supplies, production and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-597	OWEB	Timber Ridge Ranch WS Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	11-JUL-02-01-OCT-03	Salmon Habitat Protection and Restoration	$0	$55,220	Southern Oregon Coastal

Project Description

This project proposes to increase and enhance fisheries habitat, improve water quality and enhance wetland function on a 226 acre ranch on Two-mile Creek, The project will have components addressing three bottomland reaches. Components include, expansion of an existing wetland, native tree and shrub planting in riparian zones, bridge and culvert replacements, fence construction and the increasing of stream complexity.

Project Ref	Grantee	Project Name	State
OWEB 201-598	OWEB	Tenmile Lakes' Fish Passage & Sediment Abatement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	19-JUN-02-01-MAR-04	Salmon Habitat Protection and Restoration	$0	$231,222	Southern Oregon Coastal

Project Description

This project proposes to remove eight fish passage and/or sediment problem structures within five sub-basins. The project will enhance and improve passage to approximately 20 miles of habitat. These sites have been identified as priority “fixes” through the watershed council’s assessment. Possible solutions have been evaluated and preferred alternatives have been chosen. A project selection committee consisting of watershed council members, state and federal agencies, local government and project-site landowners decided upon site alternatives.

Project Ref	Grantee	Project Name	State
OWEB 201-598B	OWEB	Tenmile Lakes' Fish Passage & Sediment Abatement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	06-SEP-02-30-OCT-03	Salmon Habitat Protection and Restoration	$0	$47,509	Southern Oregon Coastal

Project Description

Same as 201-598. Additional project location.

Project Ref	Grantee	Project Name	State
OWEB 201-599	OWEB	North Fork Coquille River Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-01-OCT-03	Salmon Habitat Protection and Restoration	$0	$44,030	Southern Oregon Coastal

Project Description

This project proposes to place five boulder weirs within a bedrock dominated reach of the North Fork Coquille River. Large woody debris will also be placed in Blue Creek, a tributary to the North Fork. A small “fish Ladder” project will also enhance passage through a box culvert on the creek.

Project Ref	Grantee	Project Name	State
OWEB 201-604	OWEB	Oldham Creek - Gill	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	04-SEP-02-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$13,703	Southern Oregon Coastal

Project Description

This project proposes to improve habitat conditions by installing riparian fence along 2,800’ of Oldham Creek, installation of a hardened livestock crossing, developing off-channel stock watering systems at five sites and planting native trees and shrubs in the fenced off riparian areas.

Project Ref	Grantee	Project Name	State
OWEB 201-606	OWEB	Big Creek Structure Placement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-AUG-02-30-JAN-03	Salmon Habitat Protection and Restoration	$0	$25,850	Southern Oregon Coastal

Project Description

This project proposes to place 212 large logs and 304 boulders in 55 sites along a 2 1/2 to 3 mile section of creek to increase instream complexity, slow water velocities and accumulate gravels for coho, steelhead and cutthroat trout.

Project Ref	Grantee	Project Name	State
OWEB 201-607	OWEB	Cavitt Creek Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	04-SEP-02-15-SEP-03	Salmon Habitat Protection and Restoration	$0	$113,850	Southern Oregon Coastal

Project Description

This project proposes to undertake road-related restoration within the Cavitt Creek drainage. Needs have been identified in watershed analysis and a Water Quality Restoration Plan. Seven culverts will be replaced.

Project Ref	Grantee	Project Name	State
OWEB 201-609	OWEB	Catching Creek Structure Placement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	04-SEP-02-26-NOV-02	Salmon Habitat Protection and Restoration	$0	$11,620	Southern Oregon Coastal

Project Description

This project proposes to place 50 logs and 75 boulders at seventeen sites along a 1-mile section of creek to increase instream complexity, slow water velocities and accumulate gravels for coho, steelhead and cutthroat trout.

Project Ref	Grantee	Project Name	State
OWEB 201-610	OWEB	Weatherly Creek Structure Placement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-AUG-02-30-JAN-03	Salmon Habitat Protection and Restoration	$0	$9,187	Southern Oregon Coastal

Project Description

This project proposes to 50 logs and 171 boulders in 17 sites along a 1-mile section of creek to increase instream complexity, slow water velocities and accumulate gravels for coho, steelhead and cutthroat trout.

Project Ref	Grantee	Project Name	State
OWEB 201-612A	OWEB	Coos WS Projects 2002 - Coal Bank Slough	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-08-SEP-03	Salmon Habitat Protection and Restoration	$0	$11,029	Southern Oregon Coastal

Project Description

This project proposes to undertake tidegate and culvert replacement in Coalbank Slough, do riparian plantings in mid-elevation, low gradient tributary streams to the mainstem rivers and undertake sediment reduction projects on high risk roads in the Millicoma Tree Farm.

Project Ref	Grantee	Project Name	State
OWEB 201-612B	OWEB	Coos WS Projects 2002	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$70,082	Southern Oregon Coastal

Project Description

This project proposes to undertake tidegate and culvert replacement in Coalbank Slough, do riparian plantings in mid-elevation, low gradient tributary streams to the mainstem rivers and undertake sediment reduction projects on high risk roads in the Millicoma Tree Farm.

Project Ref	Grantee	Project Name	State
OWEB 201-612C	OWEB	Coos WS Projects 2002 - Roads	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$82,338	Southern Oregon Coastal

Project Description

This project proposes to undertake tidegate and culvert replacement in Coalbank Slough, do riparian plantings in mid-elevation, low gradient tributary streams to the mainstem rivers and undertake sediment reduction projects on high risk roads in the Millicoma Tree Farm.

Project Ref	Grantee	Project Name	State
OWEB 201-613	OWEB	Land Acquisitions in the West Eugene Wetlands	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	--31-JUL-02	Salmon Habitat Protection and Restoration	$0	$500,000	Willamette

Project Description

The West Eugene Wetlands Partnership proposes to acquire 216 acres of wetland and associated upland habitat in the West Eugene Wetlands to benefit water quality, provide natural flood control, restore priority declining habitats and benefit 5 federally-listed T&E species and 34 candidate or sensitive species. OWEB funds would be used solely for acquisition.

Project Ref	Grantee	Project Name	State
OWEB 201-613A	OWEB	Appraisal West Eugene Wetlands	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	--31-JUL-02	Salmon Habitat Protection and Restoration	$0	$2,260	Willamette

Project Description

Appraisal for the West Eugene Wetlands.

Project Ref	Grantee	Project Name	State
OWEB 201-619	OWEB	Arboretum Habitat Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	24-JUN-02-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$142,336	Willamette

Project Description

The Friends of Delbert Hunter propose a demonstration project involving stream bank re-grading, planting, and installation of engineered log jams to address bank instability and the need to trap spawning gravels, provide stream complexity and develop fish habitat. The project is along Rickreall Creek where it flows through the Delbert Hunter Arboretum in the City of Dallas. OWEB funds would be used for coordination, project construction, equipment rental, logs, plants and supplies.

Project Ref	Grantee	Project Name	State
OWEB 201-638	OWEB	Shenk WS Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	09-SEP-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$268,875	Willamette

Project Description

Ducks Unlimited, Inc. proposes restoration of seasonal wetlands, riparian forest buffers and oak woodland/savannah adjacent to the South Yamhill River to improve habitat, improve stream flows, and demonstrate restoration practices. OWEB funds would be used for tree planting, native grass seeding, drain tile removal, excavation, berm construction and water control structures.

Project Ref	Grantee	Project Name	State
OWEB 201-639	OWEB	Cedar Creek Riparian Improvement #1	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	10-JAN-03-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$45,067	Lower Columbia

Project Description

The Sandy River Basin Watershed Council proposes habitat improvement in the Cedar Creek watershed primarily through riparian vegetation planting and fencing. The council will conduct outreach to landowners to encourage participation. OWEB funds would be used for project management, travel, tree planting, fence construction, materials and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 201-640	OWEB	Historic Coyote Creek Bottomland Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	23-JUL-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$12,158	Willamette

Project Description

The Long Tom Watershed Council proposes restoration of riparian bottomland hardwood forest along an historic branch of Coyote Creek. The project also includes blackberry eradication, planting of native prairie seed, and monitoring of amphibians, birds/wildlife, and planting success. OWEB funds would be used for mowing, herbicide application, trees, shrubs, planting supplies and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 201-642	OWEB	Bergey Wetland Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	17-JUN-02-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$59,506	Willamette

Project Description

East Lane SWCD and the Long Tom Watershed Council propose restoration of a farmed wetland to wet prairie, emergent wetland and oak savanna. OWEB funds would be used for project management, herbicide application, purchase and planting of trees and shrubs, planting supplies, water control structures, and water quality lab analysis.

Project Ref	Grantee	Project Name	State
OWEB 201-645	OWEB	Vincent Creek & Sarah's Run WS Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	18-JUN-02-21-JUL-03	Salmon Habitat Protection and Restoration	$0	$33,798	Willamette

Project Description

A landowner along Vincent Creek proposes a project that includes riparian planting, reforesting adjacent land, improving degraded wetlands, replacing fish barrier culverts, resurfacing roads and improving wildlife habitat. OWEB funds would be used for riparian reforestation, culverts, rock and equipment rental.

Project Ref	Grantee	Project Name	State
OWEB 201-648	OWEB	Yamhill Basin Landowner Conservation Plan Implementation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	07-JUN-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$10,786	Willamette

Project Description

The Yamhill Soil & Water Conservation District proposes a program of technical assistance to implement conservation practices covering 2400+ acres with 18 landowners in the Yamhill Basin. OWEB funds would be used to hire a Resource Conservationist, office rental and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 201-648A	OWEB	Yamhill Basin Landowner Conservation Plan Implementation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	07-JUN-02-30-JUN-04	Salmon Habitat Protection and Restoration	$78,140	$0	Willamette

Project Description

Same as 201-648. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-658	OWEB	Lower Evans Creek Bridge & Culvert Replacement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	09-JUL-02-17-NOV-03	Salmon Habitat Protection and Restoration	$0	$15,750	Middle Columbia

Project Description

Evans Creek is utilized by winter steelhead, resident trout and coho salmon. This project would replace a culvert with a bridge to remove the passage barrier at rivermile 1.3 and open up eight miles of historical habitat. OWEB funds would pay for site analysis and design engineering with secured BPA funding for the actual removal and construction.

Project Ref	Grantee	Project Name	State
OWEB 201-663	OWEB	Trapper Creek Stream Restoration Phase I	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	24-JUN-02-30-DEC-03	Salmon Habitat Protection and Restoration	$0	$51,000	Deschutes

Project Description

Trapper Creek provides spawning habitat for an isolated bull trout population. The creek has been straightened and modified since the 1930's. This project would restore channel habitat complexity, hydrologic function and floodplain access, increasing the bull trout habitat beyond the four percent that exists today. OWEB funds would primarily be used for contracted service and materials.

Project Ref	Grantee	Project Name	State
OWEB 201-666	OWEB	Lakeside Farms	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	08-JUL-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$42,000	Klamath

Project Description

This project would take one quarter (91 acres) of a farm and create a natural treatment wetland for storm water from urban development and agricultural water. The wetlands will remove suspended solids, phosphorus, nitrogen, pesticides and urban pollutants before the water is pumped into Klamath Lake.

Project Ref	Grantee	Project Name	State
OWEB 201-669	OWEB	Upper Crooked River Weed Management Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-JUL-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$19,948	Deschutes

Project Description

This project will fund a coordinator who will implement an integrated weed management strategy including initial and follow-up treatments, and administer the ODA cost-share grants to involved landowners for noxious weed treatments in the Upper Crooked River basin.

Project Ref	Grantee	Project Name	State
OWEB 201-670	OWEB	McKay Cr Stream Restoration & Natural Channel Establishment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	29-AUG-02-29-JUL-03	Salmon Habitat Protection and Restoration	$0	$19,875	Deschutes

Project Description

This project re-establishes historic channel conditions, i.e., width/depth ratios and meander pattern, creates instream habitat structures and constructs riparian fencing and revegetates a portion of McKay Creek, a tributary of in the the Crooked River basin.

Project Ref	Grantee	Project Name	State
OWEB 201-671	OWEB	McKay Creek Riparian Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	29-AUG-02-30-DEC-03	Salmon Habitat Protection and Restoration	$0	$44,450	Deschutes

Project Description

This project would provide juniper bioengineering and rock barb deflectors to help protect eroding banks and will replace an existing bridge with a open-bottom steel arch culvert that will allow flood flows to pass through. The instream structure will create pool habitat in McKay Creek, a tributary in the Crooked River basin.

Project Ref	Grantee	Project Name	State
OWEB 201-672	OWEB	Mill Cr Stream Enhancement (Bauersfeld)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-OCT-02-29-JUL-03	Salmon Habitat Protection and Restoration	$0	$8,962	Deschutes

Project Description

This project would place large wood (logs and rootwads) and boulders to add scour pools along the edge of the channel to improve habitat complexity for resident redbank trout. Old dikes will be leveled to allow the stream to reconnect to its floodplain during high flows.

Project Ref	Grantee	Project Name	State
OWEB 201-673	OWEB	Riparian Protection & Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	17-AUG-02-26-NOV-03	Salmon Habitat Protection and Restoration	$0	$15,645	Deschutes

Project Description

This project will treat three sites at three different stream locations. Riparian fencing will be installed on a .5, 2 and 4 mile reach of stream segments and riparian plantings. Additonally armored rock gap will be placed in conjunction with the fencing on the first site. OWEB funds will be used to buy materials.

Project Ref	Grantee	Project Name	State
OWEB 201-682	OWEB	St Clair Ranch Rosebud Cr Improvements	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	18-JUN-02-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$33,235	John Day

Project Description

The project proposes to install 3.0 miles of 4-strand barbed-wire fence to create upland and riparian pastures; install 2 shallow wells as an alternate source of livestock water; control 173 acres of whitetop and reseed areas with perennial grasses including crested wheatgrass, dryland alfalfa, Sherman big bluegrass, basin wildrye and Whitmar beardless bluebunch wheatgrass. OWEB funds are requested for fencing materials/installation (31%), well drilling/livestock water (23%), seed/seedbed preparation (35%), permits and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-683	OWEB	Bridge Cr Water Measuring Device Installations	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	10-JUN-02-30-JUN-03	Salmon Habitat Protection and Restoration	$0	$5,212	John Day

Project Description

This proposal seeks funding to install 11 ramp-flume water-measuring devices in irrigation ditches within the subbasin. Streamflows in Bridge Creek could be augmented at times and in certain reaches as a result of better water management and distribution. OWEB funds are requested for ramp flumes (87%), materials (4%) and administration (9%).

Project Ref	Grantee	Project Name	State
OWEB 201-684	OWEB	Brooks - West Branch of Brdg Cr Diversion Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	13-JUL-02-30-JUN-03	Salmon Habitat Protection and Restoration	$0	$57,693	John Day

Project Description

This project proposes to line 8,100' of earthen ditches with 10" PVC gated pipe and 1,320' of earthen ditches with 8" PVC pipe. The landowner will enroll in the Conserved Water Program, returning a portion of the water into Bridge Creek. Two gravel push-up diversions will be replaced with fish friendly alternatives on the West Branch and measuring devices will also be installed. OWEB funds are requested for equipment rental/mobilization (15%), PVC pipe (50%), materials (22%), administration and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 201-685	OWEB	Skookum/Little Wall Riparian Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	06-AUG-02-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$69,418	John Day

Project Description

The project proposes to construct 23 miles of riparian fencing along Skookum and Little Wall Creeks, tributaries to Wall Creek. A portion of this fence will connect to existing natural barriers and replace existing dilapidated woven-wire sheep fence and an impediment to wildlife migration. Riparian areas in the Skookum-Little Wall Watershed will be excluded from grazing when completed. OWEB funds are requested for fencing (90%) and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-686	OWEB	No/Middle Forks John Day WS Noxious Weed Control	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	27-JUN-02-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$45,682	John Day

Project Description

An aggressive noxious weed control program will continue within the North & Middle Fork of the John Day basin. Efforts began in 2001 on private lands and this will allow landowners to better control noxious weeds using both chemical and biological control measures on approximately 2,600 acres. Weeds of concern include leafy spurge, yellow starthistle, Dalmatian toadflax, knapweeds, loosestrife and others. OWEB funds are requested for chemical application (88%), biological control (3%) and administration (9%).

Project Ref	Grantee	Project Name	State
OWEB 201-687	OWEB	Meyer Lewis Irrigation Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	24-OCT-02-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$72,371	Lower Snake

Project Description

The project proposes to combine 3 irrigation diversions into 1; eliminate 2 fish passage barriers; convert open ditches into buried pipeline; and install a rock weir, measuring device and an ODFW-approved fish screen. The project is located on Mill Creek, a steelhead spawning tributary. OWEB funds are sought for the pipeline (89%), administration and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 201-690	OWEB	Fizz Springs Baker County Parks	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	25-JUN-02-31-DEC-02	Salmon Habitat Protection and Restoration	$0	$12,953	Middle Snake-Powder

Project Description

The project proposes to develop Fizz Spring, pipe the water into a tank, fence the surrounding area, pipe it to a second tank for livestock access, install large wood, plant trees and protect them with additional fencing. The access road will be improved by shaping and graveling. OWEB funds are requested for spring development/ fencing/tanks (55%), road improvements (17%), large woody debris placement (2%), consultant/mileage (8%), and signs, administration and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 201-692	OWEB	Little Antone Creek Wilson Family Ranches	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	17-JUL-02-23-DEC-02	Salmon Habitat Protection and Restoration	$0	$6,104	Middle Snake-Powder

Project Description

This 3-phase project will restore fish passage on Little Antone Creek by replacing an existing round culvert which does not meet fish passage or flow standards with a squashed-bottom culvert, install drainage structures on a road which parallels the stream and install a culvert where spring water crosses the road. OWEB funds are requested for pipe and installation (32%), road shaping (34%), technical assistance (23%) and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-693	OWEB	Jackie Butte Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-29-OCT-03	Salmon Habitat Protection and Restoration	$0	$293,828	Middle Snake-Boise

Project Description

Project proposes to install 24 miles of HDPE pipe which will be gravity-fed from 2 proposed 30,000 gallon vertical water storage tanks on 220,000 acres to 14-3,250-gallon tanks. The project will improve wildlife habitat and provide water for various wildlife species. OWEB funds are requested for pipe & installation (72%), storage tanks, troughs, transportation (20%), pumps, generator, fuser (7%).

Project Ref	Grantee	Project Name	State
OWEB 201-694	OWEB	Willow Creek E-coli Reduction Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	10-JUN-02-02-JUN-03	Salmon Habitat Protection and Restoration	$0	$10,279	Middle Snake-Boise

Project Description

This project involves aerating pasture land and other cropland to increase infiltration rates and reduce surface runoff from irrigation and storm events from entering Willow Creek. Lower Willow Creek contains 27,000 acres of concentrated farmland which will be aerated using the aerator/cultivator. OWEB funds are requested for aerator (91%) and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-695	OWEB	Adendum to Luther Constructed Wetland Grant #200-175	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	17-JUN-02-15-JUL-03	Salmon Habitat Protection and Restoration	$0	$21,000	Middle Snake-Boise

Project Description

Due to an overestimation of available water from the drain canal in the original survey, additional funding is needed to install a pump and pipeline system to supply the constructed wetland. The engineering estimate for earthwork has increased from 18,000 cubic yards to 20,000 cubic yards. OWEB funds are requested for engineering (21%), 15" pipe (55%), pumping plant (11%) and additional cubic yards of material (13%).

Project Ref	Grantee	Project Name	State
OWEB 201-697	OWEB	Baker Irrigation Efficiency Walla Walla River	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-JUL-02-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$26,500	Middle Columbia

Project Description

The project seeks cost-share funding to convert 24.1 acres of flood-irrigated orchard to a permanent pumped mainline and lateral sprinkler system. The water savings will be protected instream as part of the conserved water program. An estimated .3 cfs instream water right will be created with 1865, 1890 and 1905 dates attached. OWEB funds are requested for irrigation pipe and pump materials (91%) and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-701	OWEB	Sackos Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	10-SEP-02-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$77,565	Middle Snake-Powder

Project Description

The project will restore 3 former meanders of the Powder River, restore the Powder River through levee removal, restore 3 wetlands, install a fish screen and fish-passage structure on Willow Creek and restore riparian habitat along the Powder River and Willow Creek. The project will improve water quality, summer flows, floodplain interaction and riparian vegetation. OWEB funds are requested for personnel (25%), berm installation/excavation/riprap/rootwads (36%), water monitoring (19%), vegetation (9%), water-control structures (6%) and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-702	OWEB	Beagle Creek Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-FEB-03-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$14,060	Middle Snake-Powder

Project Description

One mile of a channelized and incised section of Beagle Creek will be restored and enhanced by installing livestock exclusion fencing, filling drainage ditches to restore wet-meadow habitat, install fish friendly culverts, construct wildlife ponds and tree planting. This section of stream was ditched in the 1970's and has been subsequently downcutting. OWEB funds are requested for DU wages (5%), culverts/channel construction/ditch filling(71%), administration and water quality monitoring (28%).

Project Ref	Grantee	Project Name	State
OWEB 201-704	OWEB	Umatilla Co Forest Restoration & Fuels Reduction Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	25-JUN-02-30-JUN-05	Salmon Habitat Protection and Restoration	$0	$72,900	Middle Columbia

Project Description

Cost-share assistance is sought for non-industrial forest landowners to complete precommercial thinning and slash abatement practices. Treating 400 acres will increase the forest health and reduce the threat of catastrophic wildfire. OWEB funds are requested precommercial thinning (46%); slash treatment (45%) and administration and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 201-705	OWEB	Rock & Pine Cr Sediment Reduction & Road Improvement Proj	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-AUG-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$42,606	Middle Columbia

Project Description

The project proposes to obliterate 5 segments of streamside forest road (9,100'); construct 600' of new road; reconstruct 8,600' of upslope road for alternative access, repair and deepen 2 existing ponds and rock the approaches. OWEB funds are requested for equipment rental/move-in (21%), rock/placement (61%); culverts/fencing (8%) and administration/monitoring.

Project Ref	Grantee	Project Name	State
OWEB 201-706	OWEB	Fox Creek Riparian Fencing & Planting Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	22-JUL-02-08-DEC-03	Salmon Habitat Protection and Restoration	$0	$12,209	Middle Snake-Powder

Project Description

Through a partnership of various entities, the applicant proposes to install 7 miles of fencing and riparian vegetation to enhance water quality along Fox Creek, a tributary to the Snake River. A total of 758 acres will be excluded from livestock grazing. All the OWEB-requested funds will be used for fencing.

Project Ref	Grantee	Project Name	State
OWEB 201-707	OWEB	GI Ranch Bridge Creek Diversion Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	25-JUN-02-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$4,950	John Day

Project Description

A gravel push-up dam will be replaced with a permanent fish-friendly precast concrete structure. Other project components include installing a headgate, a flow-measuring device and a fish screen. OWEB funds are sought for equipment rental/freight (22%), materials (63%), engineering (4%) and administration/monitoring (10%).

Project Ref	Grantee	Project Name	State
OWEB 201-708	OWEB	Buhler Fence & Water Development	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-SEP-03-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$42,500	Lower Snake

Project Description

The project proposes to develop 6 springs by installing spring boxes, pipelines and troughs and will fence the water sources from livestock access. In addition, 4 ponds will be developed and fenced and 7,600' of cross-fence installed. OWEB funds are requested for materials and installation (98%) and administration/monitoring (2%).

Project Ref	Grantee	Project Name	State
OWEB 201-711	OWEB	Kopp Ranches Butter Cr Range & Riparian Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	10-JUL-02-21-JAN-04	Salmon Habitat Protection and Restoration	$0	$14,297	Middle Columbia

Project Description

The project will install 2,600' of riparian fencing along Web Slough, 2,500' of pipeline and 3 spring developments. There are now over 100,000 acres participating in the Butter Creek Range and Riparian Enhancement Project. OWEB funds are requested for spring developments (61%), fencing (21%), technical assistance (8%) and administration and monitoring.

Project Ref	Grantee	Project Name	State
OWEB 201-730	OWEB	Chewaucan culvert project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	23-SEP-02-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$232,000	Oregon Closed Basins

Project Description

Replacement of 5 culverts to provide fish passage from Revers End Ranch reservoir upstream to the headwaters of the Chewaucan River. This will also accommodate a 100 year flood event.

Project Ref	Grantee	Project Name	State
OWEB 201-900	OWEB	OWEB Small Grant Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	16-JAN-02-30-JUN-03	Salmon Habitat Protection and Restoration	$0	$1,400,000	Willamette

Project Description

OWEB Small Grant Program

Project Ref	Grantee	Project Name	State
OWEB 201-900A	OWEB	OWEB Small Grant Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	16-JAN-02-30-JUN-03	Salmon Habitat Protection and Restoration	$0	$1,400,000	Klamath

Project Description

OWEB Small Grant Program

Project Ref	Grantee	Project Name	State
OWEB 201-901	OWEB	OWEB CREP Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	16-JAN-02-26-DEC-03	Salmon Habitat Protection and Restoration	$0	$800,000	Willamette

Project Description

OWEB CREP Program

Project Ref	Grantee	Project Name	State
OWEB 201-906	OWEB	ODA Small Grant Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-SEP-01-30-JUN-03	Salmon Habitat Protection and Restoration	$0	$220,000	Willamette

Project Description

Oregon Dept of Agriculture

Project Ref	Grantee	Project Name	State
OWEB 200-009	OWEB	Nehalem WS Health Equals Riparian Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	07-MAR-01-31-AUG-03	Salmon Habitat Protection and Restoration	$0	$51,480	Northern Oregon Coastal

Project Description

The Upper Nehalem Watershed Council is proposing to continue restoration and monitoring activities in the Nehalem Watershed. Funds will be used for costs of labor and to purchase tools, equipment and supplies needed to continue ecosystem work force project development activities. Project activities include installation of : riparian fencing, off-channel livestock watering stations, riparian forest plantings and erosion control systems.

Project Ref	Grantee	Project Name	State
OWEB 200-010	OWEB	Little N Fork Nehalem Habitat	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	02-APR-01-21-AUG-02	Salmon Habitat Protection and Restoration	$0	$20,427	Northern Oregon Coastal

Project Description

This project is a continuation of work that was begun in 1995 with the placement of 12 trees into stream channel and includes: placing large wood into the stream channel and into the floodplain; improving fish passage on tributaries and improving riparian conditions of the Little North Fork Nehalem River. The goal is to increase the diversity and complexity of summer and winter stream habitat.

Project Ref	Grantee	Project Name	State
OWEB 200-013	OWEB	NF Alsea Fish Ladder Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	08-AUG-01-11-MAR-03	Salmon Habitat Protection and Restoration	$0	$140,444	Northern Oregon Coastal

Project Description

This is a cooperative project between the Mid-Coast Watershed Council and Oregon Department of Fish & Wildlife to rebuild and operate the now defunct fish ladder on a diversion dam on the North Fork Alsea River.

Project Ref	Grantee	Project Name	State
OWEB 200-014	OWEB	Wolf Creek Stream Habitat Improvement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	16-APR-01-07-JUN-02	Salmon Habitat Protection and Restoration	$0	$9,218	Northern Oregon Coastal

Project Description

The project proposes to add large and small woody debris at 18 sites on Oregon Department of Forestry ownership in the Wolf Creek Basin. Large wood configurations will attempt to simulate natural debris jams and will be located in areas where wood typically accumulates.

Project Ref	Grantee	Project Name	State
OWEB 200-015	OWEB	Nye/Fall Creek Habitat Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	14-MAR-01-21-JAN-03	Salmon Habitat Protection and Restoration	$0	$14,027	Northern Oregon Coastal

Project Description

This project proposes to return Nye Creek to its historic channel by breaching two dikes at an existing settling/farm pond and improve the riparian area for 1 mile of Fall Creek. The riparian area will be planted .

Project Ref	Grantee	Project Name	State
OWEB 200-016	OWEB	Upper Deadwood Creek Fishery Habatat Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	13-JUN-01-11-DEC-02	Salmon Habitat Protection and Restoration	$0	$182,000	Willamette

Project Description

This project would place approximately 300 mature conifer trees in the headwaters of Deadwood Creek to enhance anadromous fish habitat. The project would treat 12 miles of creek on both private (5 miles) and public lands (7 miles).

Project Ref	Grantee	Project Name	State
OWEB 200-017	OWEB	NF Wolf Creek Fish Habitat Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-MAR-01-25-NOV-02	Salmon Habitat Protection and Restoration	$0	$8,750	Northern Oregon Coastal

Project Description

This project will place whole uprooted trees in the lower reach of the North Fork of Wolf Creek a major tributary of the upper Nehalem River. This wood will be wedged into riparian trees or placed so that a portion of the trunk extents into the flood plain to stabilize it.

Project Ref	Grantee	Project Name	State
OWEB 200-019	OWEB	2001 Tillamook County WS Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	08-MAY-01-30-APR-02	Salmon Habitat Protection and Restoration	$0	$99,000	Northern Oregon Coastal

Project Description

This project provides on-the-ground assistance by an experienced crew of restoration workers of Tillamook County landowners in implementing resource management plans, water quality plans and watershed council action plans designed to improve water quality and salmon habitat.

Project Ref	Grantee	Project Name	State
OWEB 200-021	OWEB	Skipanon River Dam Retrofit	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	27-MAR-01-09-APR-03	Salmon Habitat Protection and Restoration	$0	$11,722	Lower Columbia

Project Description

This project seeks to modify the tide gate/dam structure at 8th Street in Warrenton to improve fish passage, estuarine habitat and water quality on the Skipanon River in Clatsop County. The request is asking for additional funds to finish the project awarded previously.

Project Ref	Grantee	Project Name	State
OWEB 200-048	OWEB	Horse Intensive use Demo	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-01-04-FEB-02	Salmon Habitat Protection and Restoration	$3,256	$0	Southern Oregon Coastal

Project Description

This project builds off of a very successful public workshop. The project will develop a demonstration of water quality protection techniques associated with a grazing management strategy for small acreage horse pastures.

Project Ref	Grantee	Project Name	State
OWEB 200-060	OWEB	Umpqua Basin Riparian Fencing/ Planting Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	27-JUN-01-30-JAN-03	Salmon Habitat Protection and Restoration	$0	$16,921	Southern Oregon Coastal

Project Description

The local ODFW office obtained funding from the Restoration & Enhancement Program on three different occasions during the past several years. With these funds, Landowners have completed over 30 miles of riparian fence-line. This has worked very well, but there are many more riparian areas that need to be addressed by the installation of riparian fencing to exclude livestock and by planting native vegetation. Also, 15-year maintenance agreements will be set up with landowners to help ensure project success.

Project Ref	Grantee	Project Name	State
OWEB 200-062A	OWEB	Phase 1 - Technical Support (200-062)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-FEB-01-01-OCT-03	Salmon Habitat Protection and Restoration	$0	$369,890	Southern Oregon Coastal

Project Description

Phase 2, Summary in 200-062.

Project Ref	Grantee	Project Name	State
OWEB 200-062B	OWEB	Phase 1 - Webb Ditch	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	30-JAN-01-13-OCT-01	Salmon Habitat Protection and Restoration	$0	$20,000	Southern Oregon Coastal

Project Description

This project seeks to improve anadromous fish passage at artificial barriers identified in the Prioritized Fish Passage Barrier List and Strategic Plan for the Rogue Basin. See attachments 1 and 2. Projects cited have been recommended by the Rogue Basin Fish Access Team (RBFAT) and accepted by the voting members of the Rogue Basin Coordinating Council (RBCC) or have been requested by watershed councils needing technical and/or financial help on specific fish passage barriers.

Project Ref	Grantee	Project Name	State
OWEB 200-062C	OWEB	Phase 1 - IPOD/White/Lewis/Redlands Ditch	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	26-NOV-01-01-OCT-03	Salmon Habitat Protection and Restoration	$0	$131,110	Southern Oregon Coastal

Project Description

This project seeks to improve anadromous fish passage at artificial barriers identified in the Prioritized Fish Passage Barrier List and Strategic Plan for the Rogue Basin. See attachments 1 and 2. Projects cited have been recommended by the Rogue Basin Fish Access Team (RBFAT) and accepted by the voting members of the Rogue Basin Coordinating Council (RBCC) or have been requested by watershed councils needing technical and/or financial help on specific fish passage barriers.

Project Ref	Grantee	Project Name	State
OWEB 200-062D	OWEB	Phase 1 - Lower Alphonso	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	25-OCT-01-01-OCT-03	Salmon Habitat Protection and Restoration	$0	$2,500	Southern Oregon Coastal

Project Description

This project seeks to improve anadromous fish passage at artificial barriers identified in the Prioritized Fish Passage Barrier List and Strategic Plan for the Rogue Basin. See attachments 1 and 2. Projects cited have been recommended by the Rogue Basin Fish Access Team (RBFAT) and accepted by the voting members of the Rogue Basin Coordinating Council (RBCC) or have been requested by watershed councils needing technical and/or financial help on specific fish passage barriers.

Project Ref	Grantee	Project Name	State
OWEB 200-062E	OWEB	Phase 1 - Hanley South	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	25-OCT-01-25-AUG-03	Salmon Habitat Protection and Restoration	$0	$76,937	Southern Oregon Coastal

Project Description

This project seeks to improve anadromous fish passage at artificial barriers identified in the Prioritized Fish Passage Barrier List and Strategic Plan for the Rogue Basin. See attachments 1 and 2. Projects cited have been recommended by the Rogue Basin Fish Access Team (RBFAT) and accepted by the voting members of the Rogue Basin Coordinating Council (RBCC) or have been requested by watershed councils needing technical and/or financial help on specific fish passage barriers.

Project Ref	Grantee	Project Name	State
OWEB 200-062F	OWEB	Phase 1 - Bieberstedt	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	25-OCT-01-26-DEC-03	Salmon Habitat Protection and Restoration	$0	$20,500	Southern Oregon Coastal

Project Description

This project seeks to improve anadromous fish passage at artificial barriers identified in the Prioritized Fish Passage Barrier List and Strategic Plan for the Rogue Basin. See attachments 1 and 2. Projects cited have been recommended by the Rogue Basin Fish Access Team (RBFAT) and accepted by the voting members of the Rogue Basin Coordinating Council (RBCC) or have been requested by watershed councils needing technical and/or financial help on specific fish passage barriers.

Project Ref	Grantee	Project Name	State
OWEB 200-062G	OWEB	Phase 1 - Little Butte Mill Dam	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	25-OCT-01-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$52,500	Southern Oregon Coastal

Project Description

This project seeks to improve anadromous fish passage at artificial barriers identified in the Prioritized Fish Passage Barrier List and Strategic Plan for the Rogue Basin. See attachments 1 and 2. Projects cited have been recommended by the Rogue Basin Fish Access Team (RBFAT) and accepted by the voting members of the Rogue Basin Coordinating Council (RBCC) or have been requested by watershed councils needing technical and/or financial help on specific fish passage barriers.

Project Ref	Grantee	Project Name	State
OWEB 200-062H	OWEB	Phase 1 - Moser Ditch	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	25-OCT-01-01-OCT-03	Salmon Habitat Protection and Restoration	$0	$10,500	Southern Oregon Coastal

Project Description

This project seeks to improve anadromous fish passage at artificial barriers identified in the Prioritized Fish Passage Barrier List and Strategic Plan for the Rogue Basin. See attachments 1 and 2. Projects cited have been recommended by the Rogue Basin Fish Access Team (RBFAT) and accepted by the voting members of the Rogue Basin Coordinating Council (RBCC) or have been requested by watershed councils needing technical and/or financial help on specific fish passage barriers.

Project Ref	Grantee	Project Name	State
OWEB 200-062I	OWEB	Phase 1 - Elliot	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	25-OCT-01-01-OCT-03	Salmon Habitat Protection and Restoration	$0	$10,500	Southern Oregon Coastal

Project Description

This project seeks to improve anadromous fish passage at artificial barriers identified in the Prioritized Fish Passage Barrier List and Strategic Plan for the Rogue Basin. See attachments 1 and 2. Projects cited have been recommended by the Rogue Basin Fish Access Team (RBFAT) and accepted by the voting members of the Rogue Basin Coordinating Council (RBCC) or have been requested by watershed councils needing technical and/or financial help on specific fish passage barriers.

Project Ref	Grantee	Project Name	State
OWEB 200-062J	OWEB	Phase 1 - Houck Gorge	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	26-NOV-01-01-OCT-03	Salmon Habitat Protection and Restoration	$0	$103,000	Southern Oregon Coastal

Project Description

This project seeks to improve anadromous fish passage at artificial barriers identified in the Prioritized Fish Passage Barrier List and Strategic Plan for the Rogue Basin. See attachments 1 and 2. Projects cited have been recommended by the Rogue Basin Fish Access Team (RBFAT) and accepted by the voting members of the Rogue Basin Coordinating Council (RBCC) or have been requested by watershed councils needing technical and/or financial help on specific fish passage barriers.

Project Ref	Grantee	Project Name	State
OWEB 200-062K	OWEB	Phase 1 - Morey Fish Passage	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	26-NOV-01-01-OCT-03	Salmon Habitat Protection and Restoration	$0	$103,000	Southern Oregon Coastal

Project Description

This project seeks to improve anadromous fish passage at artificial barriers identified in the Prioritized Fish Passage Barrier List and Strategic Plan for the Rogue Basin. See attachments 1 and 2. Projects cited have been recommended by the Rogue Basin Fish Access Team (RBFAT) and accepted by the voting members of the Rogue Basin Coordinating Council (RBCC) or have been requested by watershed councils needing technical and/or financial help on specific fish passage barriers.

Project Ref	Grantee	Project Name	State
OWEB 200-062L	OWEB	Phase 1 - Smiths Culvert	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	25-OCT-01-01-OCT-03	Salmon Habitat Protection and Restoration	$0	$21,000	Southern Oregon Coastal

Project Description

This project seeks to improve anadromous fish passage at artificial barriers identified in the Prioritized Fish Passage Barrier List and Strategic Plan for the Rogue Basin. See attachments 1 and 2. Projects cited have been recommended by the Rogue Basin Fish Access Team (RBFAT) and accepted by the voting members of the Rogue Basin Coordinating Council (RBCC) or have been requested by watershed councils needing technical and/or financial help on specific fish passage barriers.

Project Ref	Grantee	Project Name	State
OWEB 200-062	OWEB	Phase 1 - Lower Rogue	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	25-OCT-01-05-DEC-03	Salmon Habitat Protection and Restoration	$0	$68,000	Southern Oregon Coastal

Project Description

This project seeks to improve anadromous fish passage at artificial barriers identified in the Prioritized Fish Passage Barrier List and Strategic Plan for the Rogue Basin. See attachments 1 and 2. Projects cited have been recommended by the Rogue Basin Fish Access Team (RBFAT) and accepted by the voting members of the Rogue Basin Coordinating Council (RBCC) or have been requested by watershed councils needing technical and/or financial help on specific fish passage barriers.

Project Ref	Grantee	Project Name	State
OWEB 200-062N	OWEB	Redlands Ditch	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	28-MAY-02-01-OCT-03	Salmon Habitat Protection and Restoration	$0	$10,000	Southern Oregon Coastal

Project Description

This project seeks to improve anadromous fish passage at artificial barriers identified in the Prioritized Fish Passage Barrier List and Strategic Plan for the Rogue Basin. See attachments 1 and 2. Projects cited have been recommended by the Rogue Basin Fish Access Team (RBFAT) and accepted by the voting members of the Rogue Basin Coordinating Council (RBCC) or have been requested by watershed councils needing technical and/or financial help on specific fish passage barriers.

Project Ref	Grantee	Project Name	State
OWEB 200-063	OWEB	Ditch Stock Water- UBWC	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	27-JUN-01-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$3,999	Southern Oregon Coastal

Project Description

This project provides alternative stock water to two landowners who have fenced livestock from Wood, Windy and Quines Creeks.

Project Ref	Grantee	Project Name	State
OWEB 200-068	OWEB	Horse Heaven Creek Instream Large Wood Placement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	06-MAR-01-08-OCT-01	Salmon Habitat Protection and Restoration	$0	$93,000	Southern Oregon Coastal

Project Description

The Horse Heaven Creek Instream Wood Placement Project proposes to place 250 pieces of large wood (avg 40' in length and 24" in diameter, 30% with rootwads attached) in 4 miles of Umpqua Basin cutthroat and Summer and Winter steelhead bearing stream. Wood would be place using a large heavy-lift helicopter in order to minimize riparian disturbance. Logs would be placed so as to mimic natural jams and wood accumulation within the stream channel.

Project Ref	Grantee	Project Name	State
OWEB 200-069	OWEB	Upper Smith Salmon Restoration, Phase 2	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	18-JUL-01-20-JAN-03	Salmon Habitat Protection and Restoration	$0	$441,835	Southern Oregon Coastal

Project Description

Upper Smith Salmon Restoration, Phase 2 Strategic, Collaborative Restoration with a multi-faceted and multi-year design. Major Components: Fish Passage/High Risk Culvert Replacements; Road Treatments and Decommissioning to reduce risk; Instream Structures; fell, pull, or place large trees instream, combination LWD/Boulder Placement; Riparian pasture conversion to conifer; ODFW stream habitat surveys to monitor progress at the sub-watershed scale; Monitor 25 Selected sites; and Macroinvertebrate sample.

Project Ref	Grantee	Project Name	State
OWEB 200-070	OWEB	Middle Rogue Forest Health Initiative	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	13-FEB-01-30-JUN-03	Salmon Habitat Protection and Restoration	$0	$68,708	Southern Oregon Coastal

Project Description

The Middle Rogue Forest Health Initiative will foster forest stewardship by providing private landowners with information on forestry management and practices to improve forest health to provide sustainable forest resources. Management practices will include: reforestation, density management (thinning), fuels reduction, removal of undesirable vegetation, erosion control, riparian planting, and implement forest stewardship plans. Project evaluation and monitoring will conducted over a 5 year period by Oregon Dept. of Forestry, Josephine SWCD and Middle Rogue Watershed Association.

Project Ref	Grantee	Project Name	State
OWEB 200-072	OWEB	Cherry Creek Instream Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUL-01-17-DEC-01	Salmon Habitat Protection and Restoration	$0	$15,490	Southern Oregon Coastal

Project Description

This proposed project will construct approximately 10 full-channel spanning boulder weirs and several rock barbs within Cherry Creek. A tributary to the North Fork Coquille River. Cherry Creek was splash dammed in the past, leaving the streambed devoid of gravel, large woody debris and structure for fish habitat. Cherry Creek is a core area for coho salmon, and also serves as habitat for Chinook salmon, and steelhead.

Project Ref	Grantee	Project Name	State
OWEB 200-073	OWEB	Bear Creek Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-MAY-01-19-JUN-03	Salmon Habitat Protection and Restoration	$0	$136,405	Southern Oregon Coastal

Project Description

This project will construct approximately 10 miles of riparian livestock exclusion fencing along both sides of Bear Creek, a tributary to the Mainstem Coquille River.

Project Ref	Grantee	Project Name	State
OWEB 200-077	OWEB	Applegate River Riparian Restoration project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	14-FEB-01-08-OCT-03	Salmon Habitat Protection and Restoration	$0	$113,900	Willamette

Project Description

The Applegate River Watershed Council proposes to expand its Tree planting Program into a more comprehensive Riparian Restoration Program. Over the next two years, we will plant 36,000 native trees & shrubs, remove two miles of exotic Himalayan blackberries (Rubus discolor) and restore native vegetation at these site, & develop and implement grazing mgmt plans with landowners which will include two miles of riparian or cross fencing. Volunteers will propagate 90% of the deciduous material at federal facilities.

Project Ref	Grantee	Project Name	State
OWEB 200-078	OWEB	Evans Creek Fish Passage	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	16-FEB-01-30-JUN-04	Salmon Habitat Protection and Restoration	$0	$76,000	Middle Columbia

Project Description

The Middle Fork Irrigation District will remove 2 fish passage barriers and diversion from Evans Creek and end the inter-basin transfer of glacial silt into the Creek. The District proposes to construct 5 miles of pipeline connecting into their piped delivery system, and eliminate Evans Creek as a water supply conveyance. The project will restore access to 2.5 miles of winter steelhead and coho salmon habitat, eliminate inadequate fish screens and restore clear water to 5.5 miles of Evans Creek.

Project Ref	Grantee	Project Name	State
OWEB 200-082B	OWEB	Long Tom WS Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	09-MAR-01-31-JUL-03	Salmon Habitat Protection and Restoration	$0	$110,724	Willamette

Project Description

This project will: 1) continue and refine the council's water quality monitoring program; 2) implement a set of demonstration projects around the watershed to: a) restore a historic river segment on private land, b) widen an urban section of Amazon Creek and plant the riparian area; 3) enable the completion of plans for next round of projects; 4) initiate a process by which the Council ecologically prioritizes future restoration projects to build part of our Watershed Conservation Plan.

Project Ref	Grantee	Project Name	State
OWEB 200-100	OWEB	Land Acquisition West Eugene Wetlands	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	10-SEP-01-10-SEP-01	Salmon Habitat Protection and Restoration	$0	$900,000	Willamette

Project Description

The West Eugene Wetlands Partnership proposes to acquire 317 acres of wetland and associated upland habitat in the West Eugene Wetlands to benefit improved water quality, provide natural flood control, protect priority declining habitats, and improve protection for seven federally listed Threatened and Endangered species and twenty-five additional candidate or sensitive species.

Project Ref	Grantee	Project Name	State
OWEB 200-101	OWEB	Coffin Butte Acquisition	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	29-OCT-01-20-JUN-02	Salmon Habitat Protection and Restoration	$0	$21,500	Willamette

Project Description

This project proposes the acquisition of 50 acres of property abuting the E.E. Wilson Wildlife Refuge. There is significant local interest to manage this property for wildlife values.

Project Ref	Grantee	Project Name	State
OWEB 200-103	OWEB	Owens Farm/Jackson & Fraizer Creeks Acquisition	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	11-FEB-02-08-MAR-02	Salmon Habitat Protection and Restoration	$0	$125,000	Willamette

Project Description

We are requesting funding to assist with acquisition of approximately 80 acres of land in Jackson and Frazier Creeks watershed. This land contains 25 acres of high quality wetlands and riparian areas, 25 acres of converted wetlands and 30 acres of oak woodland uplands. This site would be an addition to Jackson Frazier Wetlands complex owned by Benton County.

Project Ref	Grantee	Project Name	State
OWEB 200-104	OWEB	Willamette River Gallery Forest Protection Acquisition	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-AUG-01-21-AUG-01	Salmon Habitat Protection and Restoration	$0	$381,825	Willamette

Project Description

The OWEB grant would allow for the acquisition of 236 acres on the Willamette River. Just upstream from its confluence with the Luckiamute River.

Project Ref	Grantee	Project Name	State
OWEB 200-105	OWEB	Wainwright Native Grasslands Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	06-APR-01-05-FEB-03	Salmon Habitat Protection and Restoration	$0	$33,251	Willamette

Project Description

Wainwright restoration will return 123 acres of agricultural land back to a mosaic of native wet prairie and upland grasslands. Construct a shallow pond to increase biotic and landscape diversity. Plant a mix of native wet prairie and upland grasses for wildlife habitat improvement. Establish intensive pre and post restoration monitoring of avian and vegetation conditions.

Project Ref	Grantee	Project Name	State
OWEB 200-106	OWEB	Clackamas County 2001 Fish Passage Improvements	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	27-FEB-01-15-JUL-03	Salmon Habitat Protection and Restoration	$0	$279,865	Willamette

Project Description

The Clackamas River 2001 Fish Passage Improvements Project consists of a package of 13 culverts located in the Clackamas and Molalla River watersheds that have identified as barriers to fish passage and priorities for replacement. The project sites are on Oregon Dept Fish and Wildlife list of stream blockages and have been reviewed and prioritized biologically by ODFW staff. Each project in the following Section III detail is identified with ODFW's ranking from 1 through 13. Completion of the project would potentially open 22.3 stream miles to anadromous salmonids would benefit resident cutthroat trout.

Project Ref	Grantee	Project Name	State
OWEB 200-107	OWEB	Sandy River WS Riparian	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	20-MAR-01-24-JAN-03	Salmon Habitat Protection and Restoration	$0	$28,709	Willamette

Project Description

This project is the second year of a Sandy River watershed-wide, integrated restoration, outreach/education and youth leadership program. Although on-the-ground habitat restoration via removal of the highly invasive and system modifying weed, Japanese knotweed is the central focus, the project is design to simultaneously increase community knowledge of watershed issues and citizen (especially youth) participation in the solution.

Project Ref	Grantee	Project Name	State
OWEB 200-109	OWEB	Marx Wetland & Wet Prairie Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	12-MAR-01-21-MAR-03	Salmon Habitat Protection and Restoration	$0	$63,904	Willamette

Project Description

This project proposes to restore 52 acres of grass field to wet prairie and shallow marsh habitat. The project is in the near vicinity of the Baskett Slough National Wildlife Refuge.

Project Ref	Grantee	Project Name	State
OWEB 200-110	OWEB	South Pasture/BPA Parcel Floodplain Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	05-JAN-01-29-JUL-02	Salmon Habitat Protection and Restoration	$0	$70,150	Willamette

Project Description

FBP and its project cooperators will plant and additional 3,500 trees and shrubs to continue floodplain reforestation, continue exotic species control and habitat enhancement efforts on the 200-acre "South Pasture" and 44-acre "BPA parcel" in 2001, complete floodplain restoration/grading plans, prepare related permit applications, and expand native plant nursery production.

Project Ref	Grantee	Project Name	State
OWEB 200-114	OWEB	South Yamhill Road Stream Crossing Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	30-MAY-01-10-JAN-03	Salmon Habitat Protection and Restoration	$0	$72,448	Willamette

Project Description

The project will replace or remove seven culverts at stream-road crossings to improve fish passage and water quality.

Project Ref	Grantee	Project Name	State
OWEB 200-115A	OWEB	Willamette Floodplain Restoration Project Phase I	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	09-MAR-01-02-MAY-02	Salmon Habitat Protection and Restoration	$0	$28,899	Willamette

Project Description

This is a demonstration project to restore floodplain function, riparian forest buffer, and fish and wildlife habitat on the mainstem Willamette from Harrisburg to Corvallis. The demonstration project will install restoration projects on 4 farms utilizing vegetative practices, log jams, and dike lowering to expand the floodplain. This project will serve as an educational process to get farmers involved in future restoration projects on the Willamette.

Project Ref	Grantee	Project Name	State
OWEB 200-115B	OWEB	Willamette Floodplain Restoration Project Phase II	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	09-MAR-01-25-JUL-03	Salmon Habitat Protection and Restoration	$0	$344,953	Willamette

Project Description

This is a demonstration project to restore floodplain function, riparian forest buffer, and fish and wildlife habitat on the mainstem Willamette from Harrisburg to Corvallis. The demonstration project will install restoration projects on 4 farms utilizing vegetative practices, log jams, and dike lowering to expand the floodplain. This project will serve as an educational process to get farmers involved in future restoration projects on the Willamette.

Project Ref	Grantee	Project Name	State
OWEB 200-121	OWEB	Friendsview Manor Riparian Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	21-FEB-01-02-MAY-02	Salmon Habitat Protection and Restoration	$0	$9,500	Willamette

Project Description

The Friendsview Manor riparian area is 5 acres in size, averaging 200feet wide and 1000 feet long located in the City of Newberg. Hess Creek meanders through a wetland bottom stream flowing North to South between terrace escarpments that rise 30 feet in elevation above the streambanks. The planned project will plant a variety of adapted native trees and shrubs within open areas, inter-planting of under-stock areas and under planting existing tree stands. The project will control blackberries, reed canary grass and ivy. The project will also install nine instream structures for fish and wildlife habitat.

Project Ref	Grantee	Project Name	State
OWEB 200-135	OWEB	Land Acquisitions at Sycan,Upper Sycan and Klamath	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	06-DEC-01-14-FEB-02	Salmon Habitat Protection and Restoration	$0	$750,000	Klamath

Project Description

OWEB funds will be used to help acquire fee ownership of 2.845 acres of riparian, wet meadow and forest habitat that lies immediately adjacent to the existing 28,500 acre Sycan Marsh Preserve in south central Oregon. The purpose of the acquisition is to acquire ecologically significant lands that will provide additional protection to the Long Creek populations of threatened bull trout and redband trout. Acquisition and protection of these lands will also enhance the long-term viability of the existing 28,500 acre Sycan Marsh Preserve that supports populations of more than 16 at-risk vertebrate species as well as a number of rare freshwater mollusk species. Acquired lands will be managed by the Nature Conservancy to improve water quality, forest health and at-risk species habitat in the Sycan watershed.

Project Ref	Grantee	Project Name	State
OWEB 200-137	OWEB	Lost Creek WS Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	20-MAR-01-30-DEC-03	Salmon Habitat Protection and Restoration	$0	$23,793	Deschutes

Project Description

The Nature Conservancy is in the early stages of implementing restoration in the Lost Creek Watershed. All components of the project are presented. However, at this time we only see funding for those components that have been fully assessed. Proposed projects include riparian fencing and stabilization (GC) and weed control (BWCF).

Project Ref	Grantee	Project Name	State
OWEB 200-138	OWEB	Moiser Valley Soil Water Monitoring Demo	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	07-FEB-01-22-AUG-01	Salmon Habitat Protection and Restoration	$0	$3,349	Deschutes

Project Description

Soil moisture monitors will be installed and utilized on several orchard blocks in the Mosier Valley. A series of workshops will demonstrate their installation, use, resulting water savings and improved tree growth and yield. Following the demonstration project, sign-ups will be taken for a program to install these meters for other growers throughout the valley. The project will reduce irrigation demands from Mosier Creek and its aquifer, while simultaneously improving tree growth and yields for the cooperators.

Project Ref	Grantee	Project Name	State
OWEB 200-141	OWEB	Demonstration to Reduce the Risk of Agriculture/The Dalles	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	14-FEB-01-30-DEC-03	Salmon Habitat Protection and Restoration	$0	$69,867	Middle Columbia

Project Description

This project will prevent pesticide pollution from orchard operations in the Fifteenmile Sub-basin.,17070105. The Wasco County Fruit and Produce League orchard growers objective is to implement Integrated Pest Management (IPM) practices in The Dalles area orchards. The new generation pesticides reduce the risk of pollution to land and aquatic resources affecting salmon and other endangered species. The use of less toxic pesticides requires growers to be more precise in timing of the application of these pesticides because they don't persist in the environment like broad- spectrum pesticides. Growers will use a network of remote weather station in orchards to correct precise weather data to calculate pesticides better decisions to make precise timed application of new generation pesticides.

Project Ref	Grantee	Project Name	State
OWEB 200-145	OWEB	Deschutes Water Bank	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	25-MAR-01-23-JUN-03	Salmon Habitat Protection and Restoration	$55,000	$0	Deschutes

Project Description

The Deschutes Basin Resources Conservancy will establish a Deschutes Water Bank to efficiently transfer water for the region's needs while improving instream flows.

Project Ref	Grantee	Project Name	State
OWEB 200-146	OWEB	Beaver Creek Channel Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	13-MAR-01-29-JUL-02	Salmon Habitat Protection and Restoration	$0	$30,600	Deschutes

Project Description

The Beaver Creek Channel/Wet Meadow Restoration Project includes survey, analysis, and design works as well as channel rehabilitation, habitat improvement and wet meadow protection and enhancement. The channel/wet meadow restoration project is large and complex (hence the extensive survey, analysis and design components) but will result in substantial ecological and socioeconomic benefits in terms of: improved water quality and quantity for fish, wildlife, vegetation and agricultural production; improved fish and wildlife habitat; reduced erosion; and improved efficiency of irrigation and water use in a major tributary of the Crook River.

Project Ref	Grantee	Project Name	State
OWEB 200-152	OWEB	Tumalo Water Conservation Project Group	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	14-FEB-01-06-MAY-02	Salmon Habitat Protection and Restoration	$0	$200,000	Deschutes

Project Description

The Tumalo Water Conservation project Group proposes to pipe open stretches of the Bend Feed Canal within the Tumalo Irrigation District. The four phase project will conserve approximately 20 cfs of water currently lost to percolation and evaporation. The conserved water will transfer to instream water rights within Tumalo Creek, 5.8 cfs of senior water rights and 11.8 cfs of junior water rights. This water will establish rights in Tumalo Creek where there has previously been none, permanently rewetting about 11 miles of channel and improving aquatic habitat in Tumalo Creek. In addition to improving aquatic habitat, these flows will also help improve the water quality of the Middle Deschutes River.

Project Ref	Grantee	Project Name	State
OWEB 200-162	OWEB	Deer Creek Afforestation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	22-FEB-01-06-NOV-02	Salmon Habitat Protection and Restoration	$0	$11,669	Lower Snake

Project Description

70 acre reforestation project. Project will establish permanent vegetation on what was previously old wheat fields at the headwaters of Deer Creek. Ponderosa pine seedlings will be planted and grass seed will be sown to stabilize soil, reduce sediment inputs to Deer Creek and increase shade and snow storage.

Project Ref	Grantee	Project Name	State
OWEB 200-164	OWEB	Jones Streambank Protection/Fish Habitat Improvement Lostine	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	08-FEB-01-30-SEP-03	Salmon Habitat Protection and Restoration	$0	$9,425	Lower Snake

Project Description

Protecting eroding streambanks and improvement of fish passage conditions is the emphasis of this proposal. The work area is located approximately 1 mile south of the town of Lostine. The area of eroding streambank is on an outside curve of the Lostine River. The riparian area consists of alders and river birch vegetation 5 feet in width. The Lostine River Road is immediately adjacent to the riparian area. If the streambank erosion is left untreated, the bank supporting the alders and birches will be undercut and the trees will fall into the river. After the trees are eroded away the road bed will start to eroded. The project will consist of installing 1 rock vortex weir and 2 rock barbs with root wads in the Lostine River. The weirs and barbs will direct flow away from streambank to the center of the river channel.

Project Ref	Grantee	Project Name	State
OWEB 200-165	OWEB	West Branch WS Improvement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	26-APR-01-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$6,840	John Day

Project Description

This project will consist of 8 acres of juniper control and grass seeding. 11 acres of sagebrush control and grass seeding, 3300 feet of cross fencing, and 300 feet of riparian corridor fencing on Judy Anderson's property. The property is on West Branch of Bridge Creek near Mitchell Oregon in Wheeler County. West Branch Bridge Creek provides spawning and rearing habitat for ESA listed John Day River Summer Steelhead.

Project Ref	Grantee	Project Name	State
OWEB 200-166	OWEB	West Branch Juniper Control Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	08-MAY-01-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$8,995	John Day

Project Description

This project will consist of removing 49 acres of juniper trees and reseeding the controlled area to perennial grass. The junipers will be removed on upland property that drains into West Branch of Bridge Creek. The property is owned by Mike Carrol and is near the town of Mitchell, Oregon. The west branch of Bridge Creek provides spawning and rearing habitat for the ESA listed John Day River Summer Steelhead.

Project Ref	Grantee	Project Name	State
OWEB 200-170	OWEB	Rudio Creek Streamflow Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	30-MAR-01-30-DEC-04	Salmon Habitat Protection and Restoration	$0	$53,290	John Day

Project Description

The lower portions of Rudio Creek are privately owned by two irrigators--Rudio Ranch and Campbell Livestock Company: both landowners have expressed an interest in enhancing streamflows by reorganizing their irrigation systems. This grant proposal seeks funding for the purchase and installation of a pipeline and water measuring device.

Project Ref	Grantee	Project Name	State
OWEB 200-171	OWEB	UpperJohn Day Irrigation Diversion Improvements: 2001	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	09-FEB-01-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$143,164	John Day

Project Description

The Grant Soil and Water Conservation District (SWCD) is proposing projects during the Summer 2001 work season to replace twelve gravel push-up diversion dams with fish friendly alternatives, capture excess flood irrigation waters and install 4 miles of riparian fencing. Funding is solicited from OWEB to support changes on three proposed projects and the monitoring program, hire two part-time engineers and a summer engineering student to provide technical assistance to design and implement these projects.

Project Ref	Grantee	Project Name	State
OWEB 200-174	OWEB	McElroy Pipeline Rehab Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	03-MAR-01-27-NOV-02	Salmon Habitat Protection and Restoration	$0	$38,418	Middle Snake-Boise

Project Description

This project consists of a pipeline to route irrigation runoff below a feedlot to a main canal, that eventually empties into Willow Creek. Additional work of grading and creating a drainage way and berms to contain and route feedlot effluent into a corn field is planned. This project will eliminate feedlot effluent from entering the drain canal and Willow Creek.

Project Ref	Grantee	Project Name	State
OWEB 200-175	OWEB	Luther Constructed Wetland	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	03-MAR-01-14-JAN-04	Salmon Habitat Protection and Restoration	$0	$87,293	Middle Snake-Boise

Project Description

This project consists of a constructed wetland to filter Warm Springs Irrigation District drain-water before it reaches the Malheur River. This wetland will function to decompose residual chemical runoff of pesticides and herbicides and reduce nitrogen/phosphorous transport from fertilizers, and bacteria/heavy metal effluent from animal waste entering the Malheur River. Vegetation plantings will provide the filtering operation, and the wetland will be used as a water purification demonstration site.

Project Ref	Grantee	Project Name	State
OWEB 200-176	OWEB	Toelle Juniper Abatement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	02-FEB-01-12-JUN-01	Salmon Habitat Protection and Restoration	$0	$26,600	Oregon Closed Basins

Project Description

This project will cut juniper on 760 acres to reduce moisture competition where juniper have invaded into a grass/shrub/pine range. The juniper will be piled for a future burn. Objectives are to restore the area to a more diverse habitat of native plant vegetation improved watershed stability, decrease erosion, improve vegetative cover, and reduce the amount of exposed soil. Removal of juniper will also improve the understory bitterbrush stands in an area of critical mule deer winter habitat.

Project Ref	Grantee	Project Name	State
OWEB 200-184	OWEB	Charlie Dohert- Butter Creek Range & Riparian Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	14-MAR-01-31-DEC-02	Salmon Habitat Protection and Restoration	$0	$96,231	Middle Columbia

Project Description

Landowner Charlie Doherty has joined the Butter Creek Range & Riparian Enhancement Project which now encompasses 96,000+ acres in Umatilla and Morrow Counties, 22 miles main Butter Creek, 10 miles of East Fork of Butter Creek and 18 miles of various tributaries to Butter Creek. Doherty requested financial and technical assistance with addressing resource concerns on his property located in the headwaters of Butter Creek.

Project Ref	Grantee	Project Name	State
OWEB 200-186	OWEB	Marchek & Son Inc. Drainage System	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	21-AUG-01-01-OCT-02	Salmon Habitat Protection and Restoration	$0	$35,001	Middle Snake-Boise

Project Description

Producer has two springs which flow 691 gpm (1.53 cfs) through his 6.1 acres feedlot via an open drain. Producer wants to cover the open drain and pipe the spring water through 1735 feet of drainage pipe. Capturing and piping the spring water in the feedlot will prevent organic waste from his 230 beef cows from mixing with the spring water which eventually reaches the Malheur River. The spring water travels through 4335 feet of open drain and than mixes with the Malheur River.

Project Ref	Grantee	Project Name	State
OWEB 200-187	OWEB	Demonstration of SW Stewardship Using Drip irrigation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	08-FEB-01-21-JAN-03	Salmon Habitat Protection and Restoration	$0	$32,000	Oregon Closed Basins

Project Description

Subsurface drip irrigation has the potential to improve irrigation efficiency and reduce irrigation induced erosion, runoff, and groundwater contamination. The project uses practical demonstrations and education to expand subsurface drip irrigation that we developed for onions by proving feasibility on additional crops and situations, using a wide range of cooperators. Water savings and soil moisture conditions are extensively monitored on the experiment station and in growers fields.

Project Ref	Grantee	Project Name	State
OWEB 200-188	OWEB	Walla Walla IDWC	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	08-FEB-01-16-SEP-03	Salmon Habitat Protection and Restoration	$0	$290,482	Middle Columbia

Project Description

This project seeks a cost share funding for flood to sprinkler conversion, water efficiencies, water measuring devices, and piping 3 miles of an irrigation ditch that serves over 40 users that loses 3.9 cfs through leakage and evaporation. All activities will require saved water going back in stream through the Oregon Conserved Water Program. A gain of about 3-5 cfs is anticipated and will help restore summer flows for 2 1/2 miles of habitat used by ESA listed steelhead and bull trout.

Project Ref	Grantee	Project Name	State
OWEB 200-189	OWEB	Middle Burnt River CRMP Early Action Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	02-APR-01-16-JUL-03	Salmon Habitat Protection and Restoration	$0	$13,000	Middle Snake-Powder

Project Description

This project implements specific projects on private and public land identified in the Middle Burnt River Coordinated Resource Management Plan. The Middle Burnt River CRMP was developed by a local planning group of resource owners, managers and users to consider alternatives and formulate plans. The OWEB funds will be utilize to implement two juniper riprap projects, two fencing projects, one juniper control project and one meteorological data support project. The plan and this request for funds is the community's effort to identify natural resource issues, in the Burnt River Valley and implement their proposed solutions.

Project Ref	Grantee	Project Name	State
OWEB 200-193	OWEB	Brush Creek-Phase 3	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	28-JUN-01-30-JUN-03	Salmon Habitat Protection and Restoration	$0	$11,857	Lower Snake

Project Description

This proposal will rehabilitate, enhance, and restore a 3,350 ft section of riparian area on Brush Creek, a perennial spring-fed tributary in the headwaters of upper Ladd Creek near La Grande, OR. The project involves stream improvement and riparian restoration by installing fish-compatible culvert, planning approximately 1580 ft of riparian plantings and building 4165 ft of riparian fencing. This is Phase III of a multi-Phase project on this section of Brush Creek.

Project Ref	Grantee	Project Name	State
OWEB 200-194	OWEB	Smith Creek Stream Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	21-FEB-01-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$13,030	Lower Snake

Project Description

This project would put Smith Creek which has been channelized back into a meander, remove the channel from going through a winter feeding area for livestock. Put in a trough for other stream watering. Install a haedgate and measuring diversion point. Construct a silt basin to catch run off from a tile drain and allow sediment to settle before running into Smith Creek.

Project Ref	Grantee	Project Name	State
OWEB 200-195	OWEB	Spring Pond Development	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	12-FEB-01-27-MAR-03	Salmon Habitat Protection and Restoration	$0	$21,320	Lower Snake

Project Description

The Union Soil and Water Conservation District proposes to develop 12 spring sites for livestock water on five ownership's. Spring development will consist of fencing the spring and fish and wildlife habitat by reducing riparian area grazing impacts.

Project Ref	Grantee	Project Name	State
OWEB 200-206	OWEB	Periwinkle Creek Fish Passage Improvement and Culvert Remova	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-01-31-OCT-03	Salmon Habitat Protection and Restoration	$0	$60,000	Willamette

Project Description

This project will increase access to fish habitat in lower Periwinkle Creek, which has relatively high quality in-stream and riparian habitat in urban Albany. Fish passage for juvenile anadromous salmonids will be improved at two barriers, based on design criteria for ODFW. A third component of the project involves removing a failing culvert, dead-ending the overlying street, and re-establishing natural stream and riparian conditions and functions. The project will include monitoring and maintenance.

Project Ref	Grantee	Project Name	State
OWEB 200-245	OWEB	North Fork Daly Creek Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	21-JUN-01-27-MAR-02	Salmon Habitat Protection and Restoration	$197	$44,712	Middle Snake-Powder

Project Description

This project will be a comprehensive effort to improve the overall health of nearly 5 miles of fish bearing stream (including headwaters) and surrounding 3700 acre watershed. Seven partnering entities will work in concert to accomplish 7 project phases over the next two years, including: 1) fish barrier removal, 2) in-stream large wood placement 3) riparian fencing, 4) road improvement & relocation, 5) spring development, 6) tree & shrub planting, and 7) critical area seeding.

Project Ref	Grantee	Project Name	State
OWEB 200-246	OWEB	Grass Valley Canyon Watershed Management	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	13-AUG-01-20-OCT-03	Salmon Habitat Protection and Restoration	$0	$9,076	John Day

Project Description

Project will implement best management practices (BMPs) and plant riparian vegetation in the Grass Valley Watershed. Implementation will take place at four sites. Practices to be cost shared include riparian restoration and cropland erosion control practices as elements of farm conservation plans. A riparian restoration on the Sherman High School campus will provide a convenient educational resource, and will compliment the Sherman SWCD Conservation Nursery recently established on the high school campus.

Project Ref	Grantee	Project Name	State
OWEB 200-247	OWEB	School Fork Road Crossing Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	09-AUG-01-23-JAN-02	Salmon Habitat Protection and Restoration	$0	$115,170	Northern Oregon Coastal

Project Description

Remove fish passage/stream function problem crossing at School Fork Creek and replace with a bridge. The 2000 acre watershed above this crossing contains over 2 miles of high quality Coho spawning and rearing habitat. Other options at this site have been assessed and a bridge is the correct solution for this crossing. This project is put forth in partnership between Lincoln SWCD, ODFW, MidCoast Watersheds, USFS, National Audubon Society, and Lincoln County Public Works.

Project Ref	Grantee	Project Name	State
OWEB 200-259	OWEB	Calapooya Creek Drought 2001 Response Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	22-JUN-01-18-APR-02	Salmon Habitat Protection and Restoration	$0	$18,313	Southern Oregon Coastal

Project Description

Oregon Water Trust will lease consumptive water rights from three water rights holders on Calapooya Creek, a priority watershed within the Umpqua Basin, and convert those to instream water rights for the 2001 irrigation season.

Project Ref	Grantee	Project Name	State
OWEB 200-263	OWEB	East Fork Illinois River Drought 2001 Response Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	22-JUN-01-18-APR-02	Salmon Habitat Protection and Restoration	$0	$15,590	Southern Oregon Coastal

Project Description

Oregon Water Trust will lease consumptive water rights from one landowner on the East Fork Illinois, a priority watershed within the Illinois sub-bassin, and convert those to instream water rights for the 2001 irrigation season.

Project Ref	Grantee	Project Name	State
OWEB 201-141A	OWEB	Illinois Valley Riparian Tree Planting Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-SEP-01-12-JUN-03	Salmon Habitat Protection and Restoration	$13,588	$0	Southern Oregon Coastal

Project Description

Federal Funds NOAA portion of grant 201-141.

Project Ref	Grantee	Project Name	State
OWEB 201-279	OWEB	Siuslaw Fish Passage Improvement Project/Plan III Planning	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	22-MAR-02-31-DEC-03	Salmon Habitat Protection and Restoration	$29,700	$0	Northern Oregon Coastal

Project Description

This project would fund the planning and project management costs associated with the replacement of six culverts in the Siuslaw River watershed that are currently barriers to fish passage.

Project Ref	Grantee	Project Name	State
OWEB 203-041	OWEB	Conservation Planning & Implementation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	19-DEC-02-31-DEC-04	Salmon Habitat Protection and Restoration	$92,725	$0	Willamette

Project Description

This proposal is for continuation of an earlier OWEB-funded project. It focuses on providing landowners with technical assistance to develop site-specific conservation plans and installing conservation practices. OWEB funds are requested for personnel, travel, training, supplies, operations, administration and site monitoring for 5 years.

Project Ref	Grantee	Project Name	State
OWEB 204-428	OWEB	Devine Canyon Brush Management & Uplands Restoration	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-APR-04-30-JUN-06	Salmon Habitat Protection and Restoration	$1,000	$0	Oregon

Project Description

This project proposes to mechanically remove juniper on 1,100 acres of uplands and wet meadows at the headwaters of Poison Creek Slough north of Burns. Juniper would be removed using a feller-buncher and perennial grass seed applied with a broadcast spreader. Areas of old-growth juniper will be retained. Several agencies are supportive of this comprehensive effort. OWEB funds are requested for juniper thinning (87%), perennial grass seed/planting (5%), video (1%), administration (4%), and monitoring (3%). Cost-share partners include landowners and Harney SWCD.

Project Ref	Grantee	Project Name	State
OWEB 97-171	OWEB	Farmer's Ditch Jump Pool	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	20-OCT-97-02-APR-02	Salmon Habitat Protection and Restoration	$2,500	$0	Southern Oregon Coastal

Project Description

Rebuild a jump pool washed out by 1996 winter floods to improve fish passage.

Project Ref	Grantee	Project Name	State
OWEB 98-096A	OWEB	Private Options for Conservation Easements in the Mid-Coast	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	10-JUN-98-07-JUL-03	Salmon Habitat Protection and Restoration	$33,000	$0	Northern Oregon Coastal

Project Description

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Project Ref	Grantee	Project Name	State
OWEB 98-123A	OWEB	Beaver Relocation and Mgt Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-98-14-AUG-03	Salmon Habitat Protection and Restoration	$5,705	$0	John Day

Project Description

Re-introduce and manage beaver where suitable habitat

Project Ref	Grantee	Project Name	State
OWEB 98-352A	OWEB	Jordan Valley Vegetative Restoration Project	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	05-MAY-99-05-MAY-03	Salmon Habitat Protection and Restoration	$35,750	$0	Middle Snake-Boise

Project Description

Improved permanent grass stands vegetation will be established along 350 miles (820 acres) of ROW in southeastern Oregon.

Project Ref	Grantee	Project Name	State
OWEB 98-354A	OWEB	Bandon School District Gross Crk Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	20-MAY-99-08-JUN-03	Salmon Habitat Protection and Restoration	$2,968	$0	Southern Oregon Coastal

Project Description

Gross Creek assessment of the stream and existing culverts with reference to improving fish passage.

Project Ref	Grantee	Project Name	State
OWEB 98-374A	OWEB	Tillamook SWCD Small-Scale Manure Storage Faciliti Cost-Shar	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	10-JUN-99-11-APR-03	Salmon Habitat Protection and Restoration	$445	$0	Northern Oregon Coastal

Project Description

Provide on-the-ground technical and finacial assistance for landowners of small livestock operations who wish to improve manure management practices.

Project Ref	Grantee	Project Name	State
OWEB 99-423	OWEB	Riparian Landowner Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-22-MAY-02	Salmon Habitat Protection and Restoration	$19,506	$0	Northern Oregon Coastal

Project Description

Enable the planting of 7,000 trees per year in the Siuslaw Basin for two years. Funds will allow the purchase of trees, and production of an informational pamphlet on riparian management, and conducting workshops on tree planting for landowners.

Project Ref	Grantee	Project Name	State
OWEB 99-424	OWEB	North Fork Siuslaw Road Relocation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-23-OCT-02	Salmon Habitat Protection and Restoration	$68,912	$0	Northern Oregon Coastal

Project Description

Relocate road directly adjacent to salmonid spawning location on the North Fork Siuslaw River. Restore riparian area by replanting. Enhance habitat by the placement of large wood structures.

Project Ref	Grantee	Project Name	State
OWEB 99-426	OWEB	Reflection Creek - Fish Passage Imprvmnt	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-09-MAR-01	Salmon Habitat Protection and Restoration	$6,916	$0	Northern Oregon Coastal

Project Description

Replace a culvert on Reflection Creek which hinders both adult and juvenile salmonid passage. Replacement will also reduce erosion and prevent flooding of the road.

Project Ref	Grantee	Project Name	State
OWEB 99-427	OWEB	Crab-Green Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-26-JAN-03	Salmon Habitat Protection and Restoration	$0	$208,000	Northern Oregon Coastal

Project Description

Use a helicopter to place 400 trees, some with limbs and rootwads, in 10.6 miles of anadromous fish habitat in the Crab Creek and Green River sub-watersheds. Eliminate animal grazing in some areas and replant native vegetation.

Project Ref	Grantee	Project Name	State
OWEB 99-429	OWEB	Congdon Creek Riparian Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-11-JUN-01	Salmon Habitat Protection and Restoration	$11,000	$0	Northern Oregon Coastal

Project Description

Fence riparian area on one mile of Congden Creek to exclude livestock. Plant protected riparian area with willow, maple, and mixed conifers.

Project Ref	Grantee	Project Name	State
OWEB 99-431	OWEB	School Fork Habitat Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-03-JUL-01	Salmon Habitat Protection and Restoration	$0	$7,808	Northern Oregon Coastal

Project Description

Fence the banks of School Fork creek at its confluence with the Yachats River to exclude livestock. Plant native vegetation in a 50 ft riparian buffer. Construct off channel watering structures.

Project Ref	Grantee	Project Name	State
OWEB 99-432	OWEB	McGlynn and Crooked Creek Habitat Rest Proj	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-26-JAN-03	Salmon Habitat Protection and Restoration	$0	$1,816	Northern Oregon Coastal

Project Description

Repair three rock weirs to aid juvenile fish passage through a culvert on Crooked Creek. Place ten large woody debris structures at the confluence of McGlynn and Crooked Creeks. Plant riparian vegetation.

Project Ref	Grantee	Project Name	State
OWEB 99-435	OWEB	Cantrell Stream Enhnc Proj/Salmonberry-Alsea	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-06-JUN-02	Salmon Habitat Protection and Restoration	$0	$9,307	Northern Oregon Coastal

Project Description

Combined instream and riparian restoration project. Place 25 pieces of large wood in Cantrell Stream, creating full channel-spanning complexes. Pre-commercial thinning to increase canopy litter and migratory substrates. Develop alcoves.

Project Ref	Grantee	Project Name	State
OWEB 99-436	OWEB	Giggy Stream Enhncmnt / Bummer Cr. Alsea	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-17-SEP-01	Salmon Habitat Protection and Restoration	$0	$3,643	Northern Oregon Coastal

Project Description

Create full-spanning and deflector oriented LWD structures in Bummer Creek to provide diverse habitats for macroinvertebrates, juvenile salmonids, and Brook and Pacific Lamprey.

Project Ref	Grantee	Project Name	State
OWEB 99-437	OWEB	Podmore / Leavitt Stream Enhncmnt SF Alsea	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-01-MAY-03	Salmon Habitat Protection and Restoration	$0	$3,117	Northern Oregon Coastal

Project Description

Improve riparian condition and create complex aquatic habitat for juvenile salmonids in Swamp and Record Creeks in the Alsea River Basin. Fence sections of stream with 20 ft riparian buffers. Plant mixed conifers. Install multiple log structures.

Project Ref	Grantee	Project Name	State
OWEB 99-438	OWEB	Buck Cr. Cooperative Rest Proj / Five Rivers	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-07-JUL-03	Salmon Habitat Protection and Restoration	$0	$34,407	Northern Oregon Coastal

Project Description

Instream and riparian restoration on Buck Creek. Install LWD structures of mature trees instream by helicopter at nine sites. Plant riparian corridors with red cedar, douglas fir, sitka spruce, maple, and willow.

Project Ref	Grantee	Project Name	State
OWEB 99-440	OWEB	Hagen Stream Enhncmnt / Crooked Cr - Alsea	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-18-APR-03	Salmon Habitat Protection and Restoration	$0	$9,731	Northern Oregon Coastal

Project Description

Instream and riparian enhancement and restoration of historical channel configuration on Crooked Creek and Ernest Creek.

Project Ref	Grantee	Project Name	State
OWEB 99-441	OWEB	Love and Swing Stream Enhancement Proj	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-15-SEP-00	Salmon Habitat Protection and Restoration	$0	$4,862	Northern Oregon Coastal

Project Description

Place 45 logs instream and thin thirteen riparian areas to provide cover and increase habitat complexity for juvenile salmonids on Wilkinson Creek.

Project Ref	Grantee	Project Name	State
OWEB 99-443	OWEB	Spears Riparian and Aquatic Rest. - SF Alsea	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-18-APR-01	Salmon Habitat Protection and Restoration	$0	$8,892	Northern Oregon Coastal

Project Description

Riparian fencing, riparian plantings, bio-engineered stream bank stabilizations, placement of edge-oriented log structures, and excavation of three alcoves to restore habitat in a high priority spawning area.

Project Ref	Grantee	Project Name	State
OWEB 99-446	OWEB	Whalen Island Purchase	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	20-JUL-00-20-JUL-05	Salmon Habitat Protection and Restoration	$0	$917,500	Northern Oregon Coastal

Project Description

Acquire 179.9 acres of prime tidal marsh, forested wetlands, wooded uplands, and estuarine habitat on Whalen Island in the Sand Lake Estuary.

Project Ref	Grantee	Project Name	State
OWEB 99-448	OWEB	Grateful Creek Habitat Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-30-MAY-03	Salmon Habitat Protection and Restoration	$0	$2,193	Northern Oregon Coastal

Project Description

Fence streambank and wetland on Grateful Creek. Plant mixed species of trees and brush in riparian area; place 12 logs instream for structure and complexity of habitat, and replace an impassible culvert.

Project Ref	Grantee	Project Name	State
OWEB 99-449	OWEB	Sand Lake Estuary Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	09-JUL-01-31-DEC-04	Salmon Habitat Protection and Restoration	$70,006	$0	Northern Oregon Coastal

Project Description

Replace a 36 inch tidegate with two 6 x 8 ft. squash pipes, to enable tidal exchange to restore the physical character of a tidal marsh. Maintain existing dike and road access to the beach.

Project Ref	Grantee	Project Name	State
OWEB 99-451	OWEB	Leisure Lane Culvert Replcemnts for Fish Passage	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-27-AUG-03	Salmon Habitat Protection and Restoration	$0	$54,686	Northern Oregon Coastal

Project Description

Replace five failing culverts to make accessible 1.7 miles of fish habitat and prevent sedimentation and road failure on Baker Creek.

Project Ref	Grantee	Project Name	State
OWEB 99-452	OWEB	Yaquina Estuarine Wetland Rest.: Sites Y3, Y4, Y27	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-05-OCT-02	Salmon Habitat Protection and Restoration	$0	$70,156	Northern Oregon Coastal

Project Description

Restore tidal flow and salmonid habitat function at three diked, formerly tidal wetland sites by the removal of man-made alterations such as dikes and ditches. Monitor results at these three sites, as well as two unaltered control sites.

Project Ref	Grantee	Project Name	State
OWEB 99-453A	OWEB	Riparian & In-Stream Rest Proj - Glascock	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-02-JAN-03	Salmon Habitat Protection and Restoration	$0	$45,939	Northern Oregon Coastal

Project Description

Restoration activities at five sites in the Yaquina River and Siletz River basins. Restoration activities include fencing, planting, off-channel watering, bio-engineering streambanks, creating in-stream habitat structures, and culvert replacement.

Project Ref	Grantee	Project Name	State
OWEB 99-453B	OWEB	Riparian & In-Stream Rest Proj -Hensler	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-06-JUN-03	Salmon Habitat Protection and Restoration	$0	$15,707	Northern Oregon Coastal

Project Description

Summary in 99-453A, Different Landowner.

Project Ref	Grantee	Project Name	State
OWEB 99-454	OWEB	Steere Creek Riparian Restoration Demo Proj	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-13-JAN-03	Salmon Habitat Protection and Restoration	$0	$11,710	Northern Oregon Coastal

Project Description

In the Steere Creek area, an open-range grazing area that has been overgrazed and degraded, fence riparian areas, construct off-channel watering stations, plant riparian areas, and monitor temperature of water.

Project Ref	Grantee	Project Name	State
OWEB 99-454A	OWEB	Steere Creek Extension	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	03-MAR-03-06-JAN-04	Salmon Habitat Protection and Restoration	$0	$6,600	Northern Oregon Coastal

Project Description

In the Steere Creek area, an open-range grazing area that has been overgrazed and degraded, fence riparian areas, construct off-channel watering stations, plant riparian areas, and monitor temperature of water.

Project Ref	Grantee	Project Name	State
OWEB 99-461	OWEB	Coos Watershed Projects 2000	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-31-OCT-03	Salmon Habitat Protection and Restoration	$0	$385,816	Southern Oregon Coastal

Project Description

Enhance coho habitat in high priority and adjacent areas in the Coos River Basin. This includes road decommissioning, culvert replacement or removal, and the reintroduction of natural material instream to develop channel complexity.

Project Ref	Grantee	Project Name	State
OWEB 99-466	OWEB	Coquille Watershed Culvert Replacement Proj	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-MAY-01-17-DEC-01	Salmon Habitat Protection and Restoration	$0	$28,128	Southern Oregon Coastal

Project Description

Replace three culverts on Steele Creek, China Creek, and Getty's Creek.

Project Ref	Grantee	Project Name	State
OWEB 99-474B	OWEB	Reese Crk Push-up Dam Removal	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	03-MAR-02-11-AUG-03	Salmon Habitat Protection and Restoration	$0	$36,877	Southern Oregon Coastal

Project Description

Remove push-up dam on Reese Creek near its confluence with the Rogue River to improve passage for coho and summer steelhead.

Project Ref	Grantee	Project Name	State
OWEB 99-479	OWEB	Applegate Floodway Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-31-DEC-03	Salmon Habitat Protection and Restoration	$39,501	$0	Southern Oregon Coastal

Project Description

Improve fish habitat, flood-plain stability, and channel integrity along low gradient, flood-prone reaches of the Applegate and Little Applegate Rivers by (1) on-the-ground restoration, (2) outreach, and (3) morphological monitoring.

Project Ref	Grantee	Project Name	State
OWEB 99-488	OWEB	South Coast Salmonid Hab Rest Proj Phase IV	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-30-NOV-03	Salmon Habitat Protection and Restoration	$0	$85,470	Southern Oregon Coastal

Project Description

Replace and add culverts, build a bridge, place large wood in streams, and plant conifers to enhance salmon habitat in South Coast watersheds, including Beaver Creek, Rock Creek, Boulder Creek, Saunders Creek, and Jack Creek.

Project Ref	Grantee	Project Name	State
OWEB 99-491	OWEB	Joyce River Bank Stabilization & Riparian Establishment Proj	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-05-SEP-03	Salmon Habitat Protection and Restoration	$0	$14,047	Southern Oregon Coastal

Project Description

Reshape degrading streambank, redirect water flow with streambank barbs, construct fence to exclude livestock from riparian area, and develop off-channel watering system on stream in the South Umpqua sub-basin.

Project Ref	Grantee	Project Name	State
OWEB 99-493	OWEB	Wood Creek Culvert Replacement & Habitat Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-27-JUN-01	Salmon Habitat Protection and Restoration	$0	$13,399	Southern Oregon Coastal

Project Description

Replace undersized, impassable culvert to open three miles of habitat to coho, steelhead and cutthroat in Wood Creek in the Windy Creek sub-basin. Place 154 large pieces of wood in 28 sites within the creek to improve winter and summer habitat.

Project Ref	Grantee	Project Name	State
OWEB 99-502	OWEB	Smith Creek Culvert Replacement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-09-APR-01	Salmon Habitat Protection and Restoration	$0	$14,137	Southern Oregon Coastal

Project Description

Replace failing culvert with half-round pipe to allow fish passage and prevent heavy sedimentation due to road failure.

Project Ref	Grantee	Project Name	State
OWEB 99-504	OWEB	Oldham Creek - Stephens	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-13-NOV-02	Salmon Habitat Protection and Restoration	$0	$11,663	Southern Oregon Coastal

Project Description

Fence 1.5 miles of Calpooya Creek to exclude livestock, plant 4.5 acres of trees in the riparian area, install five off-channel watering sites for livestock, and construct two hardened livestock stream crossings.

Project Ref	Grantee	Project Name	State
OWEB 99-506	OWEB	Little Tom Folley Road and Culvert	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-14-JUN-01	Salmon Habitat Protection and Restoration	$0	$22,572	Southern Oregon Coastal

Project Description

(1) Replace an undersized, failing culvert with a rail car bridge to restore natural conditions to Elk Creek and enhance fish passage. (2) Rock 1.2 miles of dirt road to reduce sedimentation. Funding recommended for first project only.

Project Ref	Grantee	Project Name	State
OWEB 99-507	OWEB	Little Rock Creek Instream Wood Placement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-08-SEP-00	Salmon Habitat Protection and Restoration	$0	$100,000	Southern Oregon Coastal

Project Description

Place 800 pieces of large wood (30% with rootwad attached) in nine miles of stream in the North Umpqua Basin, which contains cutthroat trout and summer and winter steelhead. A heavy-lift helicopter will be used to minimize riparian disturbance.

Project Ref	Grantee	Project Name	State
OWEB 99-508	OWEB	Gravel Creek Culvert Replacement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-09-APR-01	Salmon Habitat Protection and Restoration	$0	$18,228	Southern Oregon Coastal

Project Description

Replace 60" failing culvert with a 144" half-round pipe to enhance fish passage into 3/4 mile of upstream habitat. This project will also prevent fill from entering the stream if culvert fails.

Project Ref	Grantee	Project Name	State
OWEB 99-509	OWEB	Elk Creek Culvert Replacement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-03-JUL-01	Salmon Habitat Protection and Restoration	$0	$6,404	Southern Oregon Coastal

Project Description

Replace round culvert with a bottomless arch to make accessible one mile of spawning and rearing habitat in the Smith River.

Project Ref	Grantee	Project Name	State
OWEB 99-511	OWEB	Buck Fork - North Myrtle Culvert Replacement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-07-JUN-01	Salmon Habitat Protection and Restoration	$0	$12,075	Southern Oregon Coastal

Project Description

Replace existing culvert with a rail car bridge to make accessible 4-5 miles of additional spawning habitat to coho and winter steelhead. Place 3 logs and 2 boulder clusters instream to enhance habitat. Plant riparian area with willows and alder.

Project Ref	Grantee	Project Name	State
OWEB 99-512	OWEB	Brush Creek Culvert Replacement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-09-APR-01	Salmon Habitat Protection and Restoration	$0	$13,671	Southern Oregon Coastal

Project Description

Replace 48" culvert with a 144" half-round pipe to allow fish passage and prevent fill from entering Middle Creek if culvert fails.

Project Ref	Grantee	Project Name	State
OWEB 99-514	OWEB	Big Tom Folley Road and Culvert	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-15-APR-02	Salmon Habitat Protection and Restoration	$0	$52,225	Southern Oregon Coastal

Project Description

Replace undersized culverts with a bridge on Saddle Butte Creek, and a pipe arch culvert on Wynkoop Creek. Remove a culvert on Big Tom Folley Creek. Decommission or reconstruct sections of stream bottom road in Big Tom Folley and Elk Creeks.

Project Ref	Grantee	Project Name	State
OWEB 99-518	OWEB	Jampolski Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-02-MAY-02	Salmon Habitat Protection and Restoration	$0	$87,510	Willamette

Project Description

Restore a 200 acre parcel of agricultural land north of Fern Ridge Lake, and dissected by Amazon Creek, to wetland habitat for wildlife. Excavate existing ponds, install water control structures, and grade, seed, and plant spoil areas.

Project Ref	Grantee	Project Name	State
OWEB 99-520	OWEB	Johnson Creek Watershed Revegetation Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$94,181	Willamette

Project Description

Revegetate a 50 ft. buffer along 6.5 mi of streambank on Johnson Creek and its major tributary, Kelly Creek, with native trees, shrubs and herbaceous plants. Revegetation should result in a 50% canopy closure within five years.

Project Ref	Grantee	Project Name	State
OWEB 99-522	OWEB	Churchill Culvert Replacement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-02-OCT-01	Salmon Habitat Protection and Restoration	$0	$5,510	Willamette

Project Description

Replace undersized culvert in Mountain View Creek, a steelhead and cutthroat trout bearing stream, with a larger pipe arch culvert. Repave road, and regrade and riprap ditches to reduce erosion.

Project Ref	Grantee	Project Name	State
OWEB 99-523	OWEB	Baskett Slough Creek-Bessett Property Wetland Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-07-MAY-02	Salmon Habitat Protection and Restoration	$0	$32,571	Willamette

Project Description

Restore historic wetland from a farmed parcel containing a diked and channelized stream and uniformly graded, undrained hydric soil, to a wetland system containing a meandering stream with diverse riparian vegetation. Monitor and assess changes.

Project Ref	Grantee	Project Name	State
OWEB 99-528	OWEB	SE Foster Road: SE 162nd Ave to SE Jenne Rd	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-19-DEC-02	Salmon Habitat Protection and Restoration	$0	$200,000	Willamette

Project Description

Replace a box culvert in Kelley Creek under SE Foster Rd. at SE 162nd Ave. with an open bottom arch culvert, realign both roadways to minimize the impact to riparian habitat, and reduce the jump heights over two rock dams below the culvert.

Project Ref	Grantee	Project Name	State
OWEB 99-533	OWEB	Yamhill County Roadside Area Management Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-01-JUL-02	Salmon Habitat Protection and Restoration	$0	$33,457	Willamette

Project Description

Establish permanent grass vegetation along 34 miles of Yamhill County roads to prevent soil erosion and filter runoff, which may contain heavy metals, salts, and hydrocarbons, from roadways and adjacent lands.

Project Ref	Grantee	Project Name	State
OWEB 99-544	OWEB	Johnson Creek Fish Passage Improvement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-26-AUG-02	Salmon Habitat Protection and Restoration	$0	$69,099	Willamette

Project Description

Remove two dams that obstruct fish passage on Johnson Creek, and revegetate newly exposed streambanks with native trees and shrubs.

Project Ref	Grantee	Project Name	State
OWEB 99-549	OWEB	Sprague River Wetlands - Ridgeway	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-30-DEC-03	Salmon Habitat Protection and Restoration	$0	$73,150	Klamath

Project Description

Restore 130 acres of historic wetlands connected to the Sprague River by blocking an irrigation diversion, constructing a water control structure, and constructing levees and swales. Plant native vegetation.

Project Ref	Grantee	Project Name	State
OWEB 99-552	OWEB	Fulton and Gordon Canyons Watershed Management	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-17-MAR-03	Salmon Habitat Protection and Restoration	$0	$4,844	Deschutes

Project Description

Construct sediment basins to catch gully run-off during peak periods, and construct terraces to prevent sedimentation in the lower Deschutes Basin.

Project Ref	Grantee	Project Name	State
OWEB 99-554	OWEB	Rogers Ranch	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-06-JUN-02	Salmon Habitat Protection and Restoration	$0	$22,220	Oregon Closed Basins

Project Description

Stabilize severely eroding streambank on Deep Creek by installing J-hook veins, juniper riprap, fences, and water gaps. Plant native vegetation. Implement a grazing management plan.

Project Ref	Grantee	Project Name	State
OWEB 99-555	OWEB	Crooked Rvr Watershd Councl Riparian Protctn & Enhncmnt Proj	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-23-JUL-02	Salmon Habitat Protection and Restoration	$0	$37,384	Deschutes

Project Description

Streams in the Crooked River Basin, a priority area for redband trout, are temperature water quality listed. This project would protect riparian and stream channel areas, develop grazing plans, and enhance native vegetation on 25 miles of stream.

Project Ref	Grantee	Project Name	State
OWEB 99-557	OWEB	Green Point Creek Watershed Restoration - Project 2000	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-05-DEC-00	Salmon Habitat Protection and Restoration	$0	$36,212	Middle Columbia

Project Description

Place 1,000 logs by helicopter in 32 specific sites in Green Point Creek, in a section that is habitat for listed steelhead.

Project Ref	Grantee	Project Name	State
OWEB 99-559	OWEB	Upper Sycan Watershed Water Quality Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	02-MAR-01-30-DEC-03	Salmon Habitat Protection and Restoration	$0	$278,355	Klamath

Project Description

Thin 4,600 acres of over-stocked forest with Bobcat equipment and fill 2.5 miles of drainage ditch to restore marsh ecosystem.

Project Ref	Grantee	Project Name	State
OWEB 99-562	OWEB	Mill and Allen Creeks Stream Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-27-AUG-01	Salmon Habitat Protection and Restoration	$0	$14,500	Deschutes

Project Description

Place rock, large juniper trees, and large logs in riparian areas, along streambanks, and instream on Allen and Mill Creeks to stabilize eroding banks, enhance riparian areas, and create fish habitat.

Project Ref	Grantee	Project Name	State
OWEB 99-563	OWEB	McKay Creek Siphons	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-18-JUL-03	Salmon Habitat Protection and Restoration	$0	$24,598	Deschutes

Project Description

Install enclosed pipes under McKay Creek streambed to convey irrigation water between irrigation ditches adjoining the creek, which contains redband trout. This will prevent creek dewatering and pollution when canals are chemically treated.

Project Ref	Grantee	Project Name	State
OWEB 99-564	OWEB	Tenmile Creek Riparian Fencing/Offsite Watering Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-18-JAN-01	Salmon Habitat Protection and Restoration	$0	$39,775	Deschutes

Project Description

Construct 4.5 miles of fencing around grazing pasture, drill a well onsite to provide livestock water, and install cross fencing as part of a grazing management plan.

Project Ref	Grantee	Project Name	State
OWEB 99-565	OWEB	Upper Deschutes Watershed Stream Bank Stabilization	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-22-JUN-01	Salmon Habitat Protection and Restoration	$0	$17,667	Deschutes

Project Description

Plant 750 seedlings/root cuttings of willow and lodgepole and ponderosa pine per mile of stream to restore riparian areas on the Deschutes River, Paulina Creek, and Browns Creek.

Project Ref	Grantee	Project Name	State
OWEB 99-566	OWEB	Cloverdale Ditch Piping Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-26-JUL-02	Salmon Habitat Protection and Restoration	$0	$100,000	Deschutes

Project Description

Convert 15,840 ft. of open irrigation ditch to a 24 inch diameter plastic pipe on Squaw Creek, which is frequently dewatered due to irrigation diversions. By agreement, 50% of the conserved water will be returned to instream flow.

Project Ref	Grantee	Project Name	State
OWEB 99-568	OWEB	Dairy Creek & Elder Creek Streambank Enhancement & Education	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-07-JAN-02	Salmon Habitat Protection and Restoration	$0	$1,137	Oregon Closed Basins

Project Description

Fund two electric fences to protect later seral plant communities in riparian areas from grazing livestock on a rotating basis.

Project Ref	Grantee	Project Name	State
OWEB 99-572	OWEB	Bafford/Grande Ronde Fish Habitat Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	29-JUN-01-31-OCT-04	Salmon Habitat Protection and Restoration	$26,614	$0	Lower Snake

Project Description

Use large, woody debris and plantings to stabilize 1/4 mile of streambank and riparian area in the Upper Grande Ronde River and improve aquatic habitat for salmonids. Fence stream to prevent livestock watering.

Project Ref	Grantee	Project Name	State
OWEB 99-573	OWEB	Price / Brush Creek Streambank Restoration - Phase II	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	03-APR-01-30-AUG-03	Salmon Habitat Protection and Restoration	$0	$11,610	Lower Snake

Project Description

Fence Brush Creek (in the headwaters of Upper Ladd Creek) to prevent livestock and elk watering. Install water gaps. Plant native vegetation.

Project Ref	Grantee	Project Name	State
OWEB 99-574	OWEB	Griffin / Grande Ronde Meander Preservation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	10-MAY-01-31-OCT-04	Salmon Habitat Protection and Restoration	$13,990	$0	Lower Snake

Project Description

Fence section of Grande Ronde River to prevent livestock watering. Install logjam plug for meander and salmonid habitat preservation. Plant native vegetation in riparian area.

Project Ref	Grantee	Project Name	State
OWEB 99-575	OWEB	Follett/Pine Grove Cmtry Rd Reloc & Riparian Rest - Phase II	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	25-JAN-01-19-FEB-03	Salmon Habitat Protection and Restoration	$0	$18,583	Lower Snake

Project Description

Relocate and stabilize high-traffic road currently in Rysdam Canyon Creek (tributary of Grande Ronde River); install culverts. Fence riparian area and construct off-stream watering.

Project Ref	Grantee	Project Name	State
OWEB 99-577	OWEB	Rock Creek off stream water development	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$17,955	Lower Snake

Project Description

Develop 2 offstream water sources and improve 2 existing sources to prevent livestock and elk watering on Rock Creek, Little Rock Creek, Sheep Creek, and Graves Creek.

Project Ref	Grantee	Project Name	State
OWEB 99-578	OWEB	Milk / Catherine Cr. Channel Meander-Fish Passage Estblshmnt	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-02-APR-03	Salmon Habitat Protection and Restoration	$0	$76,200	Lower Snake

Project Description

Construct new stream channel for Milk Creek to closely approximate the current and historical characteristics of the natural channel, and relocate current stream to new channel. Install fish-friendly culvert.

Project Ref	Grantee	Project Name	State
OWEB 99-579	OWEB	Poison Creek and Malheur Slough GPA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-01-APR-03	Salmon Habitat Protection and Restoration	$0	$53,550	Oregon Closed Basins

Project Description

Assess the current condition of historic slough channels on the basin floor of the watershed. Develop analysis of best alternative to restore flow to natural channels.

Project Ref	Grantee	Project Name	State
OWEB 99-579A	OWEB	Poison Creek and Malheur Slough GPA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-01-APR-03	Salmon Habitat Protection and Restoration	$5,859	$0	Oregon Closed Basins

Project Description

Assess the current condition of historic slough channels on the basin floor of the watershed. Develop analysis of best alternative to restore flow to natural channels.

Project Ref	Grantee	Project Name	State
OWEB 99-582	OWEB	Trout Creek Sediment Reduction & Road Rehabilitation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-11-SEP-01	Salmon Habitat Protection and Restoration	$0	$23,790	Lower Snake

Project Description

Improve road near Trout Creek (Wallowa River Watershed) to reduce erosion and sedimentation in creek containing ESA-listed steelhead and rainbow trout.

Project Ref	Grantee	Project Name	State
OWEB 99-583	OWEB	Alan White Bank Stabilization Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-22-JUL-03	Salmon Habitat Protection and Restoration	$0	$16,082	Middle Snake-Boise

Project Description

Reduce erosion and sediment and improve water quality in the Malheur River by stabilizing streambank. Stabilization includes bank sloping, installing rock revetment, and vegetative plantings.

Project Ref	Grantee	Project Name	State
OWEB 99-584	OWEB	Montgomery Sediment Ponds-Implementation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-16-DEC-02	Salmon Habitat Protection and Restoration	$0	$10,430	Oregon Closed Basins

Project Description

Construct two settling ponds to trap and filter sediment and livestock waste from crop and pasture land and prevent them from entering the Malheur River.

Project Ref	Grantee	Project Name	State
OWEB 99-588	OWEB	South Board of Control Pipeline Project 0523	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-27-NOV-02	Salmon Habitat Protection and Restoration	$0	$179,707	Middle Snake-Boise

Project Description

Convert 868 acres of flood-irrigated land to sprinkler/drip irrigation. This project will reduce sediment, reduce the flow of nitrates, phosphorous fertilizers, and animal waste, and improve water quantity and flow in the Snake River.

Project Ref	Grantee	Project Name	State
OWEB 99-589	OWEB	Maag/Vale OR Irrigation Dist Pipeline Proj & Coll Ponds	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-25-FEB-02	Salmon Habitat Protection and Restoration	$0	$101,470	Middle Snake-Powder

Project Description

Convert irrigation diversion ditches below livestock feedlot to buried pipelines, and construct two large collection ponds to protect water quality of Willow Creek.

Project Ref	Grantee	Project Name	State
OWEB 99-591	OWEB	Government Mtn Sediment Reduction Project - Phase 2	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-09-MAR-01	Salmon Habitat Protection and Restoration	$0	$28,960	Middle Columbia

Project Description

Improve two sections of heavily used forest road and obliterate another section of creek-bottom road to reduce sediment delivery into tributaries of the Walla Walla River and Mill Creek, both critical bull trout and steelhead habitat.

Project Ref	Grantee	Project Name	State
OWEB 99-592	OWEB	Rail Canyon Road Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-28-JUN-01	Salmon Habitat Protection and Restoration	$0	$44,540	Lower Snake

Project Description

Improve steep road to reduce delivery of sediment into the Wallowa River at its confluence with Whiskey Creek. This portion of the Wallowa River contains juvenile salmon and listed bull trout. Listed steelhead use Whiskey Creek for spawning.

Project Ref	Grantee	Project Name	State
OWEB 99-596	OWEB	John Day Rvr Irr Div Imprvmnts: Island & Beaver Dam Ditches	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-22-JAN-03	Salmon Habitat Protection and Restoration	$3,437	$0	John Day

Project Description

Improve one water diversion and install two water measuring devices (a ramp flume and rectangular weir).

Project Ref	Grantee	Project Name	State
OWEB 99-599	OWEB	Halfway-Pine Crk Flood Prevention & Fish Habitat Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-07-MAY-03	Salmon Habitat Protection and Restoration	$0	$14,026	Middle Snake-Powder

Project Description

Install rock barbs, plant alder-willow rootwad clumps, install tree-shrub riprap, and install fence to reduce sediment and improve listed bull trout habitat on a stretch of Pine Creek with excessive erosion.

Project Ref	Grantee	Project Name	State
OWEB 99-601	OWEB	Ladd Creek (Middle Fork) Relocation and Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$85,414	Lower Snake

Project Description

Restore approximately 4,800 feet of Ladd Creek to its historical meandering course and natural vegetation. Construct two bridges to improve fish habitat and movement. Transform gravel pit into wetland. Improve two irrigation diversions.

Project Ref	Grantee	Project Name	State
OWEB 99-602	OWEB	Instream Flow Enhancement - Upper Walla Walla River	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-31-OCT-04	Salmon Habitat Protection and Restoration	$0	$44,410	Middle Columbia

Project Description

By abandoning gravel push-up dams, converting from flood to sprinkler irrigation, and improving intake systems at their points of diversion, this project will increase streamflow, improve fish passage, and provide better management of diverted water.

Project Ref	Grantee	Project Name	State
OWEB 99-603A	OWEB	Riparian Plant Survival Enhance	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$17,377	Middle Columbia

Project Description

Eight watershed restoration projects are proposed: three road crossing improvements, two road improvement projects, and two riparian planting projects. Only the two riparian planting projects are recommended for funding.

Project Ref	Grantee	Project Name	State
OWEB 99-603B	OWEB	Riparian Habitat Improve Ed/Demo	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$22,500	Lower Snake

Project Description

Eight watershed restoration projects are proposed: three road crossing improvements, two road improvement projects, and two riparian planting projects. Only the two riparian planting projects are recommended for funding.

Project Ref	Grantee	Project Name	State
OWEB 99-604	OWEB	Alder Creek Juniper Management Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-31-JUL-03	Salmon Habitat Protection and Restoration	$0	$24,980	John Day

Project Description

Control juniper on 360 acres in Alder Creek, which contains ESA-listed summer steelhead.

Project Ref	Grantee	Project Name	State
OWEB 99-605	OWEB	Johnson Creek Watershed Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-04-APR-02	Salmon Habitat Protection and Restoration	$0	$4,680	John Day

Project Description

Construct off-stream water source and fence riparian area to exclude livestock from section of Johnson Creek.

Project Ref	Grantee	Project Name	State
OWEB 99-606	OWEB	Mountain Creek Riparian Planting Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-30-JUN-03	Salmon Habitat Protection and Restoration	$1,910	$0	John Day

Project Description

Plant native trees and shrubs on a reach of Mountain Creek that has been fenced since 1990.

Project Ref	Grantee	Project Name	State
OWEB 99-607	OWEB	Parrish Creek Riparian Pasture Phase 2	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-08-DEC-03	Salmon Habitat Protection and Restoration	$0	$11,725	John Day

Project Description

Construct an off-channel water station for use by livestock and wildlife as an alternative to Parrish Creek. Fence two miles of the riparian area.

Project Ref	Grantee	Project Name	State
OWEB 99-608	OWEB	West Branch Creek Riparian Corridor Fencing Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-04-APR-02	Salmon Habitat Protection and Restoration	$0	$8,540	John Day

Project Description

Construct fence on approximately 1.75 mi. of Bridge Creek to exclude livestock from riparian area. Construct water gap.

Project Ref	Grantee	Project Name	State
OWEB 99-609	OWEB	Andersen Erosion Control	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-06-AUG-02	Salmon Habitat Protection and Restoration	$0	$2,250	John Day

Project Description

Install sediment catch basin/settling pond to capture overland flow, and reduce erosion, sediment and nutrient delivery to the North Fork of the John Day River. Captured water would be used for irrigation and replace water diverted from the river.

Project Ref	Grantee	Project Name	State
OWEB 99-618	OWEB	Fencing Stockpile/Oregon Riparian Habitat Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-30-JUN-03	Salmon Habitat Protection and Restoration	$0	$357,000	Southern Oregon Coastal

Project Description

Purchase riparian fencing materials to stockpile at ODFW district offices. Administer program to use fencing materials to negotiate riparian fencing agreements with landowners along streams. The sites will be selected using the Oregon AHREG.

Project Ref	Grantee	Project Name	State
OWEB 99-629	OWEB	Interagency-ODFW Fish Passage	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JAN-00-24-FEB-03	Salmon Habitat Protection and Restoration	$0	$4,000,000	Oregon

Project Description

Fish screening and passage project.

Project Ref	Grantee	Project Name	State
OWEB 99-905	OWEB	OWEB CREP Program 1999-01	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	--30-JUN-01	Salmon Habitat Protection and Restoration	$0	$300,000	Oregon

Project Description

OWEB CREP Program 1999-01

Project Ref	Grantee	Project Name	State
OWEB 99-906	OWEB	Oregon Dept of Agriculture Small Grant Program 1999-01	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	--30-JUN-01	Salmon Habitat Protection and Restoration	$0	$225,000	Oregon

Project Description

Oregon Dept of Agriculture small grant program

Project Ref	Grantee	Project Name	State
KRITFWC - Yuro	KRITFWC Yurok Tribe	Instream restoration and Monitoring of Select Lower Klamath Tributaries	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-FEB-03-01-MAY-02	Salmon Habitat Protection and Restoration	$40,000	$0	Klamath

Project Description

Monitor juvenile abundance/restore instream habitat in McGarvey Creek. Emigration and modified barriers to provide access to additional anadromous habitat

Project Ref	Grantee	Project Name	State
2004-3-04	CRITFC Warm Springs Tribes	West Fork Hood River Wood Placement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$70,000	$0	Middle Columbia

Project Description

This project will place large woody material in the upper West Fork Hood River in an area close to a Bonneville Power Administration (BPA) powerline right-of-way. As a result of BPA management practices, vegetation in close proximity to the power lines are reduced and mantained at minimal heights. This in turn reduces the amount of wood recruited to the area and has resulted in an unstable channel more prone to meander and avulsion. The project reach contans spring chinook and iwld summer steelhead holding, spawning, and rearing habitat.

Project Ref	Grantee	Project Name	State
2004-3-05	CRITFC Warm Springs Tribes	Watershed Maintenance on the Warm Springs Reservation IV	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-DEC-04	Salmon Habitat Protection and Restoration	$72,998	$0	Deschutes

Project Description

The project will allow for continued maintenance on up to 36 miles of fencing funded by CTWSRO and PCSRF. Improvements are needed (gates, fisherman access) to reduce the degree of vandalism. Additionally, measurement of streambank stability, vegetative status and substrate imbeddedness inside and outside of the exclosure is needed to quantify fish abundance and riparian protection.

Project Ref	Grantee	Project Name	State
2003-3-01	CRITFC Warm Springs Tribes	Warm Springs Reservation Watershed Project Maintenance III	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-NOV-03-31-DEC-05	Salmon Habitat Protection and Restoration	$43,863	$0	Deschutes

Project Description

The CTWSRO has implemented over 30 miles of riparian exclosure fencing and has implemented over $120000 of solar water developments to keep livestock away from sensitive streambank areas. Results from these projects were not demonstrating desired improvements as quickly as intended for many reasons. Increased fence patrol and treatments for noxious weeds and juniper encroachment are needed to reach the desired results for these riparian protection projects. This project is an ongoing program, to be continued with funding from FY 2004.

Project Ref	Grantee	Project Name	State
2003-3-04	CRITFC Warm Springs Tribes	W231A Road Rocking Project (Warm Springs River Watershed Restoratio	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-NOV-03-31-DEC-05	Salmon Habitat Protection and Restoration	$11,000	$0	Deschutes

Project Description

The objective of this project is to reduce the production and delivery of fine sediments from the W-231A Road into the Warm Springs River. This will be accomplished by the stabilization of this road surface with four to twelve inches of three inch minus crushed rock, which will be packed in place. The total miles of road to be stabilized will be approximately 0.61 miles. This will benefit spring Chinook salmon, summer steelhead, and bull trout by reducing the fine sediment content and embeddedness of stream substrates resulting in more suitable spawning and rearing habitat.

Project Ref	Grantee	Project Name	State
2003-3-06	CRITFC Warm Springs Tribes	Badger Creek Watershed Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-NOV-03-31-DEC-05	Salmon Habitat Protection and Restoration	$40,000	$0	Deschutes

Project Description

Objective of this project is to reduce the production and delivery of fine sediments from the B-260 Road into Badger Creek. This will be accomplished by the pullback and reconstruction of 1.0 miles of the B-260 Road where it impinges upon Badger Creek, and the replacement of an undersized culvert. Additionally, 3.5 miles of the B-260 Road, 2 miles of the B-160 Road and 1.6 miles of the B-164 Road will be stabilized with four to six inches of three inch minus crushed rock, which will be packed in place.

Project Ref	Grantee	Project Name	State
2003-3-08	CRITFC Warm Springs Tribes	W245 Road Rocking Project (Warm Springs River Watershed Restoration)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-NOV-03-31-DEC-05	Salmon Habitat Protection and Restoration	$53,837	$0	Deschutes

Project Description

The objective of this project is to reduce the production and delivery of fine sediments from the W-245 Road into the Warm Springs River. This will be accomplished by the stabilization of this road surface with four to twelve inches of three inch minus crushed rock, which will be packed in place. The total miles of road to be stabilized will be approximately 1.2 miles. This will benefit spring Chinook salmon, summer steelhead, and bull trout by reducing the fine sediment content and embeddedness of stream substrates resulting in more suitable spawning and rearing habitat.

Project Ref	Grantee	Project Name	State
2002-3-01	CRITFC Warm Springs Tribes	Warm Springs Reservation Watershed Project Maintenance II	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-DEC-02-31-DEC-04	Salmon Habitat Protection and Restoration	$36,258	$0	Deschutes

Project Description

The CTWSRO has implemented over 30 miles of riparian exclosure fencing and has implemented over $120000 of solar water developments to keep livestock away from sensitive streambank areas. Results from these projects were not demonstrating desired improvements as quickly as intended for many reasons. Increased fence patrol and treatments for noxious weeds and juniper encroachment are needed to reach the desired results for these riparian protection projects. This project is an ongoing program, to be continued with funding from FY 2003.

Project Ref	Grantee	Project Name	State
2002-3-03	CRITFC Warm Springs Tribes	Fifteenmile Creek Weed Treatment and Tree Planting Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-DEC-02-31-DEC-04	Salmon Habitat Protection and Restoration	$3,340	$0	Middle Columbia

Project Description

This project will enroll 1,730 feet of Fifteenmile Creek and 13.8 acres of surrounding floodplain area into the Conservation Reserve Enhancement Program (CREP), administered by the USDA. The project involves a riparian enclosure, tree planting, and maintenance of the area (weed control, etc).

Project Ref	Grantee	Project Name	State
2002-3-04	CRITFC Warm Springs Tribes	Warm Springs Aquatic Habitat Restoration and Public Awareness Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-DEC-02-31-DEC-04	Salmon Habitat Protection and Restoration	$110,384	$0	Deschutes

Project Description

The project goal is to implement actions designed to restore aquatic habitat for spring Chinook, summer steelhead, and bull trout in streams and improve tribal public awareness of aquatic habitat issues and restoration opportunities.

Project Ref	Grantee	Project Name	State
2002-3-07	CRITFC Warm Springs Tribes	East Fork Irrigation District Central Lateral Canal Project II	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-03-31-DEC-04	Salmon Habitat Protection and Restoration	$93,703	$0	Middle Columbia

Project Description

This project proposes to pipe and existing open ditch, extend the pipeline down a slope, provide an inverted siphon under Neal Creek, and connect with the Eastside Ditch.

Project Ref	Grantee	Project Name	State
705343	CDFG	Little River Habitat Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-04-31-OCT-05	Salmon Habitat Protection and Restoration	$0	$56,067	Northern California Coastal

Project Description

This project will address sediment added to the Little River which is related to the historic riparian road, and will place instream structures to improve the quality of rearing habitat.

Project Ref	Grantee	Project Name	State
705344	CDFG	Trinity River Bridges Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	15-MAY-04-30-MAR-06	Salmon Habitat Protection and Restoration	$0	$1,197,057	Klamath

Project Description

The project will result in the replacement of two bridges at Poker Bar on the Trinity River and the installation of an arch culvert adjacent to the Bucktail Bridge. Combined with existing funding for replacement of 2 other bridges at Biggers Road and Sand Flat, this will allow implementation of the Trinity River Record of Decision and the Trinity River Sediment TMDL, as well as greater operational flexibility for CVP dam operators and increased public saftey.

Project Ref	Grantee	Project Name	State
705348	CDFG	Middle Van Duzen Watershed Restoration Implementation Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$601,340	Northern California Coastal

Project Description

Reduce impacts and restore salmonid habitat through implementation of site specific and prioritized road decommissioning, upgrading, erosion control and erosion prevention work in the Middle Van Duzen River Watershed, Humboldt County, California.

Project Ref	Grantee	Project Name	State
705359	CDFG	Bear River Channel Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$35,934	Northern California Coastal

Project Description

Enhance salmonid habitat in the Bear River by stabilizing 2,300 feet of eroding stream bank and reducing the amount of fine sediment delivered to the system, while at the same time adding complex instream cover and increasing the riparian canopy.

Project Ref	Grantee	Project Name	State
705366	CDFG	8.5 Mile Road Decommissioning Project, Upper North Fork Noyo, Mendoci	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$137,495	$0	Northern California Coastal

Project Description

Reduce impacts and restore salmonid habitat through implementation of site specific and prioritized road decommissioning on 8.5 miles of road in the Upper North Fork Noyo River watershed, Mendocino County, California.

Project Ref	Grantee	Project Name	State
705367	CDFG	Willow Creek Road Erosion Control	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$98,859	$0	California

Project Description

Implement erosion control remedies to Willow Creek Road as recommended in "Willow Creek Watershed Evaluation, Road Erosion Inventory" prepared for the CDFG (#P9985154). The work would include repairs and replacements of road features recommended in the Inventory such as rolling dips, critical dips, upgraded culverts and trash racks.

Project Ref	Grantee	Project Name	State
705372	CDFG	Garrapata Creek Watershed Restoration Implementation Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$213,011	$0	Central California Coastal

Project Description

Reduce impacts and restore salmonid habitat through the implementation of site specific and prioritized road decommissioning, upgrading, erosion control and erosion prevention work in the Garrapata Creek watershed in the Big Sur coastal region, south of Carmel, California.

Project Ref	Grantee	Project Name	State
705384	CDFG	Fiscalini Bank Stabilization Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$124,201	$0	Central California Coastal

Project Description

Stabilize, reconstruct, re-vegetate, and improve salmonid habitat and passage along a 350-foot long, 30-foot high, non-vegetated creek bank that is actively eroding tons of prime agriculture land causing sedimentation of Santa Rosa Creek.

Project Ref	Grantee	Project Name	State
705395	CDFG	Morrison Creek Fish Passage Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$15,293	Northern California Coastal

Project Description

Restore fish passage and improve instream habitat in Morrision Creek for salmonids by removing a historical dam and fish barrier, installing three instream log structures, and plating 200 conifers in the project site's riparian area. The project will allow anadromous fish to access more than one mile of previously unavailable spawning and rearing habitat.

Project Ref	Grantee	Project Name	State
705059	CDFG	Mattole Estuary Habitat Improvement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$42,544	Northern California Coastal

Project Description

Create scour pools and improved habitat complexity by installing four complex boulder clusters using large woody debris.

Project Ref	Grantee	Project Name	State
705064	CDFG	Anderson Creek Watershed Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$385,183	Northern California Coastal

Project Description

Maintain and improve key coho and steelhead spawning and rearing habitat of Anderson Creek by purchasing a conservation easement (22 acres) and fee title acquisition (190 acres) in the Anderson Creek Watershed.

Project Ref	Grantee	Project Name	State
705208	CDFG	Yager Creek Channel Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Habitat Protection and Restoration	$71,199	$0	Northern California Coastal

Project Description

Will enhance salmonid habitat by stabilizing 2.030 feet of eroding stream bank and reducing the amount of fine sediment delivered to the system, while at the same time adding complex instream cover and increasing the riparian canopy. The construction and placement of large wood and boulder structures, the placement of will baffles and willow pods, and the planting of riparian trees.

Project Ref	Grantee	Project Name	State
705302	CDFG	Dairy Creek Upslope Erosion Control Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Habitat Protection and Restoration	$63,430	$0	Central California Coastal

Project Description

Reduce sedimentation of steelhead habitats in Dairy Creek and Chorro Creek, protect riparian habitat from uncontrolled grazing access, and establish woody vegetation in gully areas for long-term erosion control. Stabilize 1,200 feet of eroding gully areas, 1,200 feet of eroding roads and control grazing access to 2,000 feet of Dairy Creek.

Project Ref	Grantee	Project Name	State
706314	CDFG	Mattole River at French Ranch - CCC 02/03	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-15-OCT-02	Salmon Habitat Protection and Restoration	$9,487	$0	California

Project Description

Construct four boulder wing deflectors to prevent further bank erosion and to reduce sediment delivery on a 400' reach of the Mattole River.

Project Ref	Grantee	Project Name	State
720043	CDFG	Diamond R 03	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-17-SEP-03	Salmon Habitat Protection and Restoration	$9,981	$0	Northern California Coastal

Project Description

The project will improve and protect instream habitat for Chinook salmon and steelhead trout by anchoring existing LWD in the stream channel and stabilizing 60¿ of eroding steam bank. This will be accomplished by completing the following tasks:
A.Placing 30 tons of 4 ton boulder in the channel and anchoring to the existing LWD in the channel
B.Constructing a 15 ton boulder wing deflector on the right bank, upstream of the LWD site.
C.Placing two rows of 20, 4 ton boulder along a 60¿ section of eroding stream bank.

Project Ref	Grantee	Project Name	State
720044	CDFG	Howe Creek 2002 Restoration Maintenance	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-20-OCT-03	Salmon Habitat Protection and Restoration	$9,713	$0	Northern California Coastal

Project Description

The project will improve and protect instream habitat for Chinook salmon and steelhead trout by allowing existing bank protection and fish habitat structures to function preventing new landslides and sediment delivery to Howe Creek. This will be accomplished by completing the following tasks:
A.Armor the left bank with 4-6 ton boulder above existing armor at the 1999 Howe Creek Site.
B.Armor the right bank upstream of Howe Creek ¿01 site ¿E¿ with 4-6 ton boulder.
C.Construct a boulder wing deflector keyed in to the left bank at site ¿E¿ using 4-6 ton boulder.
D.Construct two, 4-6 ton, boulder, hard points on exposed banks above existing rock log structures at Howe Creek ¿01 site ¿F¿.

Project Ref	Grantee	Project Name	State
720045	CDFG	Muddy Creek	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-12-SEP-03	Salmon Habitat Protection and Restoration	$9,049	$0	Northern California Coastal

Project Description

The project will improve and protect instream habitat and fish passage for Chinook salmon and steelhead trout by removing a failing log stringer bridge and replacing it with a 10¿ arch culvert. This will be accomplished by completing the following tasks:
A.Remove the log stringer bridge and the associated sediment and debris using an excavator.
B.Place a 10 GA 10¿ arch culvert in the channel aligned with the thalwag.
C.Cover the culvert with ballast.
D.Armor the exposed banks upstream and downstream of the culvert with ½ ton boulder.

Project Ref	Grantee	Project Name	State
720046	CDFG	Refuge Creek	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-15-OCT-03	Salmon Habitat Protection and Restoration	$9,871	$0	Northern California Coastal

Project Description

The project will improve and protect instream habitat for Chinook salmon and steelhead trout by removing a failed 4¿ culvert and the associated fill and installing a wet raised rock ford. This will be accomplished by completing the following tasks:
A.Placing a 6¿ ABS flex pipe to divert stream flow.
B.Removing and end hauling a partially failed 4¿ culvert and the associated road fill.
C.Installing a critical dip and armoring with pit run rock.
D.Armoring the channel above the road with ½ ton boulder.
E.Armoring the lower slope of the road prism with 2 ton boulder.
F.Rocking the crossing surface with 3-6¿ screened rock.

Project Ref	Grantee	Project Name	State
720047	CDFG	Sweet Creek Maintenance	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-10-SEP-03	Salmon Habitat Protection and Restoration	$9,978	$0	Northern California Coastal

Project Description

The project will improve and protect instream habitat for Chinook salmon and steelhead trout by repairing damage to existing restoration work designed to reduce erosion and sediment delivery to Sweet Creek. This will be accomplished by completing the following tasks:
A.Adding 20 tons of ½ ton boulder to a water crossing at site 2.
B.Adding 45 tons of 4 ton boulder to existing armored stream bank at site 5
C.Reconstructing the road prism with 60 yards of pit run rock at site 5
D.Adding 30 tons of 2 ton boulder to the inboard slope at site 5
E.Creating two boulder hard points along a 30¿ reach of eroding streambank using 30 tons of 2 ton boulder at site 5a.
F.Armoring 30 feet of inboard ditch with 30 tons of ½ ton boulder at site 1.
G.Adding 35 tons of ½ ton boulder to the water crossings at sites 2 - 5.
H.Creating two armored rolling dips using 20 tons of ½ ton boulder at sites 6 and 7.
I.Adding 10 tons of ½ ton boulder to a water crossing at site 8

Project Ref	Grantee	Project Name	State
100099	NWIFC Tulalip Tribe	Tulalip Native Plant Nursery and Plant Salvage Program	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Salmon Habitat Protection and Restoration	$44,265	$0	Puget Sound

Project Description

The Tulalip Tribes have implemented a native plant nursery and greenhouse project, using plants salvaged from construction sites. The Tribes currently have approximately 5,000 native plants stored for future restoration projects. These plants will be used for salmon habitat improvement or restoration projects in the form of streamside and wetland plantings. Tulalip Tribal members are finding that some vegetative species of cultural significance are becoming difficult to locate and harvest for tribal cultural activities so they are planning to prioritize salvaging plants of cultural significance to grow, reproduce and replant as part of the salmon habitat improvement projects.

Project Ref	Grantee	Project Name	State
100105	NWIFC Tulalip Tribe	Salmon Habitat Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Salmon Habitat Protection and Restoration	$20,000	$0	Puget Sound

Project Description

The Tulalip Tribes will be contracting with the Salmon Corps program for conducting salmon restoration projects within the Snohomish and Stillaguamish river basins. The projects have not been selected yet but may include; replanting riparian corridors, fencing stream corridors to keep livestock out of the streams, and instream enhancement projects.

Project Ref	Grantee	Project Name	State
100098	NWIFC Tulalip Tribe	Tulalip Greenhouse and Plant Salvage Program	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-SEP-02	Salmon Habitat Protection and Restoration	$19,695	$0	Puget Sound

Project Description

The Tulalip Tribes have implemented a native plant nursery and greenhouse project, using plants salvaged from construction sites. The Tribes currently have approximately 5,000 native plants stored for future restoration projects. These plants will be used for salmon habitat improvement or restoration projects in the form of streamside and wetland plantings. Tulalip Tribal members are finding that some vegetative species of cultural significance are becoming difficult to locate and harvest for tribal cultural activities so they are planning to prioritize salvaging plants of cultural significance to grow, reproduce and replant as part of the salmon habitat improvement projects.

Project Ref	Grantee	Project Name	State
100104	NWIFC Tulalip Tribe	Salmon Habitat Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-SEP-02	Salmon Habitat Protection and Restoration	$12,000	$0	Puget Sound

Project Description

The Tulalip Tribes will be contracting with the Salmon Corps program for conducting salmon restoration projects within the Snohomish and Stillaguamish river basins. The projects have not been selected yet but may include; replanting riparian corridors, fencing stream corridors to keep livestock out of the streams, and instream enhancement projects.

Project Ref	Grantee	Project Name	State
100103	NWIFC Tulalip Tribe	Salmon Habitat Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-00-30-SEP-01	Salmon Habitat Protection and Restoration	$66,510	$0	Puget Sound

Project Description

The Tulalip Tribes will be contracting with the Salmon Corps program for conducting salmon restoration projects within the Snohomish and Stillaguamish river basins. The projects have not been selected yet but may include; replanting riparian corridors, fencing stream corridors to keep livestock out of the streams, and instream enhancement projects.

Project Ref	Grantee	Project Name	State
107000	NWIFC Suquamish Tribe	Dogfish Creek Estuary Restoration and Fish Park Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-04	Salmon Habitat Protection and Restoration	$55,967	$0	Puget Sound

Project Description

The culvert removal/bridge project construction was begun in the spring of 2003 and will be completed during the summer and fall of 2003 with the Salmon Recovery Coordinator (SRC) part of the project management team. The acquisition of the adjacent 13 acres was completed in 2002, but the restoration design was begun in 2003 and is on-going with the SRC providing project direction and management.

The bridge project rated the highest priority for estuarine restoration by the East Kitsap WRIA-15 SRFB TAC in 2000. The bridge project entailed replacing the existing 6-foot diameter culvert with an 88 foot bridge to allow saltwater to flood 9 acres for the first time in 35 years. This will restore a significant epibenthic community and estuarine plant assemblages for foraging migrating chinook, coho, chum, steelhead, and cutthroat. The project benefits both Dogfish Creek salmonids, and those salmonid stocks from other watersheds that migrate along the shoreline. Dogfish Creek estuary is located in the City of Poulsbo, Kitsap County, on the west side of Central Puget Sound.

The SRC, assigned to the East Kitsap WRIA-15 SRFB TAC as the Tribal Representative, wrote the technical portions of the $1.4 million grant proposal for the City of Poulsbo and a matching grant proposal of $0.3 million to the Washington Department of Transportation. The City provided project administration, additional restoration funding, and seeks to integrate additional land upstream and downstream of the project site into a salmon park and Poulsbo Environmental Learning Center. The SRC participates on the Project Management Team overseeing bridge design, permit submittal, and estuarine monitoring. An expedited permit process was attempted under SRFB and DOT¿s new regulations in an attempt to build the bridge during the summer of 2002, but failed due to projected cost overruns. Finalizing design, permit review, monitoring, and preparation of construction bid documents took place between September 2002 and April 2003. Selection of a contractor took place in late 2002 and bridge components were ordered for a summer 2003 construction season.

In addition, 13 acres located contiguously upstream of the bridge project were proposed for restoration by the SRC in 2001 who wrote the technical portion of the $450,000 proposal that was successfully funded in April, 2002. The property will be used to stage construction of the bridge, which will be converted to a salmon park in 2004. The Poulsbo City Council approved acquisition of the 13 acres in June, 2002, removing this property from industrial zoning and placing the property in conservation zoning. The SRC will participate in the design and restoration on this site during FY 2003

Project Ref	Grantee	Project Name	State
107001	NWIFC Suquamish Tribe	Gorst Creek Stream Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-04	Salmon Habitat Protection and Restoration	$12,162	$0	Puget Sound

Project Description

This project is a continuation of a project completed with 2000 PCSR funding (refer to the Suquamish Tribe¿s 2000 and 2001 PCSR MOA Final Reports). An HPA permit by WDFW allowed the Suquamish Tribe to add LWD and spawning gravel for the next 5 years.

This project rated highest priority for salmon restoration by the East Kitsap WRIA-15 Salmon Recovery Funding Board (SRFB) Technical Advisory Committee (TAC) in 1999. The project demolished a 900¿ concrete channel located at Jarstad Park and constructed a 1,200¿ natural stream channel. The new channel provides 5,000 tons of spawning gravel, several hundred tons of LWD, and extensive riparian restoration. The new stream restored functional habitat for the benefit of the naturally spawning coho, chum, cutthroat, steelhead, and chinook salmon. Gorst Creek is located near Bremerton in East Kitsap County on the west side of central Puget Sound.

The Tribal Salmon Recovery Coordinator (SRC), was assigned to the East Kitsap WRIA-15 SRFB TAC as the Tribal Representative, and partnered with the City of Bremerton to write the $368,000 first round SRFB grant, finalize design, secure permits, and select the project contractor. Bremerton provided $132,000 in grant matching costs included LWD and grant administration, and donating the project site. The SRC directed the project for the City of Bremerton. The instream work was completed August 31st 2001. The riparian re-vegetation planting, coordinated by the SRC, began in the fall/winter of 2002 and is on-going. As noted above, WDFW permitted the Tribe to continue further placement of LWD, spawning gravel, large rock, and re-vegetation during FY 2003.

Project Ref	Grantee	Project Name	State
100154	NWIFC Suquamish Tribe	Gorst Creek Stream Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Salmon Habitat Protection and Restoration	$33,367	$0	Puget Sound

Project Description

Design the removal of 900 feet of concrete channel from Gorst Creek near Bremerton, Washington. Rehabilitate stream for use by salmon by remeandering stream, adding large woody debris, and planting the riparian area.

Project Ref	Grantee	Project Name	State
100156	NWIFC Suquamish Tribe	Salmonberry Creek Stream Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Salmon Habitat Protection and Restoration	$28,975	$0	Puget Sound

Project Description

Remeander a 1500 foot channelized section of Salmonberry Creek southeast of Port Orchard, Washington. Provide rearing habitat for coho salmon. Pursue conservation easements for the restored reach.

Project Ref	Grantee	Project Name	State
100158	NWIFC Suquamish Tribe	Dogfish Creek Estuary Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Salmon Habitat Protection and Restoration	$55,755	$0	Puget Sound

Project Description

Replace existing six-foot culvert with a bridge, allowing saltwater to reenter an eight-acre former estuary area that was diked in the 1930s. Bridge will also allow easy fish passage in both directions.

Project Ref	Grantee	Project Name	State
100153	NWIFC Suquamish Tribe	Gorst Creek Stream Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-SEP-02	Salmon Habitat Protection and Restoration	$45,691	$0	Puget Sound

Project Description

Design the removal of 900 feet of concrete channel from Gorst Creek near Bremerton, Washington. Rehabilitate stream for use by salmon by remeandering stream, adding large woody debris, and planting the riparian area.

Project Ref	Grantee	Project Name	State
100155	NWIFC Suquamish Tribe	Salmonberry Creek Stream Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-SEP-02	Salmon Habitat Protection and Restoration	$30,962	$0	Puget Sound

Project Description

Remeander a 1500 foot channelized section of Salmonberry Creek southeast of Port Orchard, Washington. Provide rearing habitat for coho salmon. Pursue conservation easements for the restored reach.

Project Ref	Grantee	Project Name	State
100157	NWIFC Suquamish Tribe	Dogfish Creek Estuary Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-SEP-02	Salmon Habitat Protection and Restoration	$23,297	$0	Puget Sound

Project Description

Replace existing six-foot culvert with a bridge, allowing saltwater to reenter an eight-acre former estuary area that was diked in the 1930s. Bridge will also allow easy fish passage in both directions.

Project Ref	Grantee	Project Name	State
100152	NWIFC Suquamish Tribe	Gorst Creek Stream Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-00-30-SEP-01	Salmon Habitat Protection and Restoration	$92,308	$0	Puget Sound

Project Description

Design the removal of 900 feet of concrete channel from Gorst Creek near Bremerton, Washington. Rehabilitate stream for use by salmon by remeandering stream, adding large woody debris, and planting the riparian area.

Project Ref	Grantee	Project Name	State
2004-STIL-03	NWIFC Stillaguamish Tribe	Verification of DNR stream typing designations	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$13,585	$0	Puget Sound

Project Description

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Project Ref	Grantee	Project Name	State
2004-STIL-07	NWIFC Stillaguamish Tribe	Habitat Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$77,019	$0	Puget Sound

Project Description

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Project Ref	Grantee	Project Name	State
114003	NWIFC Stillaguamish Tribe	Verification of DNR stream typing designations within the Stillaguamish wa	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-SEP-04	Salmon Habitat Protection and Restoration	$17,000	$0	Puget Sound

Project Description

Washington State Department of Natural Resources is the agency charged with recording stream types for all watersheds statewide. Often, this is accomplished from an office with little or no field verification. The Tribe will continue to verify these classifications on a case by case basis during it¿s review of forest practice applications within the Stillaguamish watershed. The verification and upgrade of stream type designations will ensure that salmonid habitat is protected to the maximum extent possible. One biologist and one field tech will do all verifications.

Project Ref	Grantee	Project Name	State
114005	NWIFC Stillaguamish Tribe	Stillaguamish watershed habitat restoration projects	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-SEP-03	Salmon Habitat Protection and Restoration	$136,600	$0	Puget Sound

Project Description

We will complete three salmon habitat restoration projects within the Stillaguamish River watershed during the 2004 field season. These projects have been identified as high priority by watershed-wide ranking processes. Removal of salmon migration barriers has been identified as the most cost effective means of achieving salmon recovery in the Stillaguamish watershed. These projects will be focused on coho and chinook habitat restoration but benefits will accrue to other salmonid species as well.

The first restoration will be a culvert removal/replacement The crossing is privately owned. Our analysis shows that we can expect to increase coho smolt production as a result of the project by approximately 20,000 annually.

The second restoration will be removal of a concrete check dam. This dam supplies water to the Tribe¿s North Fork Hatchery. Currently the dam is a migration barrier to all salmonids. The project will consist of two primary tasks: (1) creation of a water source for the hatchery by constructing a French drain on the hill side above the dam; and (2) installation of LWD and large in the channel below the dam; and removal of the dam itself. We expect to open up a minimum of 1600 linear feet of coho spawning habitat which will result in an annual increase of smolt outmigrant production of 40,000.

The third project entails reconnecting ½ mile of Fortson Creek that was cut off during a high flow event. Fortson Creek is one of the most productive North Fork tributaries for coho.

We anticipate that these projects will be completed primarily with heavy equipment operator subcontracts with on-site monitoring by existing staff. Approximately 1/2 FTE will be dedicated to overseeing this project

Project Ref	Grantee	Project Name	State
100149	NWIFC Stillaguamish Tribe	Habitat Restoration and Assessment Projects	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-JUN-03	Salmon Habitat Protection and Restoration	$118,709	$0	Puget Sound

Project Description

This project has five components:
1) Culvert replacement (one);
2) Instream and riparian habitat enhancement, and fish passage, project;
3) Riparian fencing;
4) Reconnect a stream to its floodplain;
5) Stillaguamish River estuary assessment.

Project Ref	Grantee	Project Name	State
108003	NWIFC Skokomish Tribe	Skokomish River Landscape/Parcel Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-SEP-04	Salmon Habitat Protection and Restoration	$177,810	$0	Puget Sound

Project Description

This project supports the acquisition of lands and ultimate designation of such lands into a river trust/conservancy for long-term habitat protection. It follows other successful landscape purchases that have been shown to be the best and most cost-effective return for resource protective mechanisms. While a significant portion of the lower Skokomish floodplain is in Reservation trust status, north of the river, the south bank and landscapes to the west are not. The southern landscapes have been agriculturally modified and are continued to be part of haying operation. This project allows for supplementary funds to be accessed from this fund, and combined with Washington Salmon Recovery funds, among others, for a land purchase, with additional riparian enhancement taking place through other programs. Appraisals, surveying and oversight are included with project budget. This project is contingent upon willing landowners agree to sell their properties for appraised price determined independently, or for re-negotiated prices, within certain program limitations.

Timing of project has commenced, with discussion with landowner(s) and land trust staff taking place. Appraisals were ordered in 2002, and are available for multiple properties.

Project Ref	Grantee	Project Name	State
108004	NWIFC Skokomish Tribe	Big Quilcene River - Large Woody Debris (LWD) Design, Installation, Over	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-SEP-04	Salmon Habitat Protection and Restoration	$19,037	$0	Puget Sound

Project Description

This project provides support and application of site ¿ specific design and oversight of large woody debris (LWD) construction in the Big Quilcene River, within the Skokomish treaty area. It follows and supports another successful LWD installation in the same landscape that took place the previous year with support by the Washington Salmon Recovery Board. A significant amount of habitat assessments, enhancement and restoration have taken place primarily in the lower Skokomish floodplain. However, the Skokomish Indian Tribe¿s usual and accustomed area as defined by the 1855 Treaty of point No Point and the affirmed in Us v Washington is the majority of the Hood Canal drainage basin. The Big Quilcene is located 45 miles to the north of the Skokomish Indian Reservation. This project when combined with a Washington Salmon Recovery project of flood plain assessment and an earlier LWD installation provides for additional monitoring and documentation of channel changes due to engineered LWD projects. This project has multiple seasonal monitoring associated with the design and oversight of installation of he LWD structure(s).

Timing of project has commenced, with discussion with landowner(s) consultants and other relevant interested stakeholders.

Project Ref	Grantee	Project Name	State
100123	NWIFC Skokomish Tribe	Reservation-based Invasive Exotic Vegetation and Native Plant Re-vegetat	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	--30-JUN-02	Salmon Habitat Protection and Restoration	$18,557	$0	Puget Sound

Project Description

Exotic invasive plants such as English ivy, Scotch broom, and Japanese knotweed have become prevalent in sections of the lower Skokomish River basin, in areas that have been used as illegal dumps. This project's aim is to remove the waste from these areas, reduce the number of exotic plants, and plant native species which are more conducive to long-term riparian function. Woody debris will also be deposited in the riparian areas to function during high-water events. This project will be done in conjunction with other projects funded under the PCSRF program in order to prevent or minimize the subsequent illegal dumping. It is hoped this area can be returned to productive salmon habitat.

Project Ref	Grantee	Project Name	State
100126	NWIFC Skokomish Tribe	Skokomish Reservation Roads - Gate Installation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Salmon Habitat Protection and Restoration	$4,866	$0	Puget Sound

Project Description

Construct and install 3-4 road gates to prevent entry and refuse dumping in sensitive riparian areas along the lower Skokomish River.

Project Ref	Grantee	Project Name	State
100128	NWIFC Skokomish Tribe	Skokomish River Landscape/Parcel Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Salmon Habitat Protection and Restoration	$85,635	$0	Puget Sound

Project Description

Acquire land on the south bank of the lower Skokomish River for purposes of habitat restoration.

Project Ref	Grantee	Project Name	State
100130	NWIFC Skokomish Tribe	Skokomish River Road Culvert Removal / Replacement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-01-30-SEP-02	Salmon Habitat Protection and Restoration	$29,916	$0	Puget Sound

Project Description

Provide access for anadromous fishes to wetlands and estuary areas in the lower Skokomish River.

Project Ref	Grantee	Project Name	State
100132	NWIFC Skokomish Tribe	Skokomish River Road Timber Span Installation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	13-APR-03-30-JUN-03	Salmon Habitat Protection and Restoration	$9,925	$0	Puget Sound

Project Description

Cattle will be excluded from a stream channel in order to reduce bank erosion and fecal coliform levels in the stream.

Project Ref	Grantee	Project Name	State
100064	NWIFC Skokomish Tribe	Habitat Restoration of a Degraded Section of the mid-Quilcene River	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Habitat Protection and Restoration	$46,798	$0	Puget Sound

Project Description

This project entails restoration of a degraded section of the mid-Quilcene River; reverting the River channel back to its existing conditions, and re-connecting the floodplain and the river channel. Completed activities for Phase 1 of this Habitat Restoration project included a reach analysis and feasibility study to assess current information (photo record, channel locations, anthropogenic impacts, etc.) focusing on historical channel migration in the floodplain and current habitat and geomorphologic conditions to outline alternative scenarios for future floodplain enhancement. Planned tasks under Phase 1 include 1) Design and construct a pilot LWD placement/monitoring project to halt and/or reverse incision of the channel, create pool/riffle habitats, increase pool frequency and cover, provide structure, and to begin to document sediment transport within this reach; 2)Outline programs and incentives of conservation easements, CREP, etc., that are available to the landowner; 3) Outline appropriate floodplain options and scope of work necessary to restore floodplain connectivity in Phase II. These options will include approaches to restoring side channels and riparian forest (i.e. anastomosing reach), increasing channel sinuosity and enhancing in-stream structure; and 4) Acquisition of a riverfront portion of the Baclawski property that the owner intends to sell (approximately 15 acres).

Project Ref	Grantee	Project Name	State
100122	NWIFC Skokomish Tribe	Reservation-based Invasive Exotic Vegetation and Native Plant Re-vegetat	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	--30-JUN-02	Salmon Habitat Protection and Restoration	$21,097	$0	Puget Sound

Project Description

Exotic invasive plants such as English ivy, Scotch broom, and Japanese knotweed have become prevalent in sections of the lower Skokomish River basin, in areas that have been used as illegal dumps. This project's aim is to remove the waste from these areas, reduce the number of exotic plants, and plant native species which are more conducive to long-term riparian function. Woody debris will also be deposited in the riparian areas to function during high-water events. This project will be done in conjunction with other projects funded under the PCSRF program in order to prevent or minimize the subsequent illegal dumping. It is hoped this area can be returned to productive salmon habitat.

Project Ref	Grantee	Project Name	State
100127	NWIFC Skokomish Tribe	Skokomish River Landscape/Parcel Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-SEP-02	Salmon Habitat Protection and Restoration	$60,000	$0	Puget Sound

Project Description

Acquire land on the south bank of the lower Skokomish River for purposes of habitat restoration.

Project Ref	Grantee	Project Name	State
100129	NWIFC Skokomish Tribe	Skokomish River Road Culvert Removal / Flat Span Placement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-SEP-02	Salmon Habitat Protection and Restoration	$41,281	$0	Puget Sound

Project Description

Provide access for anadromous fishes to wetlands and estuary areas in the lower Skokomish River.

Project Ref	Grantee	Project Name	State
100131	NWIFC Skokomish Tribe	Skokomish River Road/ Skokomish Flats Road Gate Fabrication/Installatio	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-SEP-02	Salmon Habitat Protection and Restoration	$6,462	$0	Puget Sound

Project Description

Construct and install 3-4 road gates to prevent entry and refuse dumping in sensitive riparian areas along the lower Skokomish River.

Project Ref	Grantee	Project Name	State
100112	NWIFC Skokomish Tribe	On-Reservation Fish Passage and Channel Improvements	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-00-30-SEP-01	Salmon Habitat Protection and Restoration	$122,225	$0	Puget Sound

Project Description

Remove obstructions (culverts and bridges) to off-channel habitats in order to open up 800 acres of spawning and rearing habitat for anadromous fishes.

Project Ref	Grantee	Project Name	State
100185	NWIFC Skagit System Cooperative	Skagit River Isolated Habitat Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-JUN-03	Salmon Habitat Protection and Restoration	$96,500	$0	Puget Sound

Project Description

This is a mix of actual habitat restoration activities and planning/designing for future habitat restoration. Each site may have different participants and other non-PCSRF funding. Over the course of the past three years several planning efforts have been underway to identify significant aquatic habitats that have been isolated from lotic process by anthropogenic modifications and to subsequently develop specific restoration actions targeted at reconnecting these habitats to riverine influences.
Several projects have been identified through these efforts and are now ready for construction in FY2003. This proposal seeks funding to support specific restoration actions in four specific locations in the lower Skagit region; Day Creek, Hansen Creek and Skiyou Slough, and Sauk Camp (Edgewater Park). Each of these three locations have impaired riparian habitat and hydrology due to anthropogenic modifications. After completing feasibility work we believe that isolated habitat can be reconnected to lotic processes with relatively simple and cost effective restoration actions in all four locations. In total, impacts to an and estimated 10 hectares of riparian habitat, 1.25 KM of tributary habitat and 3 KM of mainstem habitat will be addressed through this proposal and matching funds contributed by partner organizations.

Project Ref	Grantee	Project Name	State
100181	NWIFC Skagit System Cooperative	Sauk-Suiattle Road Projects	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-JUL-02	Salmon Habitat Protection and Restoration	$13,807	$0	Puget Sound

Project Description

Evaluate and remove floodplain fills, blocking culverts, and unstable stream crossings in the Sauk River and Suiattle River watersheds in the Skagit River basin. The proposal included removing a fish passage barrier on Tiny Kisutch Creek, removing floodplain impacts from a road in the Hyakchuck Ponds area, and addressing floodplain and sediment impacts from Forest Road 25.

Project Ref	Grantee	Project Name	State
100184	NWIFC Skagit System Cooperative	Skagit Riparian Habitat Restoration - Native Plant Salvage & Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Habitat Protection and Restoration	$36,097	$0	Puget Sound

Project Description

Design plans to, implementation and establish two new nurseries (and create a storage site for salvaged plants) to improve available native riparian plant stock for current and future riparian habitat restoration projects in the Skagit watershed.

Project Ref	Grantee	Project Name	State
165-2004	NWIFC Skagit River System Cooperative	Middle Skagit Floodplain Restoration	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$32,000	$0	Puget Sound

Project Description

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Project Ref	Grantee	Project Name	State
116502	NWIFC Skagit River System Cooperative	Skagit Basin Road Hazard Assessment & Barrier Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-AUG-03-30-SEP-04	Salmon Habitat Protection and Restoration	$95,000	$0	Puget Sound

Project Description

Poorly designed roads on steep or unstable slopes can increase rates of land sliding and sediment delivery to stream channels. Undersized culverts at stream crossings can create fish passage barriers that prevent salmon from accessing valuable habitat. The goal of this proposal is to perform field assessments and implement on-the-ground projects that will address habitat impacts from sediment and fish passage barriers in the Skagit River basin.

Significant work has already been completed on sediment, road, and fish passage barrier inventories in the Skagit River basin. A partial sediment budget has been completed for many watersheds using aerial photography and a comprehensive field inventory has identified all barriers to anadromous fish passage in the basin. One objective of this proposal is to expand the inventory work to identify specific restoration actions and to correct two fish passage barriers. In the area of sediment delivery, this will include completing partial sediment budgets for Circle, Straight, Big, and Tenas watersheds using the methods employed for the other watersheds in the basin. Field road inventory work will be completed in the Jackman Creek watershed to identify potential road upgrade and de-commissioning projects.

In the area of fish passage barriers, a field assessment of habitat conditions will be conducted upstream of at least 25 high priority barrier culverts identified in the barrier inventory. This information will be used to prioritize future restoration projects by identifying culverts that are blocking the most high quality habitat. In addition, a partially blocking culvert on Forest road 26 will be replaced with a larger culvert on a small unnamed tributary of the Suiattle River just downstream of Boundary Bridge. If funding allows, then one of the highest priority culverts identified in the habitat assessment will also be upgraded to provide fish passage.

Project Ref	Grantee	Project Name	State
100196	NWIFC Quinault Nation	Queets River Nutrient Enhancement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-02-30-SEP-03	Salmon Habitat Protection and Restoration	$12,955	$0	Washington Coastal

Project Description

Hatchery Coho Carcass distribution from the Quinault Tribe's Salmon River Fish Culture Facility to a minimum of 3 streams in the Queets R Basin for the benefit of wild coho.

Project Ref	Grantee	Project Name	State
106006	NWIFC Port Gamble S'Klallam Tribe	Environmental Assessment of the Port Gamble S¿Klallam Tribal Reservati	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-02- -	Salmon Habitat Protection and Restoration	$35,000	$0	Washington

Project Description

The Port Gamble S¿Klallam Reservation population has more than doubled in the past two decades and continues to grow at a steady pace. With this growth comes an expansion in the Tribe¿s government, economy and social services, as well as recreational and ceremonial components of tribal life. The Tribe is continuing to experience an increasing need for construction and development of tribal lands to accommodate the Tribe¿s growth. We have worked in conjuction with the Tribal Business Council to develop a formal environmental review and assessment process. We estimated that this plan would take approximately 12 months, six month to develop the process and obtain Tribal Business Council approval, and another six months to complete the public input requirements, implementation and community education.

Project Ref	Grantee	Project Name	State
100028	NWIFC Port Gamble S'Klallam Tribe	Habitat Restoration of a Degraded Section of Middle Creek	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-03	Salmon Habitat Protection and Restoration	$52,000	$0	Puget Sound

Project Description

Make 1000 m of potential salmon-rearing channel accessible and restore degraded spawning and rearing habitat after culvert removal opens fish habitat in the lower 150 meters of salmon-accessible channel below the Little Boston Rd. crossing of Middle Creek.

Project Ref	Grantee	Project Name	State
100008	NWIFC Makah Tribe	Salmon Habitat Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	31-JAN-04-31-DEC-05	Salmon Habitat Protection and Restoration	$88,546	$0	Washington Coastal

Project Description

This project will contribute to recovery of aquatic ecosystems within the Makah U&A by conducting restoration projects or supplementing larger restoration projects opportunistically. By working with large and small landowners and other governmental agencies including the local Makah Tribal Government, we (Makah Fisheries Management) will identify opportunities for partnerships and matching funds. This project will leverage PCSR funds to accomplish more work than could be done with only this funding source. Efforts will be concentrated on instream habitat improvements (e.g., large engineered log jams), riparian restoration, and barrier removal.

This project is designed to directly benefit fish by restoring geomorphic and ecologic processes that form and maintain salmonid habitat. Leveraging PCSR funds to accomplish more work than could be done with only this funding source has been extremely successful in the past. For example, during summer 2003, Makah Fisheries Management removed the 20 foot high Waatch Creek Dam on the Makah Reservation. This project was primarily funded by another grant, but was supplemented by PCSR funds to accomplish unmet needs, such as to complete riparian and wetland revegetation.

Future opportunities such as these also exist, which are part of the current proposal:
1.Currently, funds are available to remove several dozen culvert barriers on the Sooes River floodplain on the Makah Reservation. Supplementing this project with large wood debris placement, riparian conifer reforestation, or additional labor costs would be key to a well-rounded successful project.
2.Opportunities also currently exist to supplement several large engineered log-jam projects both on the Makah Reservation (Sooes River) and in the Makah U&A (Hoko River). These projects would be supplemented with additional large wood for log-jams and/or costs to construct several more log-jams along the target reaches. For example, the National Park Service (NPS) currently has contributed over 400 large conifers to the Makah Tribal Government from a bunkhouse development site. Many of these trees are suitable as large `key¿ pieces needed to construct log-jams. Funding to transport these trees to several construction sites is essential for proper utilization of this material and to take advantage of this unique opportunity.
3.Several opportunities also exist to work on small projects with local landowners to help fill a niche that does not receive adequate attention. By working on this scale, we hope to educate local citizenry to create an ethic of environmental stewardship. For example, opportunities now exist to contribute to a community based restoration and education project centered around Village Creek, an urbanizing yet productive salmon stream here on the Makah Reservation. Some funds are available to fix failed culverts, but there are opportunities to develop this site into a restoration showcase for the village of Neah Bay by removing road encroachments, revegetating the riparian corridor, rehabilitating instream habitat with functional large woody debris, and constructing educational kiosks and public appreciation zones.

Performance measures are achievement of direct and cost-effective improvement of fish habitat in the Makah U&A. Achievement of performance measures will be evaluated by recording and summarizing work completed and monitoring projects for proper function, where applicable. An additional performance measure will be public awareness and involvement in salmon recovery.

Project Ref	Grantee	Project Name	State
100003	NWIFC Makah Tribe	Makah U&A Salmon Habitat Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-03	Salmon Habitat Protection and Restoration	$27,955	$0	Washington Coastal

Project Description

Project consists of planned and opportunistic supplementation of salmon recovery efforts in the Makah U&A through instream habitat improvements, riparian restoration, barrier removal and habitat assessment.

Project Ref	Grantee	Project Name	State
100094	NWIFC Makah Tribe	Sekiu River Engineered Logjam Construction	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-MAY-00-30-SEP-01	Salmon Habitat Protection and Restoration	$15,000	$0	Puget Sound

Project Description

This project will occur between River Mile (RM) 1.5 and 3.5 on the lower mainstem of the Sekiu River. It will contribute to salmon recovery by increasing channel complexity and decreasing stream energy in a section of the Sekiu River considered to be critically important for chinook spawning and rearing, as well as coho salmon rearing. A contractor designed and constructed the logjam, and monitoring was conducted for the first year. A technical report that includes pre-construction site monitoring, logjam design details, construction sequence photos, and post-construction monitoring information is proposed to be completed.

Project Ref	Grantee	Project Name	State
LEK-04-1	NWIFC Lower Elwha Klallam Tribe	Elwha River Logjam Construction	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-SEP-05-30-NOV-05	Salmon Habitat Protection and Restoration	$50,000	$0	Washington Coastal

Project Description

We propose to construct 2 engineered logjams in the Elwha River in the vicinity of river mile 1.0. Logjams are designed to provide immediate fish habitat benefits for multiple species of anadromous and resident salmonids.

Project Ref	Grantee	Project Name	State
104000	NWIFC Lower Elwha Klallam Tribe	Strait of Juan de Fuca Juvenile Salmonid Outmigration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	15-FEB-04-01-JUL-04	Salmon Habitat Protection and Restoration	$52,434	$0	Puget Sound

Project Description

Measurements of total smolt production are being monitored in Salt and Deep creek as well as East and West Twin River. These data are being used for multiple purposes including developing year to year estimates of coho smolt outmigration in the SJF, as well as to better understand habitat and production relationships. We are also conducting a pilot study on the Elwha River using a rotary screw trap. This effort is designed to be a component of long term monitoring of the response of the Elwha River to dam removal scheduled for 2007.

Project Ref	Grantee	Project Name	State
104004	NWIFC Lower Elwha Klallam Tribe	Elwha River Floodplain Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-SEP-04-01-SEP-07	Salmon Habitat Protection and Restoration	$40,704	$0	Puget Sound

Project Description

Tribe has been actively constructing engineered logjams in lower Elwha River. A total of 17 have been built to date and 4 more will be constructed during the summer of 2004. The Tribe has an active monitoring program to evaluate their effects.

Project Ref	Grantee	Project Name	State
100019	NWIFC Lower Elwha Klallam Tribe	Lower Elwha Klallam Tribe Habitat Restoration Projects	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-03	Salmon Habitat Protection and Restoration	$12,430	$0	Puget Sound

Project Description

Recovery of stocks with restoration projects. Funds used for material purchases (logs, rocks, etc.) necessary to implement a restoration project, or other non-staffing expenditures (i.e. equipment rental).

Project Ref	Grantee	Project Name	State
100057	NWIFC Lower Elwha Klallam Tribe	Lower Elwha Klallam Tribe Habitat Restoration Projects	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Habitat Protection and Restoration	$25,060	$0	Puget Sound

Project Description

Recovery of stocks with restoration projects. Funds used for material purchases (logs, rocks, etc.) necessary to implement a restoration project, or other non-staffing expenditures (i.e. equipment rental).

Project Ref	Grantee	Project Name	State
100084	NWIFC Lower Elwha Klallam Tribe	Lower Elwha Klallam Tribe Habitat Restoration Projects	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-30-SEP-01	Salmon Habitat Protection and Restoration	$32,200	$0	Puget Sound

Project Description

Recovery of stocks with restoration projects. Funds used for material purchases (logs, rocks, etc.) necessary to implement a restoration project, or other non-staffing expenditures (i.e. equipment rental).

Project Ref	Grantee	Project Name	State
105001	NWIFC Jamestown S'Klallam Tribe	Jimmycomelately Estuary Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-SEP-04	Salmon Habitat Protection and Restoration	$67,520	$0	Puget Sound

Project Description

The Tribe, Clallam County, Clallam Conservation District and the State of Washington Departments of Transportation and Fish and Wildlife continue to lead this major habitat restoration effort for a creek with listed summer chum salmon. Components of the project include: relocation of the creek to its former channel; removal of a log dump in the estuary; removal of dikes and fill; construction of a new bridge on Highway 101 to accommodate the new creek configuration; and removal of buildings along the shoreline.

This period, the Tribe proposes to use PCSR funds for reconnecting Jimmycomelately estuary to the newly constructed meandering channel. Funds will also go toward estuary restoration and plantings (including construction and materials), consulting engineer work, GIS work and grant managing work (due to the complexity of grant management involved in matching up funding sources and fulfilling match requirements.

Project Ref	Grantee	Project Name	State
100013	NWIFC Jamestown S'Klallam Tribe	Jimmy-come-lately (JCL) Creek/Estuary Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-03	Salmon Habitat Protection and Restoration	$100,000	$0	Puget Sound

Project Description

Address the limiting factors affecting summer chum. The lower reach of JCL Creek is being relocated to its former channel for a threatened run of summer chum salmon. Related project activities include: removal of a log dump in the estuary, removal of dikes and fill, construction of a new bridge on Highway 101 to accommodate the new creek configuration, and removal of buildings along the shoreline. PCSR funding for FY 2002 will be used by the Tribe for a portion of the channel re-alignment and bridge construction phases of the project.

Project Ref	Grantee	Project Name	State
100079	NWIFC Jamestown S'Klallam Tribe	Dungeness River/Jimmy-come-lately Creek Salmon Recovery	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-30-SEP-01	Salmon Habitat Protection and Restoration	$235,000	$0	Puget Sound

Project Description

The following project activities were proposed by the Tribe to address the limiting factors affecting Hood Canal summer chum and Puget Sound chinook: 1) Strategic salmon recovery planning involving cooperative habitat restoration planning; 2) Riparian Corridor Protection and Restoration: through collection of data on property ownership, assessed value, location of restoration projects, and habitat conditions. The data and maps will assist in cooperatively working with the County, state, and federal agencies and private foundations on conservation easements, acquisition, and protection strategies for critical parcels; 3) Jimmy-come-lately Creek and Estuary Restoration: The tribe will be collecting biological samples of adult chum in the fall, as well as contribution to this multi-agency restoration effort by performing project coordination duties; 4) Water Conservation: The tribe will cooperatively design and implement water conservation projects to conserve instream flows; 5) Dungeness Chinook Captive Broodstock Assessment: involving egg collection, captive rearing and spawning and release; and 6) Dungeness Bay Fishery Monitoring and Sampling: to monitor incidental chum and chinook catch.

Project Ref	Grantee	Project Name	State
102000	NWIFC Hoh Tribe	Hoh River CMZ Reforestation Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-APR-04-30-SEP-06	Salmon Habitat Protection and Restoration	$319,000	$0	Washington Coastal

Project Description

Several limiting factors for native salmonids in the Hoh River have been identified by various agencies. The Hoh Tribe proposes to asses the lack of LWD in the Hoh River basin from river mile 30 to the mouth, work with land owners to develop a plan to begin the reforestation of riparian areas of the channel migration zone that have been impacted due to various land use practices. The reforestation of the of the riparian management zones will allow the future growth of large woody debris that will one day be incorporated into the river which will develop the habit necessary for the propagation of native salmonids. Cumulatively the affects of timber harvesting, road building, and agriculture have completely altered the mainstem and its riparian forest which in turn has altered the habitat forming processes. The ancient forests of the lower Hoh valley are all but gone. Stable habitat features in large alluvial rivers are dependent upon ¿key¿ pieces of large woody debris (LWD) which are quickly disappearing. Although some stocks are relatively stable others are not, and if something is not done to begin to restore the habitat that has been degraded it will not be long until we do have a ¿crisis¿ situation.

Project Ref	Grantee	Project Name	State
102003	NWIFC Hoh Tribe	Lower Hoh River Channel Migration Study	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-01-30-SEP-04	Salmon Habitat Protection and Restoration	$13,840	$0	Washington Coastal

Project Description

Emergency bank rip-rap revetments have been constructed along the lower river to protect State, County and Hoh Reservation roads and the Hoh Tribe's water system. Of 57 river kilometers, 5.8 percent of the right bank and 1.7 percent of the left bank are hardened (Morris, 2000). These revetments cause significant impact to the environment by replacing riparian vegetation on the banks, eliminating pool structure in the river, and increasing flow velocities; while often requiring frequent repair at a high cost to federal, state, and local agencies and the public. These structures also cause additional erosion up and downstream of the original structure, resulting in a migration of the impacts as the structures are lengthened.

Project Ref	Grantee	Project Name	State
100197	NWIFC Hoh Tribe	Hoh River Knotweed Control Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Habitat Protection and Restoration	$25,000	$0	Washington Coastal

Project Description

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Project Ref	Grantee	Project Name	State
02-230	KRITFWC Yurok Tribe	Instream and Riparian Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-FEB-03-30-SEP-03	Salmon Habitat Protection and Restoration	$25,000	$0	Klamath

Project Description

Planted redwood and Douglas Fir trees in riparian areas of select Lower Klamath River tributaries. Conducted maintenance and modifications to log jam barriers in Terwer and McGarvey Creeks.

Project Ref	Grantee	Project Name	State
KRITFWC - Yuro	KRITFWC Yurok Tribe	Lower Klamath River Aquatic Habitat Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-AUG-00-01-JAN-01	Salmon Habitat Protection and Restoration	$45,000	$0	Klamath

Project Description

Restore Riparian Habitat. Modified logjams to to improve anadromous access and plant conifers in riparian areas for future large woody debris recruitment and shade

Project Ref	Grantee	Project Name	State
HVPUD-03-VWI	KRITFWC Hoopa Valley Tribe	Valley-Wide Irrigation System	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-03- -	Salmon Habitat Protection and Restoration	$11,000	$0	Klamath

Project Description

HVPUD is installing a mainstem Trinity River diversion to supply domestic and irrigation water to Hoopa Valley Indian Reservation residents. This involves the acquisition of easments to lay mainlines and laterals for the Valley Wide Irrigation System. This project is designed to alleviate water usage from six reservation tributaries, which are now diverted for domestic and irrigation needs. The affected streams are inhabited by SONCC ESU Coho Salmon, Chinook salmon, and Klamath Mountain Province steelhead trout.

Project Ref	Grantee	Project Name	State
HVTFOR-03-702	KRITFWC Hoopa Valley Tribe	Decommissioning of Forest Road 702 G/H	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-04-31-AUG-04	Salmon Habitat Protection and Restoration	$51,000	$0	Klamath

Project Description

The project will drain old road excavations and restore natural stream channels at four old road crossings. The old roads were poorly designed and maintained, causing unnatural flows that produce sediment in the Pine Creek watershed, affecting Coho spawning habitat.

Project Ref	Grantee	Project Name	State
HVPUD-02-VWI	KRITFWC Hoopa Valley Tribe	Valley-Wide Irrigation System	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02- -	Salmon Habitat Protection and Restoration	$50,000	$0	Klamath

Project Description

HVPUD is installing a mainstem Trinity River diversion to supply domestic and irrigation water to Hoopa Valley Indian Reservation residents. This involves the acquisition of easments to lay mainlines and laterals for the Valley Wide Irrigation System. This project is designed to alleviate water usage from six reservation tributaries, which are now diverted for domestic and irrigation needs. The affected streams are inhabited by SONCC ESU Coho Salmon, Chinook salmon, and Klamath Mountain Province steelhead trout.

Project Ref	Grantee	Project Name	State
HVTFOR649-040	KRITFWC Hoopa Valley Tribe	Stream Culvert Installation West Pine Road 3	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-15-JUL-03	Salmon Habitat Protection and Restoration	$10,540	$0	Klamath

Project Description

Replacement of failing culverts .

Project Ref	Grantee	Project Name	State
HVTFOR649-040	KRITFWC Hoopa Valley Tribe	Hostler/Oil Springs Bridge Installation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-01-31-OCT-04	Salmon Habitat Protection and Restoration	$23,000	$0	Klamath

Project Description

Replacement of failing culverts with bridges.

Project Ref	Grantee	Project Name	State
HVPUD-01-VWI	KRITFWC Hoopa Valley Tribe	Valley-Wide Irrigation System	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-01- -	Salmon Habitat Protection and Restoration	$35,000	$0	Klamath

Project Description

HVPUD is installing a mainstem Trinity River diversion to supply domestic and irrigation water to Hoopa Valley Indian Reservation residents. This involves the acquisition of easments to lay mainlines and laterals for the Valley Wide Irrigation System. This project is designed to alleviate water usage from six reservation tributaries, which are now diverted for domestic and irrigation needs. The affected streams are inhabited by SONCC ESU Coho Salmon, Chinook salmon, and Klamath Mountain Province steelhead trout.

Project Ref	Grantee	Project Name	State
HVTFOR 646_04	KRITFWC Hoopa Valley Tribe	Heavy Equipment Operators Forest Road Workshop	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-01-31-MAY-01	Salmon Habitat Protection and Restoration	$12,100	$0	Klamath

Project Description

Train heavey equipment operators on techniques of forest road construction designed to mitigate sediemnt delivery to streams.

Project Ref	Grantee	Project Name	State
HVTFOR 646_04	KRITFWC Hoopa Valley Tribe	Hostler Creek Road Survey	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-30-SEP-04	Salmon Habitat Protection and Restoration	$42,275	$0	Klamath

Project Description

Reservation wide stream crossing inventory.

Project Ref	Grantee	Project Name	State
HVTFOR648_04	KRITFWC Hoopa Valley Tribe	Hostler and Five-Mile Creek Bridges	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-31-OCT-04	Salmon Habitat Protection and Restoration	$96,060	$0	Klamath

Project Description

Replace failing stream crossing on Hostler and Five Mile Creeks

Project Ref	Grantee	Project Name	State
HVTFD-00-Diver	KRITFWC Hoopa Valley Tribe	Diversion Screening on Supply Creek, Hoopa Valley Reservation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-01-NOV-02	Salmon Habitat Protection and Restoration	$70,871	$0	Klamath

Project Description

The original project plan was to construct one self-cleaning screen and diversion structure on Supply Creek to reduce mortality of out-migrant salmonids including chinook and coho salmon (SONCC ESU), along with steelhead trout (Klamath Mountain Province). SHN Consulting Engineers and Geologists Inc., contracted by the Tribe, recommended against the construction of a self-cleaning screen.Using Fiscal 2000 monies, Hoopa Tribal Fisheries constructed and installed two fish screens, one at the North side diversion , and another at a South side diversion.

Project Ref	Grantee	Project Name	State
001 04 SA	ID OSC	Hooper Lane Fence	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-01-MAY-05	Salmon Habitat Protection and Restoration	$48,814	$35,151	Salmon

Project Description

Actions implemented under this project will consist of installation of a total of approximately 2.25 miles of jack fence along Patterson-Big Springs Creek, a tributary to the Pahsimeroi River. Two sections of fence (a total of 10,138-feet) will be built on both sides of Patterson-Big Springs Creek.

Patterson-Big Springs Creek currently provides spawning and rearing habitat for threatened Snake River Basin steelhead, and once additional in-progress projects to address flow issues are completed, will also provide spawning and rearing habitat for threatened Snake River spring/summer Chinook salmon. Patterson-Big Springs Creek has been designated as Critical Habitat and Essential Fish Habitat for Chinook salmon.

Limiting factors in the Pahsimeroi River include: lack of sufficient flow for passage, migration barriers, high temperatures, and high levels of sediment input. The majority of the riparian zone in the area addressed by this project has good willow and sedge cover and the banks are stable. This project will address limiting factors including high temperatures and sediment input by protecting and enhancing the riparian zone in this stream reach. This project will also complement fencing projects that have been completed in stream reaches below the project area. Additionally, this project will complement and increase the benefits derived from projects which have been previously implemented to remove migration barriers, reduce sediment loading, and improve flow in reaches downstream from this project site. Project proponents anticipate that this project will protect and restore approximately 1.1 miles of stream.

This project will take place entirely on privately owned land. Implementation of this project will benefit Snake River Basin ESU steelhead and Snake River ESU spring/summer run Chinook salmon. Cutthroat trout, rainbow trout and bull trout are also present in this watershed.

Project Ref	Grantee	Project Name	State
006 04 SC	ID OSC	Reduction of Sediment/Nutrient Runoff - Animal Feeding Operations	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-30-OCT-05	Salmon Habitat Protection and Restoration	$500,000	$125,000	Clearwater

Project Description

Through this project the Idaho State Department of Agriculture (ISDA) will identify Animal Feeding Operations (AFOs) in the Salmon and Clearwater subbasins that are not currently covered under ISDA regulatory programs, and then develop site-specific plans to address water quality issues.

While ISDA has programs that regulate the runoff from dairies and beef Concentrated Animal Feeding Operations (CAFOs), this proposal would allow ISDA to address environmental issues associated with smaller, unregulated cattle operations, portions of regulated operations that are not regulated and other species of livestock. The runoff pollutants of concern that will be addressed through this project are sediment, nutrients, bacteria, ammonia, and dissolved oxygen.

Work completed in the first year of this project will focus on reducing discharge from the most significant livestock sources that are not regulated under the current CAFO program and establish an information base to ensure there are effective, ongoing AFO-related processes in these two critical anadromous fish subbasins. The ISDA will work with producers and develop site-specific plans that will immediately show improvement to the water quality in impaired streams. The criteria will be to focus on the individual operations that a) are located on impaired streams, b) have the greatest potential to discharge, c) have impacted water quality, and d) obtain the greatest return for the financial expenditure. The ISDA's inspectors and Technical Service Bureau will conduct follow-up compliance inspections to ensure the site-specific plans are implemented. Project funding will support technical and nutrient management assistance, compliance activities, and cost share funding for implementation of site-specific plans.

In addition to water quality concerns, AFOs can adversely alter riparian habitat, reduce vegetation, and disturb streambeds, thus reducing available spawning and rearing areas for anadromous fish.

Actions implemented through this project will occur entirely on privately owned lands. Implementation of this project will benefit Snake River Basin ESU steelhead and Snake River ESU spring/summer run Chinook salmon. Bull trout, westslope cutthroat, redband rainbow trout are also present in this watershed.

Project Ref	Grantee	Project Name	State
009 04 SA	ID OSC	Fife Ranch Fence	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-30-OCT-05	Salmon Habitat Protection and Restoration	$54,075	$76,700	Salmon

Project Description

This project consists of construction of 10,000 feet of 5-pole jack fences and 600 feet of 4-wire fence to exclude grazing from the banks of the Salmon River and an unnamed stream. The proposed 5-pole jack fence would follow the Salmon River and stop at an existing pond. The pond will be used as a barrier to livestock in the area where the fence is not present. The landowner plans to reshape the banks of the pond and then plant riparian vegetation after which he will fence the remaining shoreline. A 5-pole jack fence would also be constructed to continue on the opposite side of the pond following the Salmon River to an unnamed stream. At this point the 5-pole jack fence would follow the stream to a point where the fence crosses the stream and turns up the hillside. A 4-wire fence would be constructed to connect the 5-pole jack fence from the stream crossing to an existing boundary fence.

Once completed this fence project will protect 2.35 miles of the Salmon River and 0.5 miles of the unnamed stream. Approximately 100 acres of riparian area and 59 acres of upland will be excluded from grazing once the fences are complete.

This project will occur entirely on privately owned lands. Implementation of this project will benefit Snake River Basin ESU steelhead and Snake River ESU spring/summer run Chinook salmon. Snake River sockeye salmon, bull trout, and rainbow trout are also present in this watershed.

Project Ref	Grantee	Project Name	State
011 04 SA	ID OSC	L-6, S-14 Water Diverson Transfer	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-30-OCT-05	Salmon Habitat Protection and Restoration	$53,500	$21,550	Salmon

Project Description

Low flows and altered hydrologic regime are both key factors limiting anadromous fish in the Lemhi River. Flow in the Lemhi River is currently limited below the L-6 diversion. Under this project the Upper Salmon Basin Watershed Project (USBWP) will facilitate the complex multi-landowner and multi-agency negotiations and pre-implementation planning necessary to transfer the withdrawal of approximately 15 cfs from the Lemhi River (L-6 diversion) to a diversion located on the Salmon River (S-14 diversion) where flows are not limited. Implementation of this project will involve the cooperation of over 100 individuals. Transfer of this water diversion from the Lemhi River to the Salmon River will put an additional 15 cfs of water back in the Lemhi River.

This project will be targeted for eventual implementation on privately owned lands. Implementation of this project will benefit Snake River Basin ESU steelhead and Snake River ESU spring/summer run Chinook salmon. Bull trout, westslope cutthroat, and rainbow trout are also present in this watershed.

Project Ref	Grantee	Project Name	State
012 04 SA	ID OSC	Hawley-Eighteen Mile Siphon	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-01-MAY-05	Salmon Habitat Protection and Restoration	$26,000	$6,500	Salmon

Project Description

Implementation of this project will address a fish passage barrier by eliminating a stop-log-guide and culvert diversion structure that is currently a barrier to fish passage year round, and replace it with a siphon. The siphon will be designed to transport irrigation water under the Hawley-Eighteenmile Creek channel during the irrigation season and return the Eighteenmile Creek water to the Hawley-Eighteenmile Creek channel during the rest of the year.

At some point in the past, .5 mile of the Eighteenmile Creek channel was moved. Hawley Creek now intersects Eighteenmile Creek .5 mile above the original confluence. This is the location of the stop-log-guide and culver diversion structure, which is used during early summer to irrigate 10 to 20 acres of pasture. Both Eighteenmile and Hawley Creeks are dewatered after peak runoff in late June. The date of the water right for this property is 1957 consequently this ground is not irrigated after peak runoff. Hawley Creek and Eighteenmile Creek form a single channel for about a mile before combining with the Whitefish Springs, which crosses Highway 29 and flows into the lower .25 mile of Canyon Creek.

This project will complement a passage project that has been already been completed. Specifically, the Hawley Creek and Eighteenmile Creek system was reconnected to the mainstem Lemhi River by the Whitefish Ditch project, which eliminated a passage barrier at the intersection with Canyon Creek, screened Whitefish Ditch, and enabled fish passage across Highway 29.

This project will be implemented entirely on privately owned property. Implementation of this project will benefit Snake River Basin ESU steelhead and Snake River ESU spring/summer run Chinook salmon. Bull trout, westslope cutthroat, and rainbow trout are also present in this watershed.

Project Ref	Grantee	Project Name	State
013 04 SA	ID OSC	Cottom Lane Fence	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-31-JAN-05	Salmon Habitat Protection and Restoration	$13,482	$5,712	Salmon

Project Description

This project consists of replacement of 1800-feet of dilapidated fence along the Lemhi River. The site of the proposed fence replacement coincides with a primary Chinook salmon spawning area on the Lemhi River. This area is also used for migration, rearing and spawning of Chinook salmon, steelhead trout, and bull trout. The replacement of this fence will ensure that Chinook salmon and steelhead trout spawning and rearing habitat in the Lemhi River is protected for at least 15 additional years. Although the riparian area on the property is currently fenced, much of the existing fence is nearly 30 years old and is dilapidated to such an extent that it is no longer effective in excluding livestock grazing in the nearby pasture. The majority of riparian area within the existing fence is in good to excellent condition.

This project will be implemented entirely on private land. Implementation of this project will benefit Snake River Basin ESU steelhead and Snake River ESU spring/summer run Chinook salmon. Bull trout, westslope cutthroat, and rainbow trout are also present in this watershed.

Project Ref	Grantee	Project Name	State
014 04 SA	ID OSC	Implement Salmon and Steelhead Conservation Measures in the Upper S	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-30-DEC-05	Salmon Habitat Protection and Restoration	$128,633	$42,878	Salmon

Project Description

Under this project the Idaho Department of Fish and Game (IDFG) will facilitate and implement conservation agreements between private/commercial landowners and tribal, state, and federal regulatory agencies for the conservation of fish populations in the Upper Salmon River subbasin. The IDFG will assume a technical role in the Upper Salmon Basin Watershed Project (USBWP) by providing key biological and other technical information for the development and implementation of conservation plans. A primary goal of the project is to facilitate and implement conservation plans such as the ongoing Lemhi River Agreement and Habitat Conservation Plan, in a timelier manner.

Project actions will include: 1) compilation, evaluation, and dissemination of technical information for the development of conservation measures, 2) coordination with landowners and regulatory agencies, 3) coordination of project implementation, 4) identification of additional informational gaps and development of proposals to implement field projects to address those information gaps, and 5) support monitoring and evaluation activities (data compilation, review, and analysis) to assess response of fish populations to proposed actions.

Specific project components for this contract include: completion of the Lemhi Agreement, reconnection of Kenny Creek with the mainstem Lemhi River, and support for developing plans to reconnect Big Timber Creek and Bohannon Creek.

This project will occur on land as follows: private ownership (90%) and federal ownership (10%). Implementation of this project will benefit Snake River Basin ESU steelhead, Snake River ESU spring/summer run Chinook salmon and bull trout, all of which are listed as threatened under the Endangered Species Act. Westslope cutthroat trout, resident rainbow trout, mountain whitefish, sockeye salmon and non-native brook trout are also present in this watershed.

Project Ref	Grantee	Project Name	State
016 04 SA	ID OSC	Moen Ranch Project	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-OCT-04-30-DEC-05	Salmon Habitat Protection and Restoration	$1,300,000	$500,000	Salmon

Project Description

The riparian corridor associated with the Moen Ranch property currently represents the most important reach for Chinook salmon spawning habitat in the Pahsimeroi subbasin and in the past five years has accounted for approximately 40% of the Chinook spawning activity in the Pahsimeroi subbasin. Despite its value to Chinook salmon, the four-mile reach of the Pahsimeroi through the Moen property, up to irrigation diversion P-11, is significantly altered by water withdrawals. Three irrigation diversions currently deplete instream flows and at time completely dewater the river. Two of these diversions also currently pose migration barriers to salmon.

This project will include purchase of the Moen Ranch property and implementation of a suite of conservation and habitat protection actions on that property. The Moen Ranch property consists of two parcels, the main Pahsimeroi Valley parcel (1,040 acres) and the Little Hat Creek Parcel (760 acres), located on a tributary to the Salmon River downstream from the Pahsimeroi River. The Moen property is currently used for livestock grazing and alfalfa production and the Little Hat parcel is used for livestock grazing.

Under this project the Nature Conservancy will purchase the Moen Ranch in its entirety. The Nature Conservancy will then sell the non-riparian corridor portions of the Pahsimeroi Valley parcel to local landowners. As part of this transaction, the private purchasers will convey conservation easements to the Conservancy and commit to water conservation management actions including: water conservation practices, support for habitat enhancement projects, and water rental during critical low flow periods. The Idaho Department of Fish and game will purchase approximately 200 acres in the riparian corridor from the Conservancy to be management in perpetuity to benefit native salmonids. This purchase will include water rights associated with the property.

The Nature Conservancy will sell the Little Hat Creek parcel to a private landowner who holds a 45,000-acre grazing allotment on Camas Creek in the Middle fork of the Salmon River subbasin. This landowner will then transfer the Camas Creek grazing allotment to the Conservancy and retire the Camas Creek grazing allotment for the benefit of anadromous fish (Camus Creek provides 14 miles of critical anadromous fish habitat including Chinook salmon and steelhead trout). The sale of the Little Hat Creek parcel will be subject to a conservation easement preventing development of the property and the Hat Creek stocking rate will be reduced.

Additional project actions will include: elimination of existing fish migration barriers at two irrigation diversions through upgrades of existing fish screens, installation of diversion headgates and water measuring devices, and closure of the P-11 water diversion on the Pahsimeroi River; and reconnection of Muddy Spring Creek with the mainstem of the Pahsimeroi River.

The Pahsimeroi Valley components of this project are located entirely on private land. The transfer of the Hat Creek grazing allotment involves 45,000-acre U.S. Forest Service allotment and a 760-acre private base property (98.4% federal vs. 1.6 % private). Implementation of this project will benefit Snake River Basin ESU steelhead and Snake River ESU spring/summer run Chinook salmon. Bull trout and rainbow trout are also present in this watershed.

Project Ref	Grantee	Project Name	State
018 04 CW	ID OSC	FOC-BLM Cottonwood Salmon Project	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-30-OCT-05	Salmon Habitat Protection and Restoration	$44,500	$11,415	Clearwater

Project Description

The project consists of three separate components. The first element is reconstruction of approximately 1.1 miles fence along Big Elk Creek. Historically, summer-long grazing has resulted in degradation of streambanks, erosion, and introduction of sediment to the stream. More recently, improved grazing management along the riparian area has helped to stabilize the streambanks and improve the overall condition of the riparian habitat. Reconstruction of this degraded section of fence will ensure that the riparian and associated stream habitat are protected and continue to recover.

The second project element includes inspection and maintenance of riparian fences on two grazing allotments on Big Elk and Elk creeks. This will include a pre-turnout inspection and mid season inspection. Such inspection is necessary to ensure that the fences are functional and to reduce potential for trespass use of riparian pasture or use of habitat within exclosure areas.

The third element consists of decommissioning one mile of road in the Buffalo Gulch drainage. This road decommissioning will include removing of culverts, out sloping, and deep ripping. The decommissioned road will be seeded with native vegetation and woody debris will be placed on the road.

This project will take place entirely on federally owned land. Implementation of this project will benefit Snake River Basin ESU steelhead. Steelhead trout and westslope cutthroat are present in Big Elk Creek. Spring Chinook salmon, steelhead trout, westslope cutthroat and brook trout are present in Elk Creek. Steelhead trout, westslope cutthroat trout, and brook trout are present in Buffalo Gulch Creek.

Project Ref	Grantee	Project Name	State
019 04 SA	ID OSC	Iron Creek Reconnection	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-30-NOV-05	Salmon Habitat Protection and Restoration	$96,300	$33,000	Salmon

Project Description

Iron Creek is designated as critical habitat for Chinook salmon. Under current operation, Iron Creek is disconnected from the Salmon River seasonally because of irrigation water withdrawals. Iron Creek is dewatered most years during August and September when flows in the stream drop and withdrawals for crop irrigation increase. In addition to preventing fish passage, the seasonal dewatering of the lower reaches of Iron Creek has also affected the function of portions of the riparian area.

The Iron Creek project will eliminate the lower four irrigation diversions and replace them with a pumping station on the Salmon River, the current use of flood irrigation will be replaced by use of sprinklers, and riparian fence will be installed along Iron Creek. This project will be implemented using multiple funding sources. The PCSRF funded portion of this project will allow for modification of a power line necessary to bring three-phase power to the pumping station site.

Once completed the project will return 5.4 cfs of currently diverted water to Iron Creek and will reconnect Iron Creek to the Salmon River year round. Returning the water to the Creek will help to restore riparian function. The cooler water in the lower reaches of Iron Creek will provide rearing habitat and vital thermal refuge from the seasonally warm (occasionally lethally warm) Salmon River waters for juvenile Chinook salmon and steelhead trout.

This project will be implemented entirely on privately owned land. Implementation of this project will benefit Snake River Basin ESU steelhead and Snake River ESU spring/summer run Chinook salmon. Bull trout, sockeye salmon, westslope cutthroat, and rainbow trout are also present in this watershed.

Project Ref	Grantee	Project Name	State
020 04 SA	ID OSC	Optimizing Stream Flow Enhancement	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-30-NOV-06	Salmon Habitat Protection and Restoration	$329,000	$109,829	Salmon

Project Description

Through this project the Idaho Department of Water Resources (IDWR) will develop protocols for communication between the various agencies, individuals, and organizations trying to develop and implement stream flow enhancement projects. Under this project IDWR will supply information and technical support during public meetings and meeting with landowners and water users. Actions undertaken by IDWR through this project will include installation and maintenance of stream gauges where required, and complete analysis of hydrologic data. In addition, under this project IDWR will work actively with state watermasters to appropriately regulate and monitor stream flow enhancement projects in the Upper Salmon subbasin.

Project Ref	Grantee	Project Name	State
028 04 SA	ID OSC	Dry Year Lease Program	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-30-SEP-06	Salmon Habitat Protection and Restoration	$200,000	$67,000	Salmon

Project Description

This project would provide funds necessary to accomplish dry-season leases. PCSRF funding of this project would be used solely for funding the dry-season leases. All other costs associated with this program would be provided through matching funds. A dry-year lease program is an important tool to maintain critical tributary habitat for fish when natural flows are not available to support passage, spawning and rearing needs.

Under this project agreements would be developed on a voluntary basis with water users who would commit to provide water in years when stream flows are projected to reach critical levels under continued irrigation diversions. A small option fee would be paid to signatories during normal or greater flow years to maintain their commitment. During low flow years, either partial season or full season leases would be accomplished under the commitment to forego diversion and use. The water user would receive a predetermined payment equivalent to net economic benefit of the lands no longer receiving water.

A dry-year water lease program will prevent curtailment of irrigation diversions when adequate tributary flows are available so that farm production could be maintained. This is vitally important in counties that are dependent on agriculture for their economic base - and important to securing the support of local landowners for salmon recovery actions. During years with lower than average winter precipitation, the lease option would be triggered, and the water user would lease their water to the Water resource Board's Water Bank. The Water Resource Board would in turn rent the water from the Bank using the dry-year lease funds at a predetermined price based on the net economic benefit of crop production. Water would be rented to a water right down steam (possibly a minimum stream flow water right), which would protect it from diversion by a junior user.

This project will be implemented on land that is 8% privately owned, 2% state owned, and 90% federally owned. Implementation of this project will benefit Snake River Basin ESU steelhead and Snake River ESU spring/summer run Chinook salmon. Bull trout, sockeye salmon, mountain whitefish, westslope cutthroat, resident rainbow trout, and non-native brook trout are also present in this watershed.

Project Ref	Grantee	Project Name	State
031 04 CW	ID OSC	Lolo Creek Passage Restoration	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$146,143	$79,808	Clearwater

Project Description

The goal of this project is to restore access to pristine habitats within the Lolo Creek watershed, and to reduce sedimentation from at-risk culverts. Lolo Creek, a tributary to the Clearwater River, support anadromous fish including Chinook salmon Coho salmon steelhead trout, and pacific lamprey. Historically, logging, road building, mining, farming, and grazing have impacted the Lolo Creek watershed. The goal of this project will be accomplished by replacing high-priority culverts.

An ongoing inventory and analysis of culverts in the Lolo Creek drainage was initiated in 2003. Culvert replacements are prioritized based on the presence of fish in the tributary, the extent of the passage problem at the culvert, amount of habitat available above the culvert, and potential of culvert failure.

The completion of this project will provide access to pristine habitat, which is currently inaccessible, especially during critical low flow periods. In addition sedimentation problems, which are occurring under current condition, will be significantly, reduced. Which will improve habitat downstream of these culverts.

This project includes sites on both public and private land. The culverts slated for replacement under this project include two culverts located on national forest lands. These culverts include Fan Creek and an unnamed tributary to Lolo Creek. On private property, owned by Potlatch Corporation, four stream crossings will be restored. One culvert will be replaced, and three culverts will be removed and the stream restored to natural condition. This portion of the project also includes removing drainage culverts on an adjacent road. Actions completed through this project will include a survey and development of an engineering design, construction for replacement of the culverts, contract administration, and monitoring and evaluation.

Natural streambed simulation based on several recently published documents will be implemented on each culvert installation. Squash pipe (pipe arch) structures will most likely be used with substrate throughout the length of the culverts to mimic natural streambed conditions. The design will embed each culvert, size for the active channel width or 100-year flood event (whichever is larger), allowing for substrate throughout the culvert bottom and natural sediment movement by the road crossing location. Successful design and installation will permit the passage of all aquatic species.

This project will be a cooperative effort between the U.S. Forest Service and the Nez Perce Tribe on federal lands and a cooperative effort between Potlatch Corporation and the Nez Perce Tribes on private elands. It will involve personnel including Fisheries biologists, Civil Engineers, heavy equipment operators, and laborers. The normal work window for construction projects of this type occurs between July 1 and August 15.

Ownership of the area this project will be implemented in is 33% private, 12% state, and 55% federal. Implementation of this project will benefit Snake River Basin ESU steelhead. Westslope cutthroat trout are also present in this watershed.

Project Ref	Grantee	Project Name	State
032 04 CW	ID OSC	Crooked Brushy Road Decommissioning Project	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-01-OCT-06	Salmon Habitat Protection and Restoration	$131,000	$90,000	Clearwater

Project Description

The Clearwater National Forest and Nez Perce Tribe have worked together since 1996 to decommission roads on National Forest under a watershed restoration partnership. Over 480 miles of problem roads have been decommissioned since 1996. Approximately half of these have been decommissioned in partnership areas where the tribe contributes funds and labor directly to the project. The Crooked Brushy Road Decommissioning Project involves decommissioning 23 total miles in three small watersheds (Rock Creek 10.1 miles; Haskell Creek 9.8 miles; Spruce Creek 3.1 miles). This project would be completed in partnership with the Nez Perce Tribe-DFRM-Watershed Division.

The primary objective for decommissioning these roads is to reduce watershed impacts by reclaiming roads no longer necessary for the Forest's transportation system. These three small watersheds have extremely high road densities of greater than 10 miles per square mile. The roads proposed for decommissioning are older excess roads with a high potential to continue to deposit large amounts of sediment into streams and to causing severe erosion into streams. The main access roads, those needed for management, will be maintains part of the National Forest Road System.

Road decommissioning treatments range from decompaction in areas with stable fill but reduced infiltration and productivity, to creation of strong outslopes or complete recontours in areas requiring fill stabilization. For every road, all culverts and ditches are pulled. Revegetation of treated areas combines seeding with a non-persistent grass mix, scattering duff excavated from natural ground above road cutslope, and transplanting native forbs and shrubs which are growing on-site either adjacent to or on the road surface. Treatments along stream crossings require a complete recontour of all fill material with stream channels restored to natural grade and dimensions. Each stream crossing receives the same revegetation prescription as the roadbed with a special emphasis on transplant of riparian vegetation. At completion, the area will not longer convey vehicle traffic, and requires no maintenance

This project will take place on lands that are 29% privately owned, and 71% federally owned. Implementation of this project will benefit Snake River Basin ESU steelhead. Steelhead, bull trout westslope cutthroat trout are present within Rock and Haskell creeks. In addition to the above species, spring Chinook salmon is also present in Spruce Creek and downstream of Rock and Haskell creeks in Crooked Fork Creek.

Project Ref	Grantee	Project Name	State
033 04 CW	ID OSC	Lochsa River Fish Passage Improvement Project	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-01-OCT-06	Salmon Habitat Protection and Restoration	$433,000	$212,000	Clearwater

Project Description

The proposed Lochsa River Fish Passage Improvement Project involves the removal of any or all of the five barrier culverts in three streams and replacing the structures with larger culverts or bridges to provide natural substrate conditions to facilitate fish passage for all aquatic resources including steelhead trout. The instream work will occur after July 1 or July 15 (dependent upon the culvert site), with all instream work to be completed by August 15. The stream at each location will be diverted (via temporary culvert) or pumped around the work site (dewatered) and fish screens placed on the pump intakes. The existing barrier culverts will be removed and sites will be excavated to accommodate the new structures. All new structures will be designed to have a natural substrate bottom.

The Clearwater National Forest and Nez Perce Tribe have been working together on identifying and replacing culverts within the Forest that are barriers to fish and other aquatic species. Since 2000, the Forest and the Tribes have replaced 23 culverts opening up over 60 miles of habitat to various native aquatic species including steelhead trout, bull trout, westslope cutthroat trout and spring Chinook salmon. Other partners on this project have included Idaho Transportation Department, US Fish and Wildlife Service, Plum Creek Timber Company, and national Fish and Wildlife Foundation. This proposed project would be completed in partnership with the Nez Perce Tribe-DFRM-Watershed Division.

Land ownership in the project is 1% private, and 99% federal. Implementation of this project will benefit Snake River Basin ESU steelhead. Steelhead trout, bull trout, westlope cutthroat trout are present within Indian Grave, Cabin and Savage creeks. Spring Chinook salmon are present downstream in larger tributaries (Lochsa River, Colt Killed Creek).

Project Ref	Grantee	Project Name	State
035 04 CW	ID OSC	Nez Perce Aquatic Restoration	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-01-OCT-06	Salmon Habitat Protection and Restoration	$612,807	$318,591	Salmon

Project Description

This project is a critical component of an on-going watershed restoration effort within the ceded territory of the Nez Perce Tribe (NPT), also located on the Nez Perce National Forest (NPNF). The NPT and the NPNF have been working cooperatively in the area of watershed restoration since 1997. The NPNF will be a partner in completing these projects. The completion of the suite of activities identified in this project will replace 3 barrier (adult and juvenile) culverts, decommission 11 miles of road, improve 6 miles of trail, completed technical design report for road bioengineering, and enhance 22 sites within meadow/riparian habitat.

Project actions will include replacement of three barrier (adult and juvenile) culverts which will extend fisheries habitats 10.5 miles, allowing the passage of all aquatic species to pristine, spawning, rearing, and over-wintering habitat. Currently these culverts act as barriers to several life stages of fish as well as other aquatic organisms. The replacement of these culverts will be performed using an existing experienced inter-disciplinary team of fisheries biologists, hydrologists, and engineers. Natural streambed simulation will be used in each culvert design. The implementation design will embed each culvert, size for the active channel width or 100-yr. flood event (whichever is larger), allowing for substrate throughout the culvert bottom, and natural sediment movement by the road crossing location. Successful design and installation will permit the passage of all aquatic species.

Eleven miles of Slate Road will be decommissioning and improved. Sediment is a primary limiting factor in the watershed areas targeted for restoration. Sediment input to the stream causes increased fines and cobble embeddedness, which reduce spawning success and winter survival. Roads have been shown to be a major contributor of sediment to streams. Many of the roads within the watersheds exist on land types that have been identified as having an elevated risk of generating sediment due to surface erosion processes, and contribute to landslides or debris torrents. Road decommissioning will remove the roads from the landscape and remove barriers such as culverts; this will return the slopes to natural conditions. Road improvement activities will reduce the effects of the road on the aquatic environment while keeping the road, through activities such as water bars and improving drainage through road systems.

Twenty-two sites within the Slate Creek drainage will be restored by implementing riparian planting, fencing cattle away from the stream and riparian zones, and removing log culverts at stream crossings. These activities will improve aquatic and watershed conditions by allowing riparian zones to grow vegetation that provides shade for streams, therefore reducing temperatures.

A one-half mile section of road stream interface on Slate Creek Road will be assessed under subcontract for needs associated with bioengineering treatment. Currently the road is actively eroding into the stream in which it sets directly above. The result will be a technical design report giving options for the best treatments available to address this sediment problem.

The North Fork Slate Creek Trail will be improved by reconstructing damaged sections of trail. In addition, three stream crossings along the trail will be improved by hardening the crossing, which will limit sediment deposition downstream of the trails.

Ownership of property in the project area is 100% federal. Implementation of this project will benefit Snake River Basin ESU steelhead. Bull trout, and westslope cutthroat trout are also present in this watershed.

Project Ref	Grantee	Project Name	State
040 04 CW	ID OSC	Potlatch River Watershed Restoration	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-30-SEP-06	Salmon Habitat Protection and Restoration	$250,000	$140,800	Clearwater

Project Description

Under this project the Latah Soil and Water Conservation District implement Best Watershed Management Practice (BMPs) treatments on a number of distinct (to be identified) sites in the Potlatch River watershed. Private landowners will participate voluntarily in this project.

The Potlatch River is the largest tributary in the lower Clearwater River drainage. It represents one of the largest anadromous sub watersheds in the Clearwater River drainage that is dominated by private land ownership. Comprehensive fish surveys were completed in 1995-1996 in the Potlatch River Basin. These surveys documented wild steelhead/rainbow trout as the most abundant salmonid species in eighteen out of twenty-one major sub watersheds. Distribution, abundance and population estimates were produced. Comprehensive interagency teams completed habitat assessments throughout the drainage. Resource assessment identified hydrograph modification as the major limiting factor for anadromous fish populations in those tributaries of the Potlatch River where land use was dominated by agriculture. A lack of overwintering habitat specifically pools was identified as a major limiting factor in high elevation, timbered watersheds in the upper Potlatch River Basin.

Implementation of BMPs through this project is intended to enhance and restore A-run steelhead trout production and reduce delivery of non-point source pollutant to Idaho 303(d) listed streams in the Potlatch River Basin. Several watersheds in the Potlatch River have been prioritized for immediate treatment based on findings of four, watershed-wide assessments (fisheries, habitat, Animal Feeding Operations, and the Beneficial Use Reconnaissance Protocol).

Distinct BMPs will be selected that are appropriate to address limiting factors specific to each site. The BMP categories include: riparian/meadow systems; animal feeding operation; agricultural/cropland; forest road practices; and possibly channel reconstruction. Examples of BMPs treatments include: fencing, plantings, nutrient management systems, offsite watering, direct seeding systems, erosion control structures, rocking forest roads, seeding cut slopes, and recovery of channeled stream captured by abandoned rail or roadway. Private landowners will volunteer to participate in this project contribution their property for treatment and an in-kind cost share.

General project tasks will include: landowner outreach and coordination; identification of target projects, coordination of technical and financial resources necessary to implement identified projects; project planning, engineering and permitting; installation of project measures; and monitoring associated with water quality and monitoring.

Implementation of this project will benefit Snake River Basin ESU steelhead. Salmonids present within the Potlatch River Basin include 73% wild steelhead (ESA listed)/rainbow trout, 21% non-native brook trout, 6% other salmonids.

Project Ref	Grantee	Project Name	State
PCSRF04A	Grand Ronde	Agency Creek Stream Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-01-JUN-05	Salmon Habitat Protection and Restoration	$28,892	$0	Willamette

Project Description

The Tribes proposes to improve fish habitat in Agency Creek by placing in-stream structures. The reach to be enhanced is approximately 1.5 miles in length and is located between Yoncalla and West Fork Agency Creeks. Habitat structures would be created using large logs or trees and boulders in several locations in this reach. Approximately 90 logs would be placed in complexes of 3-7 logs, with a goal of 40-60 logs per mile. Large diameter logs with a length adequate for the stream channel would be used to ensure that placed logs are stable and provide habitat for as long as possible. When possible, logs with root wads attached would be used. Structures would be designed and placed to maximize the benefit to fish by creating and maintaining pools and complex channels and providing cover. Log placements would take place in 2004 during the instream work period of July 1 to October 15. The Tribes would begin planning for the enhancement work in 2003. Existing stream survey data for the reach would be evaluated to assess current stream channel conditions and needs. Site visits would be made to determine the placement and locations of structures. Based on the outcome of evaluating the current channel and site visits, detailed site plans and costs would be developed. At this time the final number of logs and structures would be determined. Log structure design, location, and placement would follow the guidelines of A Guide to Placing Wood in Streams published May 1995 by Oregon Department of Forestry and Oregon Department of Fish and Wildlife. The project would follow the Oregon Aquatic Habitat Restoration and Enhancement Guide and would follow the timing guidelines of the Oregon Guidelines for Timing of In-water Work to Protect Fish and Wildlife Resources. Additional technical support would be sought from experts with Oregon Department of Fish and Wildlife.

Project Ref	Grantee	Project Name	State
CTGR - 2003	Grand Ronde	Grand Ronde Tribes Agency Creek Habitat Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-04-31-OCT-05	Salmon Habitat Protection and Restoration	$65,000	$0	Willamette

Project Description

The Tribes proposes to improve fish habitat in Agency Creek by placing in-stream structures. The reach to be enhanced is approximately 1.5 miles in length and is located between Yoncalla and West Fork Agency Creeks. Habitat structures would be created using large logs or trees and boulders in several locations in this reach. Approximately 90 logs would be placed in complexes of 3-7 logs, with a goal of 40-60 logs per mile. Large diameter logs with a length adequate for the stream channel would be used to ensure that placed logs are stable and provide habitat for as long as possible. When possible, logs with root wads attached would be used. Structures would be designed and placed to maximize the benefit to fish by creating and maintaining pools and complex channels and providing cover. Log placements would take place in 2004 during the instream work period of July 1 to October 15. The Tribes would begin planning for the enhancement work in 2003. Existing stream survey data for the reach would be evaluated to assess current stream channel conditions and needs. Site visits would be made to determine the placement and locations of structures. Based on the outcome of evaluating the current channel and site visits, detailed site plans and costs would be developed. At this time the final number of logs and structures would be determined. Log structure design, location, and placement would follow the guidelines of A Guide to Placing Wood in Streams published May 1995 by Oregon Department of Forestry and Oregon Department of Fish and Wildlife. The project would follow the Oregon Aquatic Habitat Restoration and Enhancement Guide and would follow the timing guidelines of the Oregon Guidelines for Timing of In-water Work to Protect Fish and Wildlife Resources. Additional technical support would be sought from experts with Oregon Department of Fish and Wildlife.

Project Ref	Grantee	Project Name	State
531-xxxx-03-500-	Grand Ronde	Grand Ronde Tribes Fish Passage Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-31-OCT-05	Salmon Habitat Protection and Restoration	$100,000	$0	Willamette

Project Description

The Confederated Tribes of Grand Ronde will improve fish passage to Upper Willamette ESU steelhead by removing or replacing four problem culverts with embedded round and pipe arch culverts. All assessment and design planning will follow the guidelines an

Project Ref	Grantee	Project Name	State
2480555	Grand Ronde	Grand Ronde Tribes Fish Passage Projects	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Habitat Protection and Restoration	$71,250	$0	Willamette

Project Description

The Confederated Tribes of Grand Ronde will improve fish passage to Upper Willamette ESU steelhead by removing or replacing four problem culverts with embedded round and pipe arch culverts. All assessment and design planning will follow the guidelines and meet the criteria of the Oregon Road-Stream Crossing Restoration Guide: Spring 1999 (Robison et al. 1999) referred to in the Oregon Aquatic Habitat Restoration and Enhancement Guide, May 1999.

Project Ref	Grantee	Project Name	State
2480550	Grand Ronde	Grand Ronde Tribes Salmon Recovery Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-30-SEP-01	Salmon Habitat Protection and Restoration	$47,500	$0	Willamette

Project Description

The Confederated Tribes of Grand Ronde will improve fish passage to Upper Willamette ESU steelhead by removing or replacing four problem culverts with embedded round and pipe arch culverts. All assessment and design planning will follow the guidelines and meet the criteria of the Oregon Road-Stream Crossing Restoration Guide: Spring 1999 (Robison et al. 1999) referred to in the Oregon Aquatic Habitat Restoration and Enhancement Guide, May 1999.

Project Ref	Grantee	Project Name	State
2004-4-01	CRITFC Yakama Tribes	Phase III Equipment Acquisition (Dump Truck)	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-DEC-05	Salmon Habitat Protection and Restoration	$39,000	$0	Yakima

Project Description

Pase III purchase of good quality used dump truck to haul Phase I purchase of Cat 416 backhoe/oader. Phase II trailer purchased with FY 2003 PCSRF funds.

Project Ref	Grantee	Project Name	State
2004-4-02	CRITFC Yakama Tribes	Habitat Project Information Development	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-30-SEP-06	Salmon Habitat Protection and Restoration	$36,772	$0	Yakima

Project Description

This proposal provides funding for information that is critical for thorough development of habitat proposals. this fills a critical gap in watershed restoration, protection and assessment efforts. This source of funding will provide for property surveys appraisals, appraisal reviews, title searches and other work necessary for adequately developing habitat protection proposals for large projects. The funding will also provide for preliminary engineering and development of cost estimates, to ensure that habitat restoration grant requests are based on solid information.

Project Ref	Grantee	Project Name	State
2004-4-03	CRITFC Yakama Tribes	Holmes Property Acquisition II	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-DEC-04	Salmon Habitat Protection and Restoration	$250,500	$0	Yakima

Project Description

This project willl provide cost-share funding for purchae of 50-acre floodplain parcel that included productive side channel of the Yakima River mainstem. The entire property is within the Yakima River's geomorphic floodplain. The property is managed as irrigated pasture, with a notable surface water right that will be reverted to a instream flow augmentation once the proper is purchased. The property also includes a 1200 square foot resicence, and two outbuildings. Future management will be as a natural habitat with a small portion of the property possibly developd at some time in the future as the YN's main Yakaima Basing Coho acclimation facility.

Project Ref	Grantee	Project Name	State
2004-4-04	CRITFC Yakama Tribes	Pine Creek Engineering	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-DEC-05	Salmon Habitat Protection and Restoration	$34,894	$0	Middle Columbia

Project Description

The proposed project is to survey the Pine creek crossing at Highway 14 to examine fish passage issues. The work would be completed by open bid to Engineering contractors. The firm would then identify the scope of work to be completed with a report of recommendations for fish passage alternatives, cost estimates and the merits of the alternatives.

Project Ref	Grantee	Project Name	State
2004-4-06	CRITFC Yakama Tribes	Ahtanum Creek Fish Screen	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$81,000	$0	Yakima

Project Description

The Yakama Nation would like to install one self-powered fish screen on the Herke-Elgin irrigation diversion which is located on Ahtanum creek. This screen would prevent salmonids and other species of fish fish from being entrained into the irrigation ditch and subsequently spilled onto agricultural fields.

Project Ref	Grantee	Project Name	State
2004-4-07	CRITFC Yakama Tribes	Ahtanum Creek Stock Water Pump	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$25,970	$0	Yakima

Project Description

The Yakama Nation (YN) would like to install one solar powered stock water pump along the upper mainstem of Ahtanum creek. The project would consist of a well, a solar powered pump, a water delivery system consisting of buried PVC pipe and several stock tanks. The water would be puped from the well into a large reservoir tank, and then would flow out of a tank through buried pipe and into several stock tanks located away from the well location.

We will work with the lessee to ascertain the best location for the well and the stock tanks. The BPA funded Ahtanum Wtershed Project will pay for the large reservoir tank and the installation of the PVC pipe.

Project Ref	Grantee	Project Name	State
2003-4-01	CRITFC Yakama Tribes	Little Naches River Habitat Acquisition Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-31-DEC-05	Salmon Habitat Protection and Restoration	$35,000	$0	Yakima

Project Description

Planned acquisition of approximately 320 acres of prime salmonid habitat that would include a portion of the Little Naches River, along with associated side channels and tributary streams. The land would be purchased from a private industrial timber company that has expressed interest in selling. Within the property, there is approximately 4300 lineal feet of high quality mainstem river habitat, and and equal or greater length of side channel habitat. Acquisition of the property will protect and preserve this habitat in perpetuity for fisheries production. The habitat in this site currently provides excellent spawning and rearing conditions for spring chinook, steelhead, resident trout, and any future reintroduction of coho salmon. Much of the river and side channels in this area have exceptional large woody debris loading. The in-channel wood has created a complex array of quality habitat conditions for both spawning and rearing This land is at risk of being purchased by developers and subdivided into cabin and recreational sites. Development in this area would likely degrade habitat and water quality conditions, and thereby reduce fisheries production in the watershed. The property acquisition will be a joint venture, with the preponderance of funds coming from other land trusts, conservation groups, and agencies. Total land area purchased will be dependent upon funding available from cost share partners. Upon purchase of the land, the deed is expected to be transferred to the U.S. Forest Service with restrictions on the title that will ensure that the habitat, stream functions and water quality will be protected.

Project Ref	Grantee	Project Name	State
2003-4-06	CRITFC Yakama Tribes	Phase II Equipment Acquisition (Trailer)	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-31-DEC-05	Salmon Habitat Protection and Restoration	$8,000	$0	Yakima

Project Description

Phase II purchase of good quality used trailer to haul Phase I purchase of Cat 416 backhoe/loader. This project will allow staff to implement smaller scale projects directly. Equipment will allow project staff to directly perform the majority of operation and maintenance tasks associated with hatcheries, acclimation sites, and fishways, saving project funds.

Project Ref	Grantee	Project Name	State
2003-4-09	CRITFC Yakama Tribes	Construction of Castile Falls 4/5 In-Channel Sills	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-31-DEC-05	Salmon Habitat Protection and Restoration	$195,353	$0	Middle Columbia

Project Description

This project fits directly to the tribal salmon recovery plans by reestablishing fish passage and providing the ability to increase natural production. This portion of the project is a key component to construction of an overall efficient fishway system. An efficient fishway system coupled with increased natural production will provide the opportunity to reestablish a tribal fishery within the closed area of the Yakama Reservation. This specific project consists of installing a concrete control sill immediately downstream of Castile Falls 4&5 fishway exit.

Project Ref	Grantee	Project Name	State
2003-4-10	CRITFC Yakama Tribes	Ahtanum, Toppenish, Simcoe and Agency Creek Gaging Station Construc	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-31-DEC-05	Salmon Habitat Protection and Restoration	$29,612	$0	Yakima

Project Description

Project Description: The Yakama Nation proposes to build 7 automated discharge monitoring stations along Ahtanum, Toppenish and Simcoe creeks. These stations will monitor stage, discharge and temperature. Adding telemetry equipment to these stations will allow for real-time monitoring of the stream and the rapid determination of where irrigation withdrawals are occurring.

Project Ref	Grantee	Project Name	State
2002-4-01	CRITFC Yakama Tribes	Wenatchee Basin Riparian Enhancement and Coho Reintroduction II	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	22-MAY-03-31-DEC-04	Salmon Habitat Protection and Restoration	$281,665	$0	Upper Columbia

Project Description

Objective is to acquire property to provide a site for coho acclimation in the future to complement the mid-Columbia Coho Reintroduction Project, along with restoring other salmon populations. The intent is also to acquire office, storage, and housing facilities for Yakama Nation staff in the Wenatchee River Basin.

Project Ref	Grantee	Project Name	State
2002-4-02	CRITFC Yakama Tribes	Hanson Ponds Floodplain Restoration Project on Yakima River	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	22-MAY-03-31-DEC-04	Salmon Habitat Protection and Restoration	$78,485	$0	Yakima

Project Description

This project recreated a large side channel along the Yakima River mainstem. To accomplish this, a 4500-foot levee has been breached, allowing a controlled portion of the river to flow through the Hanson Ponds, which are shallow, floodplain gravel pits. The upper pond is 12 acres, while the lower pond is 18 acres in size. The levee served as an access road into the property. The roadway surface has been ripped and seeded. The project also placed large woody debris in the ponds to enhance stream complexity, and excavation spoils have been placed in the ponds to create peninsulas. Juvenile spring Chinook, coho, steelhead, and resident game fish will benefit through improved rearing habitat. The City of Cle Elum, Washington Department of Transportation, and Washington Fish and Wildlife are involved in the project.

Project Ref	Grantee	Project Name	State
2002-4-03	CRITFC Yakama Tribes	Yakima Basin Riparian and Floodplain Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	22-MAY-03-01-JUN-03	Salmon Habitat Protection and Restoration	$43,523	$0	Yakima

Project Description

Currently, non-native invasive plant species are widespread throughout the Yakima Basin. Russian Olive, a large deciduous tree, has spread across thousands of acres of floodplain in Toppenish, Satus, and Ahtanum Creeks. It is proposed to purchase a bulldozer to double efforts toward eradication of Russian Olive. This project involves the purchase of a bulldozer to assist in vegetation restoration efforts. The bulldozer is used for the removal of invasive Russian olive trees. Once the olive trees are removed, the areas are allowed to revegetate or they are replanted (if necessary) to native communities.

Project Ref	Grantee	Project Name	State
2002-4-11	CRITFC Yakama Tribes	Holmes Property Acquisition I	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Habitat Protection and Restoration	$42,515	$0	Yakima

Project Description

This project willl provide cost-share funding for purchae of 50-acre floodplain parcel that included productive side channel of the Yakima River mainstem. The entire property is within the Yakima River's geomorphic floodplain. The property is managed as irrigated pasture, with a notable surface water right that will be reverted to a instream flow augmentation once the proper is purchased. The property also includes a 1200 square foot resicence, and two outbuildings. Future management will be as a natural habitat with a small portion of the property possibly developd at some time in the future as the YN's main Yakaima Basing Coho acclimation facility.

Project Ref	Grantee	Project Name	State
2001-4-01	CRITFC Yakama Tribes	Starvation Flats Floodplain Restoration Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-01-NOV-02	Salmon Habitat Protection and Restoration	$53,243	$0	Yakima

Project Description

Project objectives will be achieved through the removal of an improperly functioning culvert, installation of a stream ford, removal and relocation of a floodplain road, and implementation of bioengineered channel stablization measures.

Project Ref	Grantee	Project Name	State
2001-4-02	CRITFC Yakama Tribes	Hanson Ponds Floodplain Restoration Project on the Yakima River I	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-DEC-01-31-DEC-04	Salmon Habitat Protection and Restoration	$273,682	$0	Yakima

Project Description

This project recreated a large side channel along the Yakima River mainstem. To accomplish this, a 4500-foot levee has been breached, allowing a controlled portion of the river to flow through the Hanson Ponds, which are shallow, floodplain gravel pits. The upper pond is 12 acres, while the lower pond is 18 acres in size. The levee served as an access road into the property. The roadway surface has been ripped and seeded. The project also placed large woody debris in the ponds to enhance stream complexity, and excavation spoils have been placed in the ponds to create peninsulas. Juvenile spring Chinook, coho, steelhead, and resident game fish will benefit through improved rearing habitat. The City of Cle Elum, Washington Department of Transportation, and Washington Fish and Wildlife are involved in the project.

Project Ref	Grantee	Project Name	State
2001-4-04	CRITFC Yakama Tribes	Wenatchee Basin Coho Reintroduction and Enhancement Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Salmon Habitat Protection and Restoration	$29,017	$0	Upper Columbia

Project Description

The objective of this proposal is to acquire property to provide a site for coho egg incubation to complement the mid-Columbia Coho Reintroduction Project, along with restoring other salmon populations. The intent is also to acquire office, storage, and housing facilities for Yakama Nation staff in the Wenatchee River Basin. Land acquisition; coho egg incubation and riparian protection.

Project Ref	Grantee	Project Name	State
2000-4-01	CRITFC Yakama Tribes	Ahtanum Creek Fencing and Riparian Revegetation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-DEC-00-31-DEC-04	Salmon Habitat Protection and Restoration	$83,164	$0	Yakima

Project Description

The initial proposal of 14 miles of fence was overly ambitious. The Ahtanum Fencing Project completed 8.2 miles of fence. It should be noted that all of the fence was constructed in areas with either excellent riparian that need to be protected, or areas that were completely denuded, and had be identified as critical areas to recover.

Project Ref	Grantee	Project Name	State
2001-3-02	CRITFC Warm Springs Tribes	Farmers Irrigation District Screen Replacement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-DEC-01-01-SEP-02	Salmon Habitat Protection and Restoration	$40,000	$0	Middle Columbia

Project Description

Farmers Irrigation District serves irrigation water to nearly 5000 acres of orchard land in the Hood River subbasin. The main supply canal for this water is Farmers Canal, an 80 cfs diversion on the mainstem Hood River. The diversion is currently screened with two rotary drums that fail to meet Federal and State standards. The goal of this project is to purchase a new screen consisting of a horizontal plane, and perforated plate screen that will extend from the entrance canal over a stilling basin.

Project Ref	Grantee	Project Name	State
2001-3-03	CRITFC Warm Springs Tribes	John Forrest Ranch Lease	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-DEC-01-01-JUL-02	Salmon Habitat Protection and Restoration	$50,000	$0	John Day

Project Description

The CTWSRO have been working to acquire the Forrest Ranch for several years. There is an immediate need to lease the property from the landowner until the property is formally acquired to protect fish and acquatic resources that continue to be threatened from continued grazing. Protection of this property is a high priority for the CTWSRO.

Project Ref	Grantee	Project Name	State
2001-3-05	CRITFC Warm Springs Tribes	Warm Springs Reservation Watershed Project Maintenance I	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-DEC-01-31-DEC-04	Salmon Habitat Protection and Restoration	$77,910	$0	Deschutes

Project Description

The CTWSRO has implemented over 30 miles of riparian exclosure fencing and has implemented over $120000 of solar water developments to keep livestock away from sensitive streambank areas. Results from these projects were not demonstrating desired improvements as quickly as intended for many reasons. Increased fence patrol and treatments for noxious weeds and juniper encroachment are needed to reach the desired results for these riparian protection projects. This project is an ongoing program, to be continued with funding from FY 2002-2003.

Project Ref	Grantee	Project Name	State
2001-3-06	CRITFC Warm Springs Tribes	East Fork Irrigation District Central Lateral Canal I	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-02-31-DEC-04	Salmon Habitat Protection and Restoration	$30,222	$0	Middle Columbia

Project Description

The East Fork project replaces the Dee Diversion project that was previously approved but is being delayed until a feasibility study is completed. The East For Irrigation District (EFID) diverts 5 cfs from Neal Creek, a tributarty to the mainstem Hood River. A 32" diameter by 100" long rotary fish screen located in the ditch 1/3 mile down stream is inadequeate to handle the ovlume of water in the ditch. At full operation, irrigation water tops the screen allowing fish access into the irrigation canal. CTWSRO and ODFW salvage operation have found steelhead/rainbow trout, coho, and cutthroat trought throughout the Neal creek ditch and lateral canals. Approach velocities were estimated at 2.0 ft/s, which is approximately 5 timese the NOAA Fisheries standard, 0.4 ft/s. Also, the mesh size od the rotary screen (1/8") does not meet NOAA Fisheries criteria (3/32"). Currently, EFID dumps glacial sediment laden irrigation water into Neal Creek, tranports it downstrema to the diversion dam and into the canal. All of the stream flow from the mouth to where the irrigation water enters Neal Creek is turbid, a distance of about 5 miles.

This Central Lateral Canal project pipes an existing open ditch, extends the pipeline down a slope, provides an inverted siphon under Neal Creek, and connects with the Eastside Ditch.

Project Ref	Grantee	Project Name	State
2000-3-03	CRITFC Warm Springs Tribes	John Day Watershed Restoration Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-DEC-00-30-SEP-01	Salmon Habitat Protection and Restoration	$38,827	$0	John Day

Project Description

Construction of riparian cooridor fences on the John Forrest Ranch, located on the upper mainstem and Middle Fork John Day rivers. The Forrest property is important for the recovery of several fish species in the John Day river basin.

Project Ref	Grantee	Project Name	State
2004-2-01	CRITFC Umatilla Tribes	West Birch Creek Passage Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-AUG-05	Salmon Habitat Protection and Restoration	$93,000	$0	Middle Columbia

Project Description

The Project will provide passage facilities at a diversion dam passage impediment on west Birch Creek, tributary to mainstem Birch Creek and thence the Umatilla River. The barrier at river mile 3.5 on West Birch Creek is 1. an impediment to adult summer steelhead upstream migration, and 2. a block to jevenile steelhead movement during rearing. The dam also interferes with redband trout movement. By replacing the concrete irrigation diversion dam with a full-channel fishway to improve access to about 40 stream miles of steelhead habitat.

Project Ref	Grantee	Project Name	State
2004-2-02	CRITFC Umatilla Tribes	Clear Creek Floodplain Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-DEC-05	Salmon Habitat Protection and Restoration	$20,510	$0	John Day

Project Description

Redistribute 220,000 cubic yards of dredge tailings to be buried or contoured and create a more natural floodplain. After excavation and tilings redistribution is completed the floodplain will be planted with native grasses, hardwoods and conifers. This will enhance the spawning and rearing habitat through estableishment of natural flood plain function and riparian recovery in reaches supporting Columbian Basin Summer Steelhead and Spring Chinook Salmon. The PCSRF deliverable for year-one PCSRF funding will be to assist with resdistribution of tailings. Completion of redistribution and revegetation (with possible use of CTUIR native plant nursery) will occur in out-years.

Project Ref	Grantee	Project Name	State
2004-2-03	CRITFC Umatilla Tribes	Large Wood Additions to Iskuulpa Watershed	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-DEC-04	Salmon Habitat Protection and Restoration	$80,000	$0	Middle Columbia

Project Description

The Confederated Tribes of Umatilla Indian Reservation (CTUIR) proposes to contract helicopter services to install 40-50 whole trees to Iskuulpa Creek floodplain. Past timber harvest and associated road construction have reduced large wood supply in the floodplain and active channel. Continued placement of large wood in Iskuulpa Creek to reduce flow energies increace fine sediment for vegitation development and improve instream habitat diversity for fish.

Project Ref	Grantee	Project Name	State
2004-2-04	CRITFC Umatilla Tribes	CTUIR Native Plant Nursery	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-DEC-05	Salmon Habitat Protection and Restoration	$60,000	$0	Lower Columbia

Project Description

Continue nursery operation and management to provide a local plant source for various fish and wildlife habitat enhancement projects. Immediate availablity of plant materieals for CTUIR and other entities involved in fish habitat enhancement projects in NE Oregon and SE Washington. Availablitly of local stock or specialized plant species. Habitat enhancement projects are anticipated to utilize plant material produced resulting in reduced cost.

Project Ref	Grantee	Project Name	State
2004-2-08	CRITFC Umatilla Tribes	Umatilla Cooridor Habitat Acquisition	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$86,700	$0	Middle Columbia

Project Description

Conduct pre-acquisition and acquisition activities to secure and protect floodplain and/or watershed habitat on the Umatilla Indian Reservation for re-introduced chinook and coho salmon, and threatened summer steelhead. Emphasis will be placed on fish-bearing habitats at-rish of housing development and resource extraction.

Project Ref	Grantee	Project Name	State
2004-2-09	CRITFC Umatilla Tribes	Habitat Restoration in the Walla Walla Basin	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$10,000	$0	Middle Columbia

Project Description

The project proposes to address habitat deficiencies in the Walla Walla River Basin resulting from past land-use practices. It will provide cost share to BPA funded fish habitat enhancement projects in the Walla Walla Basin. Road building and maintenance, urban and rural development, agriculture, livestock grazing, logging, flood control, irrigation, and other activities have combined to dramatically effect the health of the aquatic system and salmonoid fish. Efforts proposed within this project will address the limiting factors at some level. Once applications are recieved they will be ranked on biological merit by a committee comprised of WDFW, CTUIR, USFWS and TSS.

Project Ref	Grantee	Project Name	State
2003-2-02	CRITFC Umatilla Tribes	Brownell Diversion Dam Removal	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-NOV-03-31-DEC-05	Salmon Habitat Protection and Restoration	$35,000	$0	Middle Columbia

Project Description

Remove or modify the Brownell Diversion Dam located at rivermile 2.0 of the lower Umatilla River to improve passage conditions for all adult anadromous salmonid species (spring and fall chinook, coho, and summer steelhead) migrating into the Umatilla River.

Project Ref	Grantee	Project Name	State
2003-2-03	CRITFC Umatilla Tribes	Birch Creek Subbasin Steelhead Passage Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-NOV-03-31-DEC-05	Salmon Habitat Protection and Restoration	$30,000	$0	Middle Columbia

Project Description

The Oregon Department of Fish and Wildlife have identified numerous obstructions within the Birch Creek Watershed, a subwatershed located within the Umatilla River Basin, restricting or limiting introduced and mid Columbia Evolutionary Significant Unit of wild summer steelhead. This is a native species that is currently listed as threatened under the federal Endangered Species Act. The Confederated Tribes of the Umatilla Indian Reservation propose to remove and alter two of the identified barriers delaying and impeding anadromous salmonid migration. Removal or modification of these barriers will provide access to stream reaches currently under-utilized and will improve access for adult spawning, juvenile rearing and adult and juvenile holding. Fish passage barrier removal on mainstem Birch Creek and West Fork Birch Creek, tributaries to the Umatilla River.

Project Ref	Grantee	Project Name	State
2003-2-04	CRITFC Umatilla Tribes	Umatilla Corridor Habitat Acquisitions	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-NOV-03-31-DEC-05	Salmon Habitat Protection and Restoration	$150,000	$0	Middle Columbia

Project Description

Project area includes floodplain corridors of the Umatilla River, Meacham Creek, Iskuulpa Creek, and Buckaroo Creek on the Umatilla Indian Reservation. Intial focus is on 280 acres of available fee land on the mainstem Umatilla River, just above its confluence with Iskuulpa Creek. The site includes floodplain habitat possessing significant geomorphic diversity, and is the subject of groundwater/surface water studies sponsered by the Univ. California Santa Barbara, University of Montanna, and the CTUIR.

Project Ref	Grantee	Project Name	State
2003-2-07	CRITFC Umatilla Tribes	Habitat Restoration in the Walla Walla Basin	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-NOV-03-31-DEC-05	Salmon Habitat Protection and Restoration	$10,000	$0	Middle Columbia

Project Description

In the summer of 2005, the Confederated Tribes of the Umatilla Indian Reservation (CTUIR) in coordination with the Walla Walla Conservation District intend to modify an adult migratory barrier at Gose Street on Mill Creek in Walla Walla County. For decades, a series of small dams under the bridge at Gose Street have severely reduced and in some cases eliminated the number of adult salmonid fish attempting to access quality spawning habitat in the upper reaches of this stream. We have secured $127,000 dollars through the Salmon Recovery Funding Board of which approximately $27,000 has been identified for permitting and design. An additional $10,000 dollars from Pacific Coastal Salmon Funds have also been obtained and are currently being used to begin the design work. A grant requesting $25,000 from the Walla Walla Watershed Alliance has been submitted and we are confident that these dollars will be awarded to us. Another $100,000 dollars as part of the Walla Walla Passage Improvement Projects from the BPA will be included once it becomes available.

Project Ref	Grantee	Project Name	State
2002-2-01	CRITFC Umatilla Tribes	Additional Habitat Acquisitions in Iskuulpa and Buckaroo Watersheds III	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	17-DEC-02-15-APR-04	Salmon Habitat Protection and Restoration	$113,570	$0	Middle Columbia

Project Description

The purpose of habitat acquisition in the Iskuulpa and Buckaroo Watersheds is to provide perpetual protection of watershed habitat resources in watersheds containing threatened summer steelhead. The main goal of the project is to acquire up to 2,356 acres of fee lands within two watersheds on the Umatilla Indian Reservation containing spawning habitat for threatened middle-Columbia River steelhead.

Project Ref	Grantee	Project Name	State
2002-2-02	CRITFC Umatilla Tribes	South Fork Walla Walla Property Acquisition	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	17-DEC-02-31-DEC-04	Salmon Habitat Protection and Restoration	$220,500	$0	Middle Columbia

Project Description

The CTUIR plan to purchase the 46-acre Kentch property on the South Fork Walla Walla River. The primary goal of this acquisition is to protect the property from future development and to transfer a 13-acre, .48 cfs senior irrigation water right to a legally protected instream flow right. This will eliminate the need for a push-up dam every year. These actions will have direct benefits to the South Fork Walla Walla River, a river containing summer steelhead, bulltrout and spring chinook.

Project Ref	Grantee	Project Name	State
2002-2-03	CRITFC Umatilla Tribes	Placement of Large Wood for Habitat Enhancement in Upper Umatilla Riv	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	17-DEC-02-01-DEC-03	Salmon Habitat Protection and Restoration	$47,315	$0	Middle Columbia

Project Description

The goal of the project is to provide near and long-term sources of large wood to facilitate improved floodplain function and to improve threatened summer steelhead rearing success in these systems. Rearing success is limited by partial channel dewatering during base-flow periods. Helicopter services will be contracted out to install 175 whole trees to the Iskuulpa and Buckaroo creek floodplains.

Project Ref	Grantee	Project Name	State
2002-2-04	CRITFC Umatilla Tribes	Continue Native Plant Nursery Operations for Fish Habitat Enhancement II	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	17-DEC-02-31-DEC-04	Salmon Habitat Protection and Restoration	$55,338	$0	Middle Columbia

Project Description

This project is a continuation of the CTUIR PCSRF project of FY 2001. The CTUIR has operated a native plant nursery for the last five years for the purpose of providing locally adapted plants for riparian restoration projects in the Umatilla, Walla Walla, and Grande Ronde basins. The nursery is in need of additional funding for operation and maintenance. The project will start with renovation of the greenhouse and exploration of an improved watering system.

Project Ref	Grantee	Project Name	State
2002-2-07	CRITFC Umatilla Tribes	Brownell Diversion Dam Removal Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-03-31-DEC-04	Salmon Habitat Protection and Restoration	$5,000	$0	Middle Columbia

Project Description

This project is an engineering assessment of the removal of Brownell Diversion Dam located at rivermile 2.0 of the lower Umatilla River to improve passage conditions for all adult anadromous salmonid species (spring and fall chinook, coho, and summer steelhead) migrating into the Umatilla River.

Project Ref	Grantee	Project Name	State
2002-2-08	CRITFC Umatilla Tribes	Walla Walla Instream Passage	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-DEC-03-31-DEC-04	Salmon Habitat Protection and Restoration	$30,000	$0	Middle Columbia

Project Description

Project's goal is to protect and restore habitat critical to the recovery of weak or reintroduced populations of salmonid fish within the Walla Walla River Basin. This effort will compliment ongoing efforts that include habitat restoration and protection, instream flow enhancement, hatchery supplementation/reintroduction, and juvenile and adult passage improvements. Gravel push-up dams will be eliminated, flood irrigation systems will be converted to sprinklers, and intake systems will be upgraded. Estimated water conservation will be between 5 and 10 cfs back to the river during the critical summer months.

Project Ref	Grantee	Project Name	State
2001-2-01	CRITFC Umatilla Tribes	Habitat Acquisition in Iskuulpa (formerly Squaw Creek) and Buckaroo Cree	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-01-31-DEC-04	Salmon Habitat Protection and Restoration	$343,925	$0	Middle Columbia

Project Description

Acquire habitat in the Iskuulpa and Buckaroo watersheds on the Umatilla Indian Reservation. Each watershed provides spawning habitat for Threatened summer steelhead and has a watershed management plan in development that will provide the means to consistently manage newly acquired lands commensurate with Tribal lands, existing fish and wildlife mitigation lands, and Tribal fish, wildlife, and watershed restoration goals.

Project Ref	Grantee	Project Name	State
2001-2-02	CRITFC Umatilla Tribes	Assistance to Native Plant Nursery for Fish Habitat Enhancement I	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-01-31-DEC-04	Salmon Habitat Protection and Restoration	$55,000	$0	Middle Columbia

Project Description

Project includes the development and operation of full function native plant nursery facilities on the Umatilla Indian Reservation. The facilities will provide for the customized production of a wide variety of high quality, locally addapted native plant materials to support habitat restoration efforts in the Umatilla, Walla Walla, Grande Ronde and John Day Basins. Project will also provide the foundation for research, monitoring and evaluation of native plant restoration techniques and culturally sensitive ecological restoration.

Project Ref	Grantee	Project Name	State
2000-2-01	CRITFC Umatilla Tribes	Iskuulpa Creek (formerly Squaw Creek) and Minthorn Springs Acquisition I	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	27-OCT-00-31-DEC-04	Salmon Habitat Protection and Restoration	$198,354	$0	Middle Columbia

Project Description

Habitat acquisition in the Squaw Creek Subbasin to provide perpetual protection of spawning and rearing habitat. The subbasin contains approximately 23 miles of anadromous and resident fish habitat and over 50 miles riverine habitat. The objective is to obtain fee title to five parcels totalling 612 acres that are under eminent threat of timber harvest. Initial purchase of 80 acres complete. Remaining of project is expected to be completed by November 2003.

Project Ref	Grantee	Project Name	State
2000-2-02	CRITFC Umatilla Tribes	Mission Creek Fish Passage Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	27-OCT-00-30-NOV-01	Salmon Habitat Protection and Restoration	$11,300	$0	Middle Columbia

Project Description

Overall project goal is to enhance habitat for improved natural production of anadromous salmonids in the Umatilla River Basin. The primary objective is to provide summer steelhead (mid Columbia Evolutionary Significant Unit of summer steelhead, currently listed as threatened under the ESA), access to historical spawning and rearing habitat in the Mission Creek Subwatershed by replacing a county road culvert in the upper Mission Creek Drainage with a bottomless, arch culvert.

Project Ref	Grantee	Project Name	State
2000-2-04	CRITFC Umatilla Tribes	Whiskey Creek Fish Passage Improvement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	27-OCT-00-01-SEP-01	Salmon Habitat Protection and Restoration	$8,500	$0	Middle Columbia

Project Description

The objective is to evaluate available habitat for salmonid fish in Whiskey Creek through the removal of a migrational barrier that blocked 10 miles of useable rearing/spawning habitat to adult and juvenile fishes.

Project Ref	Grantee	Project Name	State
2004-1-03	CRITFC Nez Perce Tribe	Wallowa County Watershed Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-AUG-05	Salmon Habitat Protection and Restoration	$30,000	$0	Lower Snake

Project Description

The Wallowa County-Nez Perce Salmon Recovery Plan gives quality aquatic habitat high importance. Improving fish passage and connecting habitat for anadromous salmonids through road and culvert improvements is key to providing this high quality aquatic habitat. This proprosal addresses this issue by replacing a known fish migration barrer culvert and re-opening 3.5 miles of steelhead, salmon and potentially, bull trout habitat. Another component of this project is the protection of a significant and senesitive Camas wetland site. This site is located in a headwater drainage that provides critical stream recharge and water temperature regulation. As part of a cattle grazing allotment, this site is vulnerable to further degradation. This proposal will protect this area by constructing a fence around the site and developing off-site watering facillities for the livestock.

Project Ref	Grantee	Project Name	State
2003-1-02	CRITFC Nez Perce Tribe	Little Salmon River Passage Analysis	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-SEP-03-31-DEC-05	Salmon Habitat Protection and Restoration	$84,001	$0	Salmon

Project Description

The goal of this project is to restore access to habitats within the Little Salmon watershed. The focus is the analysis of passage barriers, other than the falls that are being addressed through previous funding years within the subbasin. Populations of salmon still exist below the falls and analysis of passage barriers would be important to understand any limiting factors to production within in the basin. Passage will be analyzed using current protocols identified by the U.S. Forest Service and implemented in conjunction of the Nez Perce Tribe.

Project Ref	Grantee	Project Name	State
2001-1-01	CRITFC Nez Perce Tribe	Protect Anadromous Fish Habitat within Mill & John's Creeks	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-JAN-02-24-NOV-03	Salmon Habitat Protection and Restoration	$84,000	$0	Clearwater

Project Description

Protect critical fish habitat from further degradation by cattle grazing through the replacement and construction of new riparian protection/cattle exclusion fencing. Both fencing projects will consist of post-and-rail and barbed wire fence, each approximately 2 miles in length. Each project will protect .75 miles of meadow stream where spawning and rearing are critical.

Project Ref	Grantee	Project Name	State
2000-1-01	CRITFC Nez Perce Tribe	Restore Habitat Access within Lolo Creek Watershed	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	26-OCT-00-24-NOV-03	Salmon Habitat Protection and Restoration	$150,000	$0	Clearwater

Project Description

A culvert survey was conducted to determine culvert replacement sites. Two culverts were replaced within Mox and Chamook creeks (both in the Lolo Creek drainage area) in July 2001. Both culverts, prior to replacement, were velocity barriers due to undersized condition. Newly installed culverts are squash pipes sized for 100+ year flood events. Two more culvert replacements occurred during the 2002 field season (Musselshell Creek tributary and Gold Creek). Replacement of the four culverts made more than 6.5 miles of rearing habitat available to chinook salmon, steelhead, and cutthroat trout. Two more culverts to be in place by August 15, 2003. Project is expected to be completed by fall 2003.

Project Ref	Grantee	Project Name	State
2002-5-01	CRITFC	Support Local Salmon Corps Projects	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-31-DEC-04	Salmon Habitat Protection and Restoration	$18,879	$0	Willamette

Project Description

The Salmon Corps receives independent funding from the National Marine Fisheries Service to implement habitat restoration projects funded under the PCSRF. Projects selected by the Salmon Corps will be salmon related habitat restoration projects in the Lower Columbia River. CRITFC will cost-share with this program to assist in project implementation and inter-agency coordination.

Project Ref	Grantee	Project Name	State
Coquille-04	Coquille	Sedimentation Risk Reduction	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-NOV-03	Salmon Habitat Protection and Restoration	$65,000	$0	Southern Oregon Coastal

Project Description

Road improvement. Rock surfacing of 1.0 mile of road. Cleaned ditches and catch basins on 1.0 mile of road. Mulched and seeded disturbance areas on all work sites.

Project Ref	Grantee	Project Name	State
Coquille-03	Coquille	Sedimentation Risk Reduction	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-NOV-03	Salmon Habitat Protection and Restoration	$100,000	$0	Southern Oregon Coastal

Project Description

Road improvement. Replace 8 culverts and cleaned 26 culverts on 3.05 miles of road. Brushed road prism and cleaned ditches on 3.05 miles of road. Mulched and seeded disturbance areas on all work sites.

Project Ref	Grantee	Project Name	State
Coquille-02	Coquille	Sedimentation Risk Reduction	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-31-DEC-02	Salmon Habitat Protection and Restoration	$71,250	$0	Southern Oregon Coastal

Project Description

Road improvement. Replace 7 culverts and clean 114 culverts on 11.5 miles of road. Installed 8 armored rolling dips. Reconstructed and stablized two road bank failures. Brushed road prism on 11.5 miles of road. Decommisson 0.5 mile of road. Mulched and seeded disturbance areas on all work sites.

Project Ref	Grantee	Project Name	State
Coquille-01	Coquille	Sedimentation Risk Reduction	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-AUG-00-30-SEP-01	Salmon Habitat Protection and Restoration	$47,500	$0	Southern Oregon Coastal

Project Description

Road improvement. Decommissioning to reduce sedimentation risk and road density. 1.02 miles of road decommisioned; 12 culverts removed.

Project Ref	Grantee	Project Name	State
CCT04-1	Colville None	Habitat Assessment and Restoration in Okanogan River Tributary	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-SEP-04-31-AUG-07	Salmon Habitat Protection and Restoration	$120,129	$0	Upper Columbia

Project Description

This project will improve spawning and rearing conditions for Upper Columbia ESU summer steelhead and Chinook salmon in an Okanogan River Tributary - Loup Loup Creek. For a number of years the Colville Tribes have focused habitat restoration and protection actions on Omak Creek, an important tributary of the Okanogan River. As a result of these concerted efforts (including habitat acquisition, riparian and instream restoration actions, passage barrier removal, and development of locally adapted steelhead broodstock) significant improvements in canopy cover and steelhead productivity are being seen.

In preliminary coarse level assessments Loup Loup Creek has been identified as a tributary of Omak Creek that has the potential to provide valuable spawning and rearing habitat for summer steelhead and Chinook salmon. Loup Loup Creek enters the Okanogan River at river mle 16.9. Historically, passage of anadromous fish in Loup Loup Creek is thought to have been limited to the lowermost 2.5 miles due to the presence of two 12-foot waterfalls. Currently water in this stretch is limited by major irrigation diversions which render the Creek dry during early summer months.

The Colville Tribes are proposing a two phase project. Phase one will consist of additional habitat and viability assessments of Loup Loup Creek to identify the highest priority, and most cost-effective, restoration actions to take. Phase two would then implement the identified restoration actions. Depending on the results of the habitat and viability assessment these actions would include some combination of culvert replacement, riparian planting and actions to eliminate or alter the existing irrigation diversions.

Project Ref	Grantee	Project Name	State
CCT03-1	Colville	Omak Creek 2003 Habitat Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-SEP-03-31-AUG-06	Salmon Habitat Protection and Restoration	$0	$0	Upper Columbia

Project Description

Acquisition of this site was intended protect an important 4-acre property and associated riparian habitat on lower Omak Creek at the confluence with the Okanogan River. Omak Creek is used by listed Upper Columbia ESU summer steelhead for spawning and rearing. The confluence of Omak Creek and the Okanogan River is also important habitat for summer/fall Chinook salmon. This 4-acre property includes river frontage on both Okanogan River and Omak Creek and is located across the creek from habitat previously acquired by the Colville Tribes. Acquisition of this property would compliment these prior habitat acquisitions. Habitat associated with this property is important to Upper Columbia ESU summer steelhead and Okanogan River summer Chinook. The proposed project includes completion of all necessary permitting, negotiations with land owners, property appraisal, and purchase of property. This property was also identified as important because it would provide access to Omak Creek at a stie that would be optimal for location of a permanent trap for use in the Colville Tribes' locally adapted summer stealhead broodstock program and in the Tribes' monitoring and evaluation activities.

However, upon further investigation the Colville Tribes learned that a culturally sensitive site was located in the general vicinity of this property. Because of the proximity of this culturally sensitive site it will not be possible to located a permanent trap at the site. Additionally, at this time the Tribes' have not come to an agreement to purchase the property with the current owner. Because of these complications the Tribes' have elected not to pursue acquisition of this property. The Colville Tribes will be submitting a request to NOAA Fishereis in late 2004 requesting that funds allocated to this project be reprogrammed.

Project Ref	Grantee	Project Name	State
CCT02-1	Colville	Omak Creek Groundwater Supplementation - Phase II	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-SEP-02-31-AUG-05	Salmon Habitat Protection and Restoration	$95,032	$0	Upper Columbia

Project Description

This project was not implemented due to results of Phase I feasibility study. At time project proposals were submitted for PCSRF FY2002 funding, the results of the Phase I feasibility study were not available. The completed Phase I feasibility study indicated that significant stream temperature cooling could not be achieved with the volume of groundwater available from the well field. Given the results of the study, the Colville Tribes' elected to pursue alternative measures to address the elevated creek temperatures in this reach of Omak Creek (e.g. more aggressive riparian restoration activities). These riparian restoration activities were implemented using non-PCSRF fund sources.

Project Ref	Grantee	Project Name	State
CCT02-2	Colville	Omak Creek Habitat Acquisition and Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-SEP-02-31-AUG-05	Salmon Habitat Protection and Restoration	$59,049	$0	Upper Columbia

Project Description

The property was appraised, negotiations with land owners completed, and final purchase was completed in early 2003. The 2.1-acre site includes approximately one-tenth of a mile of low-bank riparian habitat on Okanogan River. The riparian zone includes a mix of both native and non-native vegetation. Use of the Omak Creek reach adjacent to this site by Okanogan River summer steelhead for migration and rearing is documented. An assessment of need the need for riparian enhancements and weed control was completed. Noxious weed control measures were applied. Native vegetation was planted on site. All necessary permitting and ESA consultation was completed.

Project Ref	Grantee	Project Name	State
CCT02-4	Colville	Omak Creek Summer Steelhead Habitat/Passage Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-SEP-02-31-AUG-05	Salmon Habitat Protection and Restoration	$138,971	$0	Upper Columbia

Project Description

All consultation and permitting requirements were completed. Preliminary evaluation for design work to develop instream structures required to restore fish passage in the Mission Falls area was completed. In October of 2003, a survey was conducted to develop a stream profile with cross-sections which will form the basis for design of the instream structures. The Colville Tribes will begin development of the final design in coordination with other Tribal departments during winter of 2004. Construction/installation is expected occur during the low water flow season in late 2004 (pending clarification of cultural resource questions). Once completed, these instream structures will compromise the lowest barriers in Mission Falls and restore access to upper reaches of this vital watershed. In addition to this work in late 2003 two damaged and undersized culverts on the Haley Creek road which were in eminent danger of washing out and thus destroying essential downstream spawning habitat used by endangered summer steelhead were successfully replaced with a bottomless culvert at approximately RM 9.0.

Project Ref	Grantee	Project Name	State
CCT01-1	Colville	Omak Creek Groundwater Supplementation - Phase I	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	04-DEC-01-31-AUG-04	Salmon Habitat Protection and Restoration	$63,000	$0	Upper Columbia

Project Description

All proposed components of the feasibility study were completed by October 2002. Results from the study indicated the volume of water available from groundwater supplementation would not be adequate to significantly reduce peak day stream temperature. The study, however, yielded data that will help the Colville Tribes more effectively target riparian restoration activities on this section of Omak Creek. Omak Creek particularly important because it is the only Okanogan River tributary on the U.S. side of the border (the Okanogan River Basin rests in both Canada and the U.S.) that has not been significantly altered by human activities. The Colville Tribes are focusing substantial efforts on systematically addressing limiting factors in Omak Creek as part of their overall salmon restoration actions.

Project Ref	Grantee	Project Name	State
2004-1	Chehalis	Riparian Zone Restoration - Main Stem Chehalis	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUL-04-30-JUN-05	Salmon Habitat Protection and Restoration	$50,000	$0	Washington Coastal

Project Description

Restore degraded riparian areas and preserve properly functioning zones along the main stem of the Chehalis River, specifically in pockets along approximately 4 miles of shoreline located within the Chehalis Reservation. Remove non-native vegetation, plant native species to prevent erosion and provide shade. Decommission jeep trails to prevent silty runoff, remove garbage and derelict vehicles from riparian areas to protect water quality. The Chehalis River is utilized by Wahington Coastal Coho, Washington Coastal Chum, Washington Coastal Chinook, Stealhead, Cuthroat trout and Bull trout.

Project Ref	Grantee	Project Name	State
CH0004	Chehalis	Deep Creek Culvert Restoration and Road Abandonment.	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	--31-DEC-05	Salmon Habitat Protection and Restoration	$65,000	$0	Washington Coastal

Project Description

For 2003, the chehalis tribe is proposing to partner with Wa. DNR to decommission approximately 2 miles of roads and remove associated culverts (7). Total number of projects planned are six projects. All projects located within the bunker creek sub-basin, a tributary to Deep Creek.

Project Ref	Grantee	Project Name	State
CH0003	Chehalis	Deep Creek Culvert Restoration and Road Abandonment.	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	30-JUN-02-31-OCT-02	Salmon Habitat Protection and Restoration	$100,000	$0	Washington Coastal

Project Description

Skookumchuck- decommission of 4,100 feet of failing side-cast logging road and the removal of seven culvert fills opening up 1.3 miles additional headwater' s habitat. Deep Creek- removal of three headwater road culverts that were blocking a total of 14,000 feet of prime salmon habitat. One culvert was replaced with a BIG-R bridge, one was totally abandoned, and one was replaced with a counter sunk 8' round pipe. In addition 2,500 feet of logging road was decommissioned. Revegetation of these areas is planned for spring of 2003.

Project Ref	Grantee	Project Name	State
CH0002	Chehalis	Newaukum River - Lincoln Creek Habitat Improvement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	31-JUL-01-30-APR-02	Salmon Habitat Protection and Restoration	$71,250	$0	Washington Coastal

Project Description

Off channel habitat connection, road decommission, livestock exclusion, revegetation. Overall improved habitat (27.5 acers): reconnect channel segments (4 ac), remove road (1,200 ft., 6 ac), exclude livestock (7.5 ac), revegetation (10 ac)

Project Ref	Grantee	Project Name	State
CH0001	Chehalis	Lincoln Creek Habitat Improvement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	31-JUL-00-30-APR-01	Salmon Habitat Protection and Restoration	$47,500	$0	Washington Coastal

Project Description

Off channel habitat; access, LWD placement, tile removal, aquifer recharge, revegetation. 56 acres habitat improved

Project Ref	Grantee	Project Name	State
705106	CDFG	El Capitan Canyon, In-Stream "Arizona-Crossing" Bridge Replacement Pro	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-MAY-04-15-MAR-06	Salmon Habitat Protection and Restoration	$370,700	$0	Central California Coastal

Project Description

Remove and replace existing concrete "Arizona" in-stream crossing with new above stream bridge. Construction tasks will include demolition of existing crossing, grading for road connections to both sides of new bridge, road ramp deconstruction on both sides of bridge, new footings for bridge, new bridge, eradication of non-native vegetation within creek corridor and replacement with native vegetation, and in-stream bolder weirs as necessary.

Project Ref	Grantee	Project Name	State
705122	CDFG	Fourth Switchback Watershed Rehabilitation Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-31-MAR-06	Salmon Habitat Protection and Restoration	$0	$509,363	California

Project Description

Preserve prime spawning and rearing habitat in the South fork of the Smith river and rock Creek by eliminating sources of road-derived sediment. The project will outslope and stabilize 10.9 miles of primary haul roads and associated spur roads within the lower-western watershed of rock Creek within the newly acquired Mill Creek property. Several of the roads requiring treatment were constructed along the inner-gorge and are failing at various points. Several large, steeply-perched landings constructed as part of past timber harvest operations will also be stabilized. Remove all fill material from 75 stream crossings associated with these roads.

Project Ref	Grantee	Project Name	State
705126	CDFG	Capistrano Bridge Fish Passage Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$250,000	$0	San Francisco Bay

Project Description

Eliminate a major barrier to fish passage and improve habitat conditions for steelhead migration. The project involves; replacement of an antiquated fish ladder; installation of a custom designed fish passage system; and riparian restoration with native species. This project will restore access to historic spawning and rearing habitat for the northern-most steelhead runs in the Santa Cruz mountain range.

Project Ref	Grantee	Project Name	State
705127	CDFG	Frenchman's Creek Fish Passage Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$130,195	San Francisco Bay

Project Description

The purpose of this proposal is to remove a culvert that is a barrier to steelhead trout in Frenchman's creek to restore winter upstream migration for adult steelhead and out migration for juvenile steelhead. This project will also preserve the road crossing by replacing the culvert with a clear span bridge with the bridge supports set outside of the ordinary high water level in the stream. The stream will be regraded with installation of eight one foot high boulder step pool weirs placed approx. 20 ft. apart to enhance fish habitat in the project reach.

Project Ref	Grantee	Project Name	State
705132	CDFG	Dutch Bill Creek Road Erosion Prevention Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	--15-OCT-05	Salmon Habitat Protection and Restoration	$513,315	$0	Northern California Coastal

Project Description

Will perform road upgrades and decommission on 11.2 miles of road within the Dutch Bill creek Watershed in order to reduce sediment delivery to Dutch Bill Creek. Sediment reduction from the road network will improve fish habitat and will benefit both steelhead trout and coho salmon.

Project Ref	Grantee	Project Name	State
705134	CDFG	Alpine Creek Fish Ladder Maintenance Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$73,750	$0	San Francisco Bay

Project Description

Repair or replace failing boulder weirs immediately downstream of an existing fish ladder on Alpine Creek at Pescadero Creek Road. The existing weirs currently create conditions that present a barrier to upstream migration during high flows due to excessive stream velocities.

Project Ref	Grantee	Project Name	State
705136	CDFG	Pescadero Creek Park Complex Sediment Reduction Project - Phase I	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$343,750	San Francisco Bay

Project Description

Implement Phase 1 of road related sediment reduction measures prescribed by PWA in the assessment completed Feb. 2003, funded by FRGP. The project will treat 5.7 miles of road, including 54 distinct sites, and will reduce future delivery of sediment into Pescadero Creek by approx. 22,500 cy. The work will be performed in 3 highly sensitive and visible areas of the Pescadeo/memorial/Sam McDonald County Park complex.

Project Ref	Grantee	Project Name	State
705139	CDFG	Mill Creek Upslope Road Sediment Reduction Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$173,259	$0	Northern California Coastal

Project Description

Upgrade 6 miles of Holmes Ranch road system. Upgrade approx. 32,000 feet of road segments to save 18,164 cubic yards of sediment from entering the river system, at a cost-effectiveness of $12.43 per cubic yard saved. These road segments have been identified by a Pacific Watershed Associates (PWA) assessment as areas of particular concern due to the amount of sediment they deliver annually, into the Mill Creek system.

Project Ref	Grantee	Project Name	State
705143	CDFG	Tarwater Creek Sediment Reduction Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$179,600	$0	San Francisco Bay

Project Description

Implement Phase 2 of road-related sediment reduction measures prescribed by Pacific Watershed Associates in the assessment completed February 2003. The work will be to treat 2.9 miles of road, including 45 distinct sites, and will reduce future delivery of sediment into Pescadero Creek by approximately 14,300 cubic yards.

Project Ref	Grantee	Project Name	State
705146	CDFG	Adaptive Watershed Improvement Projects 2003	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-15-APR-16	Salmon Habitat Protection and Restoration	$0	$953,828	California

Project Description

Provide financial support in an adaptive, responsive, needs driven process to facilitate watershed, riparian and stream habitat improvement projects which will benefit salmon, cutthroat, and steelhead streams of coastal California (outside the Central Valley drainage).

Project Ref	Grantee	Project Name	State
705151	CDFG	Frykman Gulch Migration Barrier Elimination and Erosion Control Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$77,561	Northern California Coastal

Project Description

An undersized culvert in Frykman gulch is a partial barrier to upstream salmonid migration. The culvert will be replaced with a bridge making 2800 ft. of stream accessible to coho and steelhead. Removal of the culvert and associated fill material will eliminate the possibility of the culvert failing and causing erosion of 3000 cubic yards of sediment directly into a stream occupied by coho and steelhead.

Project Ref	Grantee	Project Name	State
705156	CDFG	Young's Dam Fish Ladder Construction	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04- -	Salmon Habitat Protection and Restoration	$494,000	$0	Klamath

Project Description

Construct a sloping plate self cleaning fish ladder at Young's Dam. The project has been designed by proponent under a previously approved contract with DFG (P0010344). The fish ladder will provide up-stream migration for fall run species of anadromous fish as well as overall fish passage of resident fish and aquatic species.

Project Ref	Grantee	Project Name	State
705157	CDFG	Walker Creek Watershed Enhancement Program (2)	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$176,885	California

Project Description

To implement projects that will restore salmon and steelhead populations in the Walker Creek watershed using riparian fencing, native plant revegetation, alternative water sources, and biotechnical erosion control methods.

Project Ref	Grantee	Project Name	State
705159	CDFG	Old Creek Road Crossing replacement - Phase 2, Construction	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-MAY-04-15-MAR-06	Salmon Habitat Protection and Restoration	$0	$367,444	Ventura-San Gabriel Coastal

Project Description

Replacement of an existing fair-weather crossing with a bridge. Restoration of site.'

Project Ref	Grantee	Project Name	State
705195	CDFG	Willow Creek Project: Implementing Sedimentation Reduction on a Waters	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$131,825	$0	Northern California Coastal

Project Description

Implement erosion control and prevention plan for road and other upland surfaces on the Mendocino Redwood Company's Willow Creek/Freezeout Creek property, adjacent to Sonoma Coast State park and draining to steelhead and Coho bearing Willow, Freezeout and Dutch Bill Creeks.

Project Ref	Grantee	Project Name	State
705197	CDFG	Albion River and Marsh Creek Instream Fish Barrier Removals	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$299,592	$0	Northern California Coastal

Project Description

Replace the Mendocino County priority #1 and priority #4 fish barrier culverts, as ranked by Ross Taylor, with natural bottom pipe arch structures.

Project Ref	Grantee	Project Name	State
705198	CDFG	Ryan Creek Instream fish Barrier Removal on Ryan Creek Road #310C	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$278,839	$0	Northern California Coastal

Project Description

Replace the Mendocino County priority #2 fish barrier culvert, as ranked by Ross Taylor, with a natural bottom pipe arch structure.

Project Ref	Grantee	Project Name	State
705199	CDFG	AmeriCorps Watershed Stewards Project Member Match	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-04-30-OCT-05	Salmon Habitat Protection and Restoration	$0	$297,928	California

Project Description

Engage at least 55 AmeriCorps Watershed Stewards Project members in assessing, conserving, restoring, monitoring, and maintaining anadromous watersheds by linking high-quality scientific practices with education.

Project Ref	Grantee	Project Name	State
705203	CDFG	Johnson Creek Instream Fish Barrier Culvert Removal	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$128,066	$0	Northern California Coastal

Project Description

Replace the Mendocino County priority #5 fish barrier culvert, as ranked by Ross Taylor, with a natural pipe arch structure that meets F&g and NMFS criteria for fish passage.

Project Ref	Grantee	Project Name	State
705206	CDFG	Hollow Tree Creek Restoration Project Phase 2	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-31-MAR-04	Salmon Habitat Protection and Restoration	$400,459	$45,600	Northern California Coastal

Project Description

The implementation of upslope and instream restoration prescriptions to reduce road-related sediment and to improve instream habitat for salmonid species in the following sub-basins within the Hollow Tree Creek watershed: Bear Creek, Bond Creek, Michaels Creek, and Upper Hollow Tree interfluves.

Project Ref	Grantee	Project Name	State
705207	CDFG	Dooley Creek Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$54,969	Northern California Coastal

Project Description

This project will focus on riparian restoration, instream habitat restoration, and instream bank stabilization within a 2735' stretch of Dooley Creek. Fish habitat will be enhanced by structures that increase native riparian vegetative cover, pool habitat, and reduce valley sediment supply from eroding banks.

Project Ref	Grantee	Project Name	State
705216	CDFG	Garcia River - lower mainstem, bank stabilization/riparian revegetation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$67,695	Northern California Coastal

Project Description

Using Bioengineering restoration techniques, this project will stabilize and restore riparian vegetation to over 1,600 feet of the lower mainstem Garcia River. By the placement of over 1,000 willow clusters, and 4 willow siltation baffles on the gravel bars (sites #1 and #2), sediments and soils will be trapped and previously eroded bank sections will be rebuilt. Pool forming, fish habitat structure in the form of 3 large, "dead manned" and one boulder anchored logs will be added to site #3.

Project Ref	Grantee	Project Name	State
705220	CDFG	Bull creek Salmonid habitat restoration and Riparian Revegetation Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$109,872	Northern California Coastal

Project Description

Improve spawning and rearing habitat for salmon, steelhead, and coho by constructing 38 instream log and boulder structures and stabilizing 800 feet of stream bank with bio-engineering treatments in Bull Creek, between the Mill Creek Bridge and Albee Creek.

Project Ref	Grantee	Project Name	State
705222	CDFG	Redwood Creek/Schroeder Property Bank Stabilization Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$28,310	Northern California Coastal

Project Description

Recontour and stabilize 70 ft. of streamside road cell and provide complex instream habitat for juvenile and adult salmonids. Three boulder/log wing deflectors will be placed on the left bank of Redwood Creek. 60 linear ft. of willow mattress with toe boulders will be placed behind the wing deflectors. Uphill, the recontoured slide will be revegetated with 50 riparian and confierous seedlings. 300 ft. downstream of the slide site , 2 upstream-V log weirs with cover logs will be placed to develop pools and provide complex salmonid habitat within the reach.

Project Ref	Grantee	Project Name	State
705230	CDFG	SSCRCD Carriger Creek Habitat Barrier Modification Project #1	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$245,398	$0	San Francisco Bay

Project Description

Remove a wet crossing and a foot bridge. Construct an in-stream boulder step pool fish passageway and stabilize the existing downstream plunge pool and banks. Install a new 100-year bridge and revegetate the riparian zone.

Project Ref	Grantee	Project Name	State
705232	CDFG	Alexandre EcoDairy Farms Riparian Restoration Project at Morrison Creek	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$32,890	Northern California Coastal

Project Description

Cattle exclusionary fencing and riparian planting along 2000 feet of the lower Morrison Creek.

Project Ref	Grantee	Project Name	State
705235	CDFG	San Antonio Creek Fish Passage Restoration Project at Soule Park	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-MAY-04-15-MAR-06	Salmon Habitat Protection and Restoration	$392,557	$0	Ventura-San Gabriel Coastal

Project Description

Remove of a dry weather crossing and replace and existing bridge.

Project Ref	Grantee	Project Name	State
705242	CDFG	Seely Creek Watershed Association 2003 Implementation Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$163,711	$0	Northern California Coastal

Project Description

Implementation will minimize the potential delivery of approx. 13,000 cubic yards of sediment into the headwaters of Seely Creek. Two prioritized project units are proposed for funding addressing a total of 29 sites including pond stabilization, road decommissioning and culvert replacement.

Project Ref	Grantee	Project Name	State
705243	CDFG	Lindsay Creek Coho Overwinter Rearing Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$8,574	Northern California Coastal

Project Description

Improve overwinter growth and survival of coho juveniles through the creation and management of seasonally inundated wetland habitat. Removal of invasive vegetation and placement of fish passable water control structures. The restored wetland habitat will allow for the management of desirable wetland vegetation.

Project Ref	Grantee	Project Name	State
705244	CDFG	Salmon Creek Fish access and Habitat Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$317,148	Northern California Coastal

Project Description

Replace two existing sets of tidegates with the Salmon Creek Estuary and install an additional tidegate where one previously existed. Two of the structures will also include adjustable sluice gates that will allow for adaptive management of a muted tide cycle, improving water quality and increasing the quantity and quality of estuarine habitat. The third structure will be used to eliminate existing potential for adult and juvenile stranding during flooding and to restore degraded rearing habitat to a usable condition.

Project Ref	Grantee	Project Name	State
705248	CDFG	Redwood Creek Road Decommissioning and Erosion Prevention Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$457,942	Northern California Coastal

Project Description

Reduce impacts and restore salmonid habitat through implementation of site specific and prioritized road decommissioning, upgrading, erosion control and erosion prevention work in Coyote Creek.

Project Ref	Grantee	Project Name	State
705249	CDFG	South Fork Winchuck Watershed Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$382,213	$0	Southern Oregon Coastal

Project Description

Improve and protect salmon habitat in the South Fork Winchuck River through the removal of unneeded roads to reduce sediment, restore riparian function and provide access to over-winter habitat.

Project Ref	Grantee	Project Name	State
705250	CDFG	Yonkers Creek Fish Passage-Barrier Removal Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$242,560	$0	Northern California Coastal

Project Description

Remove an existing fish migration barrier consisting of a metal culvert that is perched oversteepened, undersized and has an excessive drop. Crossing will be replaced with a bottomless arch culvert. Removal will open up over 9,000 feet of historical salmonid spawning and rearing habitat.

Project Ref	Grantee	Project Name	State
705264	CDFG	Graham Gulch Culvert Replacement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-30-MAR-06	Salmon Habitat Protection and Restoration	$245,775	$0	Northern California Coastal

Project Description

Provide 13,400 feet of potential anadromous habitat by replacing the existing culvert that is a fish barrier with a bottomless, multiplate arch culvert to allow passage for adult and juvenile salmonids.

Project Ref	Grantee	Project Name	State
705265	CDFG	Painter Creek Culvert Replacement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$239,211	$0	Northern California Coastal

Project Description

Provide access to 1.6 miles of potential anadromous fish habitat by replacing the existing culvert that is a fish barrier with a bottomless multiplate arch culvert to allow passage for adult and juvenile salmonids.

Project Ref	Grantee	Project Name	State
705267	CDFG	Indian Creek Culvert Replacement with a Bridge	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$430,279	$0	Northern California Coastal

Project Description

Provide access to approximately 1.1 miles of potential anadromous fish habitat by replacing an existing culvert that is a fish barrier with a bridge over the natural stream bed to allow unimpeded passage for adult and juvenile salmonids.

Project Ref	Grantee	Project Name	State
705275	CDFG	Campbell Creek/Gannon Slough Channel Realignment Tidal - Riparian Re	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-31-MAR-06	Salmon Habitat Protection and Restoration	$145,629	$0	California

Project Description

Provide fish passage, channel enhancement and riparian restoration for 11,690 feet of Gannon Slough, Campbell Creek, Beith Creek, Grotzman Creek and Fickle Hill Creeks by installing a fish friendly tide gate to improve fish access to these creeks, rerouting a channelized 792 foot reach of Campbell Creek that is currently constrained by Highway 101, installing 6 structures, and fencing and revegetating the newly restored stream course with 725 native trees and shrubs.

Project Ref	Grantee	Project Name	State
705288	CDFG	Newton Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$96,071	$11,861	Klamath

Project Description

Armor 1,120 feet of eroding bank using large boulders and quarry rock. Deflectors will also be used to provide instream cover and develop scour pools. Sculpt over one mile of stream channel on the East Fork of the Scott River to correct conditions caused after the 1997 flood. 3,000 feet of riparian fencing will also be installed.

Project Ref	Grantee	Project Name	State
705293	CDFG	Salmon Creek Pool Habitat Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$10,369	Northern California Coastal

Project Description

Increase and enhance insteam habitat for coho salmon and steelhead trout. This will be accomplished by installing large woody debris in existing pool habitat, and by expanding pool habitat with the construction of boulder weirs.

Project Ref	Grantee	Project Name	State
705294	CDFG	Green Valley Creek Coho Enhancement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$6,719	California

Project Description

Construct 800 feet of riparian fencing to prevent livestock from entering the stream and install a water pump in the stream to provide water for the livestock. (Note: project's listed purpose is different than the specific site information in the proposal)

Project Ref	Grantee	Project Name	State
705295	CDFG	Hulbert Creek Pool Enhancement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-04-31-OCT-04	Salmon Habitat Protection and Restoration	$0	$9,037	Northern California Coastal

Project Description

Increase and enhance instream habitat for coho salmon and steelhead trout by installing large woody debris in existing pool habitat, and by expanding pool habitat with the construction of boulder weirs.

Project Ref	Grantee	Project Name	State
705296	CDFG	Smoky and Prospect Creek Road Decommissioning Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-31-MAR-06	Salmon Habitat Protection and Restoration	$0	$43,690	Northern California Coastal

Project Description

Implement road decommissioning activities on 3 road totaling 3.6 miles located on U.S. Forest Service lands in the Smoky and Prospect Creek watersheds as recommended by PWA road inventory, watershed analysis, and environmental assessment.

Project Ref	Grantee	Project Name	State
705300	CDFG	Lindsay Creek at Burnt Stump Lane Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$26,024	Northern California Coastal

Project Description

Remove shotgun culvert and replace with a manufactured bridge on Lindsay Creek at Burnt Stump Lane.

Project Ref	Grantee	Project Name	State
705303	CDFG	Rex's Wing Dam and Enhancement and Repair Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-31-MAR-06	Salmon Habitat Protection and Restoration	$0	$24,284	Northern California Coastal

Project Description

Enhance and repair two wing dam structures at Mattole River mile 2.79.

Project Ref	Grantee	Project Name	State
705309	CDFG	Leggett Creek Road and Pond Decommissioning Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$43,891	Northern California Coastal

Project Description

Excavate 5105 yards of unstable material to decommission and stabilize the road and an associated pond. Three crossings will be constructed and the drainage will be returned to its natural state. Seven thousand trees will be planted on the project site and adjacent areas.

Project Ref	Grantee	Project Name	State
705315	CDFG	Hayworth Creek and N. Fk. Noyo River Large Wood Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-04-31-OCT-04	Salmon Habitat Protection and Restoration	$0	$30,422	Northern California Coastal

Project Description

55 pieces of large woody debris will be added Hayworth Creek and the NF Noyo River in the form of 35 instream habitat improvement structures, increasing the amount of complex cover and improving the quality of rearing habitat for salmonids.

Project Ref	Grantee	Project Name	State
705317	CDFG	Salmon Creek Upslope Sediment Reduction Project/HU2004	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$21,450	Northern California Coastal

Project Description

Improve salmonid spawning and rearing habitat by lowering sediment delivery from upslope sources in the Salmon Creek Watershed.

Project Ref	Grantee	Project Name	State
705322	CDFG	Lower Terwer Creek Riparian Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-31-MAR-06	Salmon Habitat Protection and Restoration	$39,671	$0	Klamath

Project Description

Stabilize 1,600 feet of highly erosive streambank along lower Terwer Creek using willow stabilization techniques and by planting native conifers and cottonwoods on stream terraces. Restore long-term habitat complexity and stream channel stability on flood prone surfaces using willow planting techniques.

Project Ref	Grantee	Project Name	State
705326	CDFG	Indian Creek Sediment Control Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$32,106	Klamath

Project Description

Restore salmon and steelhead spawning and rearing habitat in the Indian Creek watershed.

Project Ref	Grantee	Project Name	State
705329	CDFG	Steelhead Passage Facilities at the Robles Diversion Dam	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-MAY-04-15-MAR-06	Salmon Habitat Protection and Restoration	$1,000,000	$0	Ventura-San Gabriel Coastal

Project Description

Modify existing facilities at the Robles Diversion Dam to provide steelhead passage to approximately 6.3 miles of historical habitat above the Dam and prevent entrainment of juvenile steelhead into the diversion canal.

Project Ref	Grantee	Project Name	State
705332	CDFG	Upper Mattole Large Wood and Boulder Placement, 2004	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$36,381	$0	Northern California Coastal

Project Description

Install 14 large wood and boulder structures for complex cover and scour in the upper Mattole Watershed.

Project Ref	Grantee	Project Name	State
705335	CDFG	Soldier Creek Migration Barrier Removal Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-15-OCT-04	Salmon Habitat Protection and Restoration	$0	$305,313	Klamath

Project Description

The project will remove two culverts on Soldier Creek, which currently serve as migration barriers to both adult and juvenile salmonids, restoring approximtely 2.1 miles of anadromous habitat for coho salmon and steelhead trout. The culverts will be replaced with natural stream bottom arches adequate to convey the 100-year storm event and associated debris.

Project Ref	Grantee	Project Name	State
705336	CDFG	Lost River Creek Road Decommissioning for Salmonid Recovery	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-04-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$38,907	Northern California Coastal

Project Description

Decommission roads on a 270-acre parcel draining into Lost River Creek and the Mattole river, to improve salmonid habitat through sediment reduction and stream channel/riparian restoration.

Project Ref	Grantee	Project Name	State
705340	CDFG	Old Cazadero Road Erosion Control Implementation Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$124,082	$0	Central California Coastal

Project Description

Implement erosion control remedies to Old Cazadero Road as recommended in a road assessment "Old Cazadero Road Erosion Inventory" to be prepared for the Department of Fish and Game by Pacific Watershed Associates.

Project Ref	Grantee	Project Name	State
705396	CDFG	McBride Property - Southmayd Hollister Road, Bear River, Upslope Erosio	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$75,605	Northern California Coastal

Project Description

Reduce baseline sediment introduction into the Bear River by replacing undersized culverts, adding critical dips, constructing rocked rolling dips, and improving road drainage patterns.

Project Ref	Grantee	Project Name	State
705397	CDFG	Janes Creek Dam Removal Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$77,442	$0	Northern California Coastal

Project Description

Remove a 4-foot high dam that was historically used for water impoundment, which will eliminate a total barrier to migrating salmonids. To protect upstream wetland habitat from channel incision, a roughened channel will be constructed as grade-control over a 100-foot reach of channel. For continued access once the dam is removed, a 40-foot long prefabricated bridge will be installed.

Project Ref	Grantee	Project Name	State
705403	CDFG	Redwood Creek Watershed Sediment Control on Marin Municipal Water D	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$84,519	$0	San Francisco Bay

Project Description

Erosion control treatment at ten road-related sites designated as being of the highest priority for restoration in Redwood Creek watershed by Pacific Watershed Associates (PWA). Treatments will follow prescriptions identified in the 2002 PWA watershed assessment. Goal is to improve streambed quality in Redwood Creek and its tributaries for the benefit of native coho salmon and steelhead trout, by reducing the load of fine sediments entering the creek through erosion.

Project Ref	Grantee	Project Name	State
705410	CDFG	San Geronimo Creek Bank Stabilization Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$37,391	$0	San Francisco Bay

Project Description

This is an Instream Bank Stabilization (HS) project at two sites along San Geronimo Creek, on property owned by MMWD. The goal of this project is to reduce fine sediment loading and improve streambed conditions for the benefit of coho salmon and steelhead trout. The project consists of stabilizations at two of the ten highest priority sites for sediment reduction, as identified in the recently completed sediment source site assessment completed by Stetson Engineers.

Project Ref	Grantee	Project Name	State
705412	CDFG	Quarry Bridge Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$46,004	$0	Northern California Coastal

Project Description

The Quarry Bridge project consists of the removal of an undersized culvert covered with logs that are rotting and covered with dirt fill. The sediment build up from the current structure extends 500 feet upstream of the culvert. The culvert is undersized for the 100-year runoff event and prone to failure and is a barrier to steelhead migration at most flows. The culvert and excess sediment will be removed and replaced with a 45 foot modular bridge.

Project Ref	Grantee	Project Name	State
705414	CDFG	Gualala River Wood in the Stream Project Phase IV	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$23,782	Northern California Coastal

Project Description

Introduce 50 thousand feet (MBF) of large woody debris (LWD) at 10 sites within the Gualala River watershed north of the Wheatfield Fork to create pools, cover habitat for coho salmon and steelhead, by installing un-anchored non-merchantable logs into the streams.

Project Ref	Grantee	Project Name	State
705418	CDFG	Lagunitas Creek Sediment Control - Peters Dam Area	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$91,755	$0	San Francisco Bay

Project Description

This is a road-related sediment reduction project adjacent to the mainstem of Lagunitas Creek, on property owned by MMWD. The goal of this project is to reduce fine sediment loading and improve streambed conditions for the benefit of coho salmon and steelhead trout. The project consists of repairs of 27 sites for sediment reduction as identified in a comprehensive sediment source inventory completed by Pacific Watershed Associates in 2003.

Project Ref	Grantee	Project Name	State
705421	CDFG	El Capitan	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-MAY-04-15-MAR-06	Salmon Habitat Protection and Restoration	$463,134	$0	Central California Coastal

Project Description

The concrete culvert that conveys El Capitan Creek beneath Hwy 101 in Santa Barbara County is a total barrier to steelhead migration. The upstream-most 63 ft. of the culvert is completely impassable to any steelhead during any flow conditions due to excessive stream velocities. The proposed project would construct pools and install baffles in the culvert to provide for steelhead passage and repair the culvert floor.

Project Ref	Grantee	Project Name	State
706395	CDFG	Bridge Creek Fish Passage Improvement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$0	$46,172	Northern California Coastal

Project Description

Improve fish passage at an identified barrier (Bridge Creek at Masonite Road) to adult and juvenile steelhead trout by replacing a culvert with a permanent bridge and installing two rock weirs. The project will make available approximately 1.5 miles of summer rearing and spawning habitat for steelhead trout and control approximately 4,000 cubic yards of potential sediment delivery to Bridge Creek.

Project Ref	Grantee	Project Name	State
704710	CDFG	Adaptive Watershed Improvement Team Projects	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$719,998	$0	California

Project Description

Provide financial support in an adaptive, responsive, needs driven process to facilitate watershed, riparian and stream habitat improvement projects which will benefit coho salmon streams throughout their current range in California.

Project Ref	Grantee	Project Name	State
704711	CDFG	Mark West Creek Instream Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$61,157	Northern California Coastal

Project Description

Install a deer and cattle exclusionary fence encompassing approx. 3,700 feet. Other objectives will include planting native vegetation to the area around the riparian zone to create greater canopy and to also add instream structures such as cover logs, J-hooks, baffles, and boulder wing deflectors to create more suitable habitat for the native species of salmonids in Mark West Creek.

Project Ref	Grantee	Project Name	State
704712	CDFG	Alder Creek Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$31,023	Northern California Coastal

Project Description

Add cover to the stream using various bioengineering methods which will create lower water temperatures for salmonid species and stabilize banks on Alder Creek to stop sediment from entering stream by constructing structures such as J-hooks, boulder weirs, and boulder wing deflectors.

Project Ref	Grantee	Project Name	State
704713	CDFG	Feliz Creek Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$20,580	Northern California Coastal

Project Description

To enhance a 1,300 foot section of Feliz Creek for salmonid species. The instream structures and native vegetation will enhance the stream and riparian corridor along Feliz Creek by recruiting sediment for spawning, protecting unstable streambanks, and increasing canopy.

Project Ref	Grantee	Project Name	State
704717	CDFG	Apanolio Canyon Steelhead Passage Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$250,000	San Francisco Bay

Project Description

Restore steelhead migration passage, maintaining water supply and private property access through removal of a perched box culvert, replacement with a three-sided bridge, and addition of boulder step pools to re-establish stream grade, and riparian revegetation. The project will restore fish passage to an estimated 4-mile plus length of historic steelhead habitat in Apanolio Creek.

Project Ref	Grantee	Project Name	State
704719	CDFG	Grider Creek Road Sediment Reduction Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	27-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$558,016	$0	Klamath

Project Description

To reduce and minimize future chronic and episodic delivery of road-related sediment to anadromous fish habitat from 22.19 miles of forest road within the Grider Creek watershed.

Project Ref	Grantee	Project Name	State
704720	CDFG	Lower South Fork Road Sediment Reduction Project - Phase I	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	27-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$698,384	Klamath

Project Description

To reduce and minimize future chronic and episodic delivery of road-related sediment to anadromous fish habitat from 30.56 miles of Forest road within the Lower South Fork Salmon River. In Phase I, three roads totaling 19.35 miles will be stormproofed, 51 crossings and landslides will be treated, and 31 roads with 38 crossings totaling 11.21 miles will be decommissioned.

Project Ref	Grantee	Project Name	State
704721	CDFG	Lower South Fork Road Sediment Reduction Project - Phase 2	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	27-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$492,376	$0	Klamath

Project Description

To reduce and minimize future chronic and episodic delivery of road-related sediment to anadromous fish habitat from 16.70 miles of forest road within the Lower South Fork Salmon River.

Project Ref	Grantee	Project Name	State
704723	CDFG	M/M/T Fish Passage Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-03-15-FEB-05	Salmon Habitat Protection and Restoration	$5,855	$0	Northern California Coastal

Project Description

Make the fish bearing culverts on the property more fish friendly by replacing old style culverts with larger capacity culverts set at channel grade in the primary effort to facilitate fish passage.

Project Ref	Grantee	Project Name	State
704726	CDFG	Albee and Harper Creek Watershed Rehabilitation Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$286,275	$0	Northern California Coastal

Project Description

To protect and restore salmonid habitat by reducing road related sediment inputs from gullying, road crossing failure, and mass wasting (debris flows, etc) into Albee and Harper Creeks. The project proposes to re-engineer two park administrative roads and decommission abandoned logging roads. Stream crossings will also be removed. All work sites were inventoried in the Albee and Harper Creek Watershed Road Assessment conducted in April 2001.

Project Ref	Grantee	Project Name	State
704728	CDFG	Alder Springs Ranch Fencing Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-22-APR-04	Salmon Habitat Protection and Restoration	$0	$40,800	Northern California Coastal

Project Description

Improve juvenile Chinook, Coho and Steelhead habitat by installing cattle fencing on approximately 1.1 miles of stream on Mud Springs Creek to allow riparian vegetation on the stream banks to recover.

Project Ref	Grantee	Project Name	State
704729	CDFG	Alder Springs Ranch Stream Bank Stabilization	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$25,450	Northern California Coastal

Project Description

This project will improve juvenile Chinook, Coho and steelhead habitat by stabilizing eroding stream banks on eight project sites in two areas of Big Rock Creek. The combined length of these areas is approximately 4,700 feet.

Project Ref	Grantee	Project Name	State
704730	CDFG	Porter Creek at Sweetwater Springs Road Fish Passage Barrier Removal	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$266,250	Northern California Coastal

Project Description

Restore salmon and steelhead populations in the Porter Creek watershed by removing and replacing two culverts that currently obstruct fish passage.

Project Ref	Grantee	Project Name	State
704736	CDFG	Froom Creek Road Decommissioning	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Habitat Protection and Restoration	$75,000	$0	Central California Coastal

Project Description

To grade and re-vegetate 0.6 miles of disused jeep road alongside Froom Creek, thereby reducing the sediment load washed from the road in to the creek.

Project Ref	Grantee	Project Name	State
704739	CDFG	AmeriCorps Watershed Stewards Project - Member Match	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-01-31-DEC-04	Salmon Habitat Protection and Restoration	$0	$832,340	Klamath

Project Description

To engage at least 53 AmeriCorps Watershed Stewards Project members in assessing, conserving, restoring, monitoring, and maintaining anadromous watersheds through education and high quality scientific practices. Provide mandatory non-federal match for Watershed Stewards Project members' living allowance, workers' compensation, and health care; office space, member per diem, training, field safety equipment, and mileage reimbursement.

Project Ref	Grantee	Project Name	State
704744	CDFG	Bates Canyon Creek Fish Passage Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$123,050	San Francisco Bay

Project Description

Replace the Bates Canyon Culvert that is a total barrier to fish passage in the San Geronimo Valley watershed. Replacing this aging, undersized structure will provide salmonids with access to an additional 1000 feet of high quality spawning and rearing habitat.

Project Ref	Grantee	Project Name	State
704747	CDFG	York Creek Diversion Modification Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$138,500	San Francisco Bay

Project Description

Improve adult steelhead passage at the York Creek Diversion Structure by cutting the diversion structure down to stream grade, filling the incised creek channel below the diversion, and constructing boulder weirs that will provide for adult passage; eliminate entrainment of juvenile steelhead into a municipal diversion while maintaining diversion operatility by replacing an unscreened diversion with an infilitration gallery below the streambed and a sump to control the rate of diversion.

Project Ref	Grantee	Project Name	State
704767	CDFG	Howe Creek 03	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$139,214	Northern California Coastal

Project Description

Restore riparian and instream habitat along 2,700 ft. of Howe Creek with the placement of 28 large live redwood stumps, stabilize and protect 290 feet of unstable streambank along Howe Creek with boulder armor, placement of 4,400 feet of exclusion fencing, plant 4,000 conifer seedlings and 3,000 cottonwood springs, decommission 1 perennial stream crossing and harden 4 others, and harden 700 feet of steep slope livestock trail in the riparian zone to reduce sedimentation from livestock use.

Project Ref	Grantee	Project Name	State
704768	CDFG	South Fork Cottaneva Creek Fish Passage Improvement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-09-OCT-03	Salmon Habitat Protection and Restoration	$0	$22,578	Northern California Coastal

Project Description

This project will improve fish passage at an identified barrier to adult and juvenile coho salmon and steelhead trout. By replacing a perched culvert with a railcar bridge, the project will make available approximately 1.3 miles of summer rearing and spawning habitat for coho salmon and steelhead trout and an additional 1.2 miles (total of 2.5 miles) of rearing habitat for steelhead trout.

Project Ref	Grantee	Project Name	State
704780	CDFG	Howe Confluence Salmon Passage Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-20-OCT-03	Salmon Habitat Protection and Restoration	$0	$47,539	Northern California Coastal

Project Description

Restore fall salmonids access to Howe Creek: by placement of a vortex boulder weir to enable the force of the Eel River to scour its' confluence with Howe Creek to maintain a well defined deep channel to allow fall salmon passage over the Howe Delta. Also, increase pool volume and structural complexity with the placement of 4 complex boulder and log structures.

Project Ref	Grantee	Project Name	State
704782	CDFG	Crystal Creek 2003	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$61,237	Northern California Coastal

Project Description

Restore riparian habitat along a 1,770 foot reach of Crystal Creek by the placement of an off-stream watering trough and delivery systems, and construction of 3,118 feet of grazing exclusion fencing; to create 5 acres of riparian area excluded from gazing, and planted with 5 native tree species totaling 2,300 seedlings. Also, eliminate summer water quality degradation and sediment delivery by rectifying 6 riparian zone sites causing degraded summer water quality, with a potential sediment delivery of 120 yards over 5 years.

Project Ref	Grantee	Project Name	State
704800	CDFG	North Fork Mattole River Bank Stabilization Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-01-MAR-04	Salmon Habitat Protection and Restoration	$0	$46,806	Northern California Coastal

Project Description

Improve existing salmonid habitat and water quality in the North Fork Mattole River through the creation of scour pools and the prevention of continues bank erosion by the creation of a series of stream channel turning structures and the planting of willow mattress bank protection along a 1,500 foot section of the NF Mattole River.

Project Ref	Grantee	Project Name	State
704802	CDFG	Fort Seward Ranch Property: Watershed Improvement Project #1	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$665,941	$0	Northern California Coastal

Project Description

Reduce impacts to and protect salmonid habitat from sediment impacts through the implementation of site specific and prioritized erosion control and erosion prevention measures in Main stem Eel River.

Project Ref	Grantee	Project Name	State
704806	CDFG	Wood Creek Fish Habitat Structure and Barrier Modification Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$45,774	Northern California Coastal

Project Description

Construct 18 complex boulder/log pool habitat structures, protect 150 feet of stream bank and modify one logjam.

Project Ref	Grantee	Project Name	State
704808	CDFG	Tom Long Creek Tributary Restoration Project, Phase 2	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-26-FEB-04	Salmon Habitat Protection and Restoration	$0	$24,989	Northern California Coastal

Project Description

The objective of this project is to improve spawning and rearing habitat for steelhead trout and to improve water quality and spawning habitat for chinook salmon. This will be accomplished by reducing a major source of sedimentation along a 1,200-foot section of a main tributary to Tom Long Creek. The project will include: resloping 250' of streambank and installing willow mattresses, installing eight willow baffles, placing 15 yards of boulder/log bank armor; installing six complex instream scour/cover structures; and revegetating the project area with 2,000 Douglas fir and alder seedlings.

Project Ref	Grantee	Project Name	State
704815	CDFG	Chase Creek Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-01-JUL-04	Salmon Habitat Protection and Restoration	$0	$90,476	San Francisco Bay

Project Description

Re-vegetate and stabilize the highly friable alluvium banks of Chase creek which will protect many climax riparian trees in danger of falling into the active channel. Develop a more complex instream habitat and concentrate the low flows while providing structure and critical habitat during heavy events.

Project Ref	Grantee	Project Name	State
704816	CDFG	Red Cap Creek Road-Stream Crossing Stormproofing	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	02-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$99,935	$0	Klamath

Project Description

Reduce diversion potential and save approximately 65,000 cubic yards of sediment by constructing rolling dips, installing ditch relief culverts and improving culvert capacity at intermittent and perennial stream crossings on primary forest system access roads.

Project Ref	Grantee	Project Name	State
704817	CDFG	Ah Pah Creek Fish Passage Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	26-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$47,770	$0	Klamath

Project Description

The CCC, in cooperation with DFG and Simpson Timber Company will improve fish passage and enhance spawning and rearing habitat for juvenile and adult salmonids. These enhancements will be accomplished by lowering and reconstructing two Hewitt Ramp fish passage structures, removing one Hewitt Ramp structure and constructing a one boulder weir.

Project Ref	Grantee	Project Name	State
704818	CDFG	Bull Creek Riparian Revegetation and Salmonid Habitat Restoration Projec	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$61,900	Northern California Coastal

Project Description

Improve spawning and rearing habitat for salmon and steelhead by stabilizing streambanks with bio-engineering treatments and extensive revegetation in Bull Creek, between Cuneo and Burns Creeks.

Project Ref	Grantee	Project Name	State
704820	CDFG	Little Larabee Creek Livestock Exclusion Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$19,993	Northern California Coastal

Project Description

Improve salmonid habitat by fencing off a 2-mile section of the Little Larabee Creek to cattle access near Bridgeville, CA.

Project Ref	Grantee	Project Name	State
704823	CDFG	Trinity River Bridge Replacements	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	26-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$500,000	Klamath

Project Description

Replace the Treadwell Bridge on the Trinity River that prevents implementation of flow regime prescribed for fishery restoration.

Project Ref	Grantee	Project Name	State
704825	CDFG	Dago Creek Barrier Modification Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$12,599	Northern California Coastal

Project Description

Modify 12 log debris accumulations to facilitate the migration of salmonids, to allow impounded bedload and large woody debris to distribute to other locations, and to correct streamflow diversions that are causing major bank erosion.

Project Ref	Grantee	Project Name	State
704827	CDFG	Tyrone Road Bridge at Tyrone Gulch	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$147,070	Northern California Coastal

Project Description

Improve fish passage in Tyrone Gulch a tributary to Dutch Bill Creek, by removing twin culverts and installing a 22' wide by 30' long, pre-cast steel beam-concrete deck bridge supported on driven pilings. Stream bank erosion control and re-vegetation will be installed to reduce construction impacts.

Project Ref	Grantee	Project Name	State
704831	CDFG	Moon Creek Barrier Modification and Habitat Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	26-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$40,600	Klamath

Project Description

Improve fish passage and instream habitat in Moon Creek by modifying five log barriers and constructing 10 log structures. Barrier modifications will open up more than 2 miles of spawning and rearing habitat for salmonids. Five simple and five complex log structures will enhance pool quality and depth, provide cover for juveniles and adult salmonids, help entrain woody debris, and sort spawning gravels. Instream habitat restoration will take place on 2,000 feet of Moon Creek.

Project Ref	Grantee	Project Name	State
704832	CDFG	Pole Mountain Creek Large Woody Debris	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-19-DEC-03	Salmon Habitat Protection and Restoration	$0	$10,402	Northern California Coastal

Project Description

To enhance rearing habitat for Steelhead Trout in Pole Mountain Creek with the placement of LWD and the construction of rock weirs to create pool habitat.

Project Ref	Grantee	Project Name	State
704833	CDFG	Green Valley Riparian 2002	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$8,800	Northern California Coastal

Project Description

Enhance coho salmon and steelhead trout populations by increasing riparian canopy in Green Valley Creek with the planting of riparian samplings native to the watershed.

Project Ref	Grantee	Project Name	State
704834	CDFG	Santa Rosa Creek Watershed Erosion Control and Prevention Implementa	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$23,896	$0	Northern California Coastal

Project Description

Implement erosion control and prevention plan for road and other upland surfaces on the Wilson road, adjacent to Hood Mountain Regional Park and the McCormick Addition to Sugarloaf Ridge State Park, and draining to steelhead-bearing headwaters of Santa Rosa Creek.

Project Ref	Grantee	Project Name	State
704835	CDFG	Pudding Creek Watershed Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Habitat Protection and Restoration	$96,532	$0	Northern California Coastal

Project Description

The implementation of upslope restoration prescriptions to reduce road-related sediment in the Pudding Creek watershed.

Project Ref	Grantee	Project Name	State
704838	CDFG	Salmon Creek Watershed Restoration Project HS-2003 Streambank Stabil	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-24-FEB-04	Salmon Habitat Protection and Restoration	$0	$157,300	Northern California Coastal

Project Description

Will improve salmonid spawning and rearing habitat by stabilizing approx. 4,915 linear feet of stream banks at 32 sites in the Salmon Creek Watershed that are currently delivering sediment into Class I or II streams and have a potential, if not treated, to continue sediment delivery over time.

Project Ref	Grantee	Project Name	State
704839	CDFG	Salmon Creek Watershed Restoration Project HU-2003; Upslope Restorati	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$88,935	$0	Northern California Coastal

Project Description

Improve salmonid spawning and rearing habitat by lowering sediment delivery potential from upslope sources in the Salmon Creek watershed.

Project Ref	Grantee	Project Name	State
704841	CDFG	Salmon Creek Watershed Restoration Project; Riparian Restoration/Sedim	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$80,300	Northern California Coastal

Project Description

Establish both conifer and hardwood riparian cover, and long-term woody debris, by 35,000 seedlings and cuttings along all Class I reaches identified in the Salmon Creek Riparian Assessment as being under stocked. Re-establish a stable flood plain at 2 sites.

Project Ref	Grantee	Project Name	State
704845	CDFG	East Branch South Fork Eel/Reed Mountain Watershed Restoration Imple	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$394,137	$0	Northern California Coastal

Project Description

Reduce impacts to and protect salmonid habitat from sediment impacts through implementation of site specific and prioritized erosion control and erosion prevention measures in the South Fork Eel River watershed.

Project Ref	Grantee	Project Name	State
704846	CDFG	Old Lompico Pool Fish Passage Improvement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$20,126	Central California Coastal

Project Description

Improve steelhead trout production and survival by removing a substantial impediment to migration.

Project Ref	Grantee	Project Name	State
704847	CDFG	Hollow Tree Creek Watershed Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$633,586	$0	Northern California Coastal

Project Description

The implementation of upslope and instream restoration prescriptions to reduce road-related sediment and to improve instream habitat in seven sub-basins within the Hollow Tree Creek watershed.

Project Ref	Grantee	Project Name	State
704851	CDFG	Redwood Creek Watershed Sediment Control on Mt. Tamalpais State Par	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	--31-MAR-05	Salmon Habitat Protection and Restoration	$100,730	$0	San Francisco Bay

Project Description

Reduce contribution of sediment from specific road sites within Mt. Tamalpais State Park into the Redwood Creek Watershed.

Project Ref	Grantee	Project Name	State
704855	CDFG	Bartleson Property, Bear River, Upslope Erosion Control Project #1	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$28,209	$0	Northern California Coastal

Project Description

Reduce sedimentation flowing into the Bear River by replacing under sized culverts, adding critical dips and improving road drainage patterns.

Project Ref	Grantee	Project Name	State
704860	CDFG	Rocky Gulch Salmonid Access and Habitat Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$208,100	Northern California Coastal

Project Description

Restore coho salmon and steelhead production from Rocky Gulch by 1)replacing the tide gate with a structure that allows fish passage, 2) restoring an estuary above the tide gate to provide high quality salmonid rearing habitat, 3) rehabilitating the channel traversing the pasture to assure suitable fish passage, a riparian corridor, and better drainage of tributaries to Rocky Gulch, 4) set back dikes to restore a 100 ft. steam corridor.

Project Ref	Grantee	Project Name	State
704866	CDFG	Lower Hunter Creek Stream Corridor Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	20-APR-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$52,826	Klamath

Project Description

Improve fish habitat along 6,850 feet of Hunter Creek by installing 8 complex instream structures to provide cover and complexity. 1000 conifers will be planted in the riparian area for future large woody debris. 6000 feet of fencing will also be repaired and replace to restrict cattle access to the riparian zone. A large stream bank failure approximately 100' long will be restored utilizing bioengineering.

Project Ref	Grantee	Project Name	State
704871	CDFG	Panther Creek Barrier Modification and Habitat Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	18-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$49,521	Northern California Coastal

Project Description

Improve access to upper reaches of Panther Creek by modifying four log debris accumulations. Debris modifications will open up more than 2 miles of spawning and rearing habitat for salmonids.

Project Ref	Grantee	Project Name	State
704875	CDFG	Shasta River Riparian Tree Planting on Kuck Ranch	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	26-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$27,585	Klamath

Project Description

Restore a 2600 foot section of the Shasta River by planting approx. 1500 rooted riparian trees and several thousand ships on the Kuck Bros. Ranch.

Project Ref	Grantee	Project Name	State
704887	CDFG	Bear River McBride Slide Stabilization	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-07	Salmon Habitat Protection and Restoration	$0	$37,962	Northern California Coastal

Project Description

Reduce the amount of controllable fine sediment introduced to the Bear River by stabilizing 260' of riverbank.

Project Ref	Grantee	Project Name	State
704893	CDFG	Campbell Creek/Gannon Slough South - Riparian Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	26-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$27,820	Northern California Coastal

Project Description

Improve fish habitat on a 2,537 foot reach of Gannon Slough/Campbell Creek by fencing out livestock and revegetaing the riparian area with 2700 native trees and shrubs.

Project Ref	Grantee	Project Name	State
704894	CDFG	Miller Creek Sediment Reduction and Monitoring Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$68,468	$0	Northern California Coastal

Project Description

Significantly lower the turbidity of Miller Creek by disconnecting the road drainage network from the stream. Turbidity will be monitored pre and post project.

Project Ref	Grantee	Project Name	State
704903	CDFG	Santa Paula Creek Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$19,579	Ventura-San Gabriel Coastal

Project Description

Restore native So. CA Steelhead habitat 100' upstream from Harvey Dam Fish Ladder to enable increased Steelhead survival in upper reaches of Santa Paula Creek. Remove permanent pump sump and replace with removable, seasonal, fish-friendly (screened) irrigation pump. Also, restore and stabilize 100' section of stream bank with native vegetation and rock.

Project Ref	Grantee	Project Name	State
704904	CDFG	Napa River at Napa Valley Wine Company River Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$78,621	San Francisco Bay

Project Description

Conserve mature riparian trees along the Napa River. Reestablish vegetation to rebuild a mature riparian upper bank canopy. Increase plant diversity using native forbs, shrubs, and trees. Stabilize eroding streambanks along the channel. Restore instream and riparian fisheries habitat.

Project Ref	Grantee	Project Name	State
704905	CDFG	Lower North Fork Mad River Riparian Corridor Enhancement Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	20-APR-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$25,516	Northern California Coastal

Project Description

Enhance the riparian corridor by increasing the percentage of conifers throughout a total of 2 miles/20 acres in the lower reaches of the North Fork of the Mad River, as well as establish a demonstration drip irrigation watering system within the lower reaches of the project area.

Project Ref	Grantee	Project Name	State
704912	CDFG	Deadwood Road Sediment Reduction Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	18-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$25,090	$0	Klamath

Project Description

Implement erosion control and sediment delivery reduction at 15 sites on Deadwood Road. The project will save an estimated 8,040 cubic yards of sediment from entering Deadwood Creek over 10 years.

Project Ref	Grantee	Project Name	State
704914	CDFG	Deadwood Creek Migration Barrier Modification	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	27-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$65,970	Klamath

Project Description

Modify the existing stream crossing structure on Deadwood Road at Deadwood Creek by installing baffles every ten feet within the existing culvert, installing two back water weirs at the culvert outlet, and installing an overflow pipe above the existing culvert. The project will resore access to approximately 7 miles of anadromous salmonid habitat above the construction site in Deadwood Creek.

Project Ref	Grantee	Project Name	State
704915	CDFG	Lower Wilson Creek Riparian Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	26-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$18,060	Northern California Coastal

Project Description

Plant 6,000 deciduous and coniferous trees along one mile of Wilson Creek.

Project Ref	Grantee	Project Name	State
704922	CDFG	Moffet Creek Road Abandonment and Decommission	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	07-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$32,029	$0	Klamath

Project Description

Decommission 9 miles of existing timber harvest access roads, including 30 highly erosive crossings.

Project Ref	Grantee	Project Name	State
704925	CDFG	Eldridge Creek Watershed Restoration Implementation Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-31-MAR-05	Salmon Habitat Protection and Restoration	$310,300	$0	Northern California Coastal

Project Description

Road upgrading, decommissioning, erosion control and erosion prevention work in the Eldridge Creek Watershed.

Project Ref	Grantee	Project Name	State
704926	CDFG	Creekside Farm Riparian Habitat and Floodplain Acquisition Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-14-MAY-04	Salmon Habitat Protection and Restoration	$0	$100,000	Central California Coastal

Project Description

Perpetually conserve .9 miles of San Luis Obispo Creek and 80 acres of riparian floodplain habitat through fee purchase.

Project Ref	Grantee	Project Name	State
704932	CDFG	Streeter/Ten Mile Creeks Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-12-MAR-04	Salmon Habitat Protection and Restoration	$0	$59,261	Northern California Coastal

Project Description

Revegitate and stabilize unstable streambank areas, increase riparian habitat through tree planting and in-stream habitat with log and boulder structures

Project Ref	Grantee	Project Name	State
704933	CDFG	Salmon Creek Watershed Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	28-APR-03-31-MAR-05	Salmon Habitat Protection and Restoration	$260,140	$0	Northern California Coastal

Project Description

Implementation of erosion control, erosion prevention and prioritized road decommissioning on 3.91 miles of road.

Project Ref	Grantee	Project Name	State
704934	CDFG	Redwood Creek Watershed Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-APR-03-31-MAR-05	Salmon Habitat Protection and Restoration	$734,646	$0	Northern California Coastal

Project Description

Protect and restore salmonid habitat through implementation of prioritized road decommissioning, erosion control and erosion prevention in the Redwood Creek Watershed.

Project Ref	Grantee	Project Name	State
704941	CDFG	Road 630 Decommissioning	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-31-MAR-05	Salmon Habitat Protection and Restoration	$105,025	$0	Northern California Coastal

Project Description

Decommission 3.5 miles of inner gorge road in the Caspar Watershed. This work will include site specific treatments for stream crossing removals, treating existing and potential cut and fill slope failures, and reducing road surface erosion.

Project Ref	Grantee	Project Name	State
704943	CDFG	Gazos Creek Large Gully Erosion Control Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-23-JUN-04	Salmon Habitat Protection and Restoration	$43,647	$0	Central California Coastal

Project Description

Divert water out of a large gully system into stable, well vegetated areas where it can dissipate without causing erosion.

Project Ref	Grantee	Project Name	State
704945	CDFG	Ward Creek, Russian Gulch and Gualala River Watershed Improvement P	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Habitat Protection and Restoration	$747,356	$0	Northern California Coastal

Project Description

Site specific and prioritized road storm-proofing, erosion control and erosion prevention.

Project Ref	Grantee	Project Name	State
704949	CDFG	Heath Canyon Creek Fish Barrier Removal and Stream Restoration Projec	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$157,823	San Francisco Bay

Project Description

Removal of four fish barrier structures, installation of two railway flatcar bridges, construction of eight rock vortex weir structures and 120 feet of streambank stabilization and upper bank revegetation

Project Ref	Grantee	Project Name	State
704951	CDFG	Walters Creek Riparian Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$56,400	Central California Coastal

Project Description

Installation of 7,600 linear feet of riparian exclusionary fencing, construction of alternative water sources for the cattle, planting of approximately 8,000 sycamores and willow cuttings, installation of willow brush mattresses on six eroded stream banks and a temporary drip irrigation system to assist new plant establishment

Project Ref	Grantee	Project Name	State
704952	CDFG	Quiota Creek Fish Passage Enhancement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$336,793	Central California Coastal

Project Description

Replacement of each of nine Arizona road crossings with rock-riffle fishways, in some cases in combination with a boulder weir.

Project Ref	Grantee	Project Name	State
704953	CDFG	Salsipuedes Creek at Jalama Road Fish Passage Enhancement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$57,341	Central California Coastal

Project Description

Provide low flow access to 23 miles of habitat by construction of three step pools and a one foot-high concrete flow diversion wall along the top of the existing grade pool structure at the Jalama Road crossing.

Project Ref	Grantee	Project Name	State
704954	CDFG	Cottonwood Creek Diversion Improvement Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	27-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$42,159	Klamath

Project Description

Replace two fish barrier diversions structures with fish friendly diversion structures and self-cleaning fish screens that will allow year round passage.

Project Ref	Grantee	Project Name	State
704955	CDFG	Gene Marshall-Piedra Blanca National Recreation Trail and Steelhead Hab	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$122,840	Ventura-San Gabriel Coastal

Project Description

Reduce siltage and erosion through renovation and rerouting of 9.5 miles of foot trails away from spawning areas. installation of water bars, and replanting riparian areas with willow cuttings. Project will provide over 7000 hours of employment to 100 disadvantaged youth.

Project Ref	Grantee	Project Name	State
704957	CDFG	Little North Fork Ten Mile Watershed Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Habitat Protection and Restoration	$80,764	$0	Northern California Coastal

Project Description

Implementation of upslope restoration prescriptions to reduce road-related sediment in the Little North Fork Ten Mile River sub-basin.

Project Ref	Grantee	Project Name	State
704959	CDFG	Salt Creek Livestock Exclusionary Fence Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	07-MAY-03-19-NOV-03	Salmon Habitat Protection and Restoration	$0	$31,138	Klamath

Project Description

To improve local anadromous fish habitat by constructing approximately a mile of livestock exclusionary fencing on Salt Creek in the Hayfork Valley of Trinity County.

Project Ref	Grantee	Project Name	State
704962	CDFG	Grass Valley Creek Revegetation Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	07-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$194,468	$0	Klamath

Project Description

Continue reforestation work in the Grass Valley Creek watershed by planting approximately 150,000 tree, shrub, grass and forb seedlings in a 100 acre area

Project Ref	Grantee	Project Name	State
704964	CDFG	Price Creek Fish Screen Removal Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$28,337	Klamath

Project Description

Remove a non-functioning fish screen, remove a log dam, install infiltration gallery, and pipe a 1/4 mile of ditch to eliminate direct diversion and provide improved fish passage.

Project Ref	Grantee	Project Name	State
704971	CDFG	Andrews Property Riparian Habitat Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-13-AUG-04	Salmon Habitat Protection and Restoration	$0	$150,000	Central California Coastal

Project Description

Reduce sedimentation of spawning habitats by stabilizing 650 feet of eroded stream bank, revegetating with native trees and understory vegetation and managing livestock with fencing. The project will also increase the number of pools in the project reach to balance pool to riffle ratios and will result in management of livestock away from 0.65 miles of the stream. Permanent protection of the site will be accomplished through a conservation easement expected to be signed in the spring of 2003.

Project Ref	Grantee	Project Name	State
704973	CDFG	Stansberry Creek Culvert Replacement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$187,508	Northern California Coastal

Project Description

Provide access to approximately 0.7 miles of potential anadromous fish habitat by replacing failing, undersized culvert with a fish friendly passage (metal box culvert mounted on concrete base with internal weir structures).

Project Ref	Grantee	Project Name	State
704974	CDFG	Gibson Creek Culvert Replacement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$203,078	Northern California Coastal

Project Description

Provide acces to approximately 1.7 miles of potential anadromous fish habitat by replacing a failing, undersized culvert with a structure (multiplate pipe culvert) that will not be a barrier to adult and juvenile salmonids.

Project Ref	Grantee	Project Name	State
704975	CDFG	Stanley Creek Culvert Replacement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$229,353	Northern California Coastal

Project Description

Provide access to approximately 9,200' of potential anadromous fish habitat by replacing a failing culvert with one that will not be a barrier to juvenile salmonids.

Project Ref	Grantee	Project Name	State
704976	CDFG	Saunders Creek Culvert Replacement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$259,540	Northern California Coastal

Project Description

Replace existing culvert and provide access to approximately 3,600 feet of potential anadromous fish habitat.

Project Ref	Grantee	Project Name	State
704979	CDFG	Bradford Ranch Upslope Sediment Reduction Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Habitat Protection and Restoration	$144,991	$0	Northern California Coastal

Project Description

Decommission and upgrade 9.5 miles of road segments (2.4 miles decommissioned, 7.1 miles upgraded), saving an estimated 15,088 cubic yards of sediment from entering the watershed.

Project Ref	Grantee	Project Name	State
704992	CDFG	Kelly Gulch Migration Barrier Removal Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	27-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$163,171	Klamath

Project Description

Replace an existing culvert stream crossing with a bridge structure.

Project Ref	Grantee	Project Name	State
704994	CDFG	Instream Barrier Removal Project on Tributary to South Fork Big River at	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$23,260	Northern California Coastal

Project Description

Modify an existing box culvert to open access to 8,600 feet of habitat

Project Ref	Grantee	Project Name	State
705014	CDFG	Conley Creek Project #1	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$39,793	Northern California Coastal

Project Description

Install a log wing deflector, 7 digger logs, 2 upstream boulder weirs, 9 single boulders, stabilize eroding stream banks, revegetate and exclude livestock along a 1,100 foot section of Conley Creek

Project Ref	Grantee	Project Name	State
705018	CDFG	Dobbyn Creek Slides Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$35,037	Northern California Coastal

Project Description

Install 2 boulder/log deflectors, 1 boulder cluster, 3 digger logs; stabilize 375 feet of stream bank and exclude livestock from a 450 foot section of creek

Project Ref	Grantee	Project Name	State
705022	CDFG	Price Creek Channel Stabilization and Cover Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-07	Salmon Habitat Protection and Restoration	$0	$98,824	Northern California Coastal

Project Description

Stabilize stream channel, provide pool/cover habitat, decommission a section of road and upgrade another road section

Project Ref	Grantee	Project Name	State
705027	CDFG	Middle Mattole Streambank Stabilization Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$117,056	Northern California Coastal

Project Description

Stabilize streambanks and prevent sedimentation through bioengineered willow and rock structures.

Project Ref	Grantee	Project Name	State
705031	CDFG	Mill Creek Channel Restoration (2003)	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-12-APR-04	Salmon Habitat Protection and Restoration	$0	$40,000	Northern California Coastal

Project Description

Progressively re-establish a single, primary channel stream system with a diversity of in-stream habitat structure and functional riparian corridor to maintain suitable water flow a temperature regimes necessary to support salmonid species.

Project Ref	Grantee	Project Name	State
705033	CDFG	East Austin Creek Riparian Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$30,202	Northern California Coastal

Project Description

Restore shade canopy, large woody debris and improve nutrient cycling in a 2.5 mile section of East Austin Creek through the removal and control of broom ssp. (Genista monspessulana & Cytisus scoparious) and revegetaion through outplanting of native riparian tree species.

Project Ref	Grantee	Project Name	State
705037	CDFG	Devil's Gulch Culvert Modification	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$61,125	San Francisco Bay

Project Description

Remove two degraded culverts, bank armoring and revegetation

Project Ref	Grantee	Project Name	State
705039	CDFG	Ishi Pishi Road Decommissioning Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	02-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$348,407	$0	Klamath

Project Description

Decommission 34.3 miles of road, including restoration of 46 stream crossings, saving an estimated 23,747 cubic yards of road-related sediment from entering stream and the Klamath River.

Project Ref	Grantee	Project Name	State
705052	CDFG	Upper Los Osos Creek Riparian Habitat Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$0	$57,625	Central California Coastal

Project Description

Stabilize eroded slopes, provide a well-vegetated floodplain bench, restore the riparian vegetation community using low-profile bioengineered methods while minimizing the loss of agricultural land.

Project Ref	Grantee	Project Name	State
705057	CDFG	Dago Creek Road Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Habitat Protection and Restoration	$43,727	$0	Northern California Coastal

Project Description

Remediate upslope erosion sources to prevent 8,000 cubic yards of sediment from entering Dago Creek

Project Ref	Grantee	Project Name	State
720048	CDFG	Salmon Creek / Pine Drive Bank Stabilization	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-31-JAN-04	Salmon Habitat Protection and Restoration	$9,870	$0	Northern California Coastal

Project Description

The contractor will armor and buttress 300 feet of actively eroding bank using 3 boulder wing deflectors, 150 feet of willow fence, and rock rip-rap. A three foot deep toe trench will be excavated at the toe of the bank. The excavated trench will be backfilled with boulders at least 3 feet in diameter and extending up to the high water mark. Size of the rock from the toe trench up to the high water mark will be of a size that will withstand normal high flows. One wing deflector will be placed at the upper extent of the failing bank and the second placed approximately 40 feet downstream with willow fence placed in between. Rock rip-rap will extend 50 feet downstream from the second deflector to the third deflector at the end of the bank failure.

Project Ref	Grantee	Project Name	State
720049	CDFG	Shively Creek Erosion Control	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-DEC-03	Salmon Habitat Protection and Restoration	$7,348	$0	Northern California Coastal

Project Description

Site 1: Stabilize approximately 50 feet of failing stream bank using rock armor. Using heavy equipment, rock armor will be placed at the toe of the failure with live willow cuttings placed in the trench before it is back filled, forming a willow wall. Once rock is in place, willow cuttings will be placed between individual rocks across the entire armoring.
Site 2: Stabilize 300 feet of stream channel by re-sloping 300 feet of bank and revegetating with willow cuttings by densely sprigging.

Project Ref	Grantee	Project Name	State
720050	CDFG	Peacock Creek Water Diversion Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-SEP-03-15-NOV-03	Salmon Habitat Protection and Restoration	$19,547	$0	Northern California Coastal

Project Description

1.Grantee will remove an existing intake structure and culvert on Peacock Creek, located in Humboldt County. The specific project location is indicated on the attached site map, made part of this agreement by this reference.
2.The existing structure will be replaced with an undergravel filtration and gallery system, consistent with the design indicated in the attached drawings. Any variation in project design must be approved by the DFG Project Manager
3.All instream work will take place while the site is dewatered by the County of Del Norte and must be completed under their permitting requirements.
4.Any disturbed ground in the project area will be seeded with native grasses, approved by the DFG project manager, and mulched.

Project Ref	Grantee	Project Name	State
720054	CDFG	Mattole Canyon Creek Delta Revegetation #2	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-31-OCT-03	Salmon Habitat Protection and Restoration	$3,227	$0	Northern California Coastal

Project Description

The Grantee will protect and stabilize 175 feet of actively eroding bank by installing 4 willow baffles and 45 linear feet of willow mattress.

Project Ref	Grantee	Project Name	State
720055	CDFG	Miller Creek Slide Stabilization Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-14-AUG-03	Salmon Habitat Protection and Restoration	$9,988	$0	Northern California Coastal

Project Description

The grantee will armor and buttress the actively moving slide using 4 boulder rip-rap buttresses and boulder rip-rap at the toe of the slide along the stream bank. Portions of the slide will be re-contoured to improve drainage and seal tension cracks. Size of the rock within the high water mark will be of a size that will withstand normal high flows. A combination of redwood and Douglas fir trees, totaling 500 trees, will be planted in and around the slide. See Attachment II, which is attached and made part of this agreement by this reference.

Project Ref	Grantee	Project Name	State
720056	CDFG	Rex¿s Wing Dam #1 Repair	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-31-OCT-03	Salmon Habitat Protection and Restoration	$25,696	$0	Northern California Coastal

Project Description

1.Grantee will repair erosion damage to the structure known as Rex¿s Wing Dam #1, located at mile 2.79 of the Mattole River, in Humboldt County.
2.The structure¿s historical base will be reconstructed with unitized 1+ ton rock. Large woody debris (LWD) will be securely anchored to the rock base using standard techniques and materials. A final layer of unitized 1+ ton rock will be place atop the LWD matrix. Final project design must be approved in advance by the DFG Project Manager.

Project Ref	Grantee	Project Name	State
720057	CDFG	Leggett Creek Barrier Modification	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-SEP-04	Salmon Habitat Protection and Restoration	$9,667	$0	Northern California Coastal

Project Description

The Grantee will improve fish passage by repositioning and anchoring logs and stumps within a large log debris accumulation (LDA). Logs will be positioned in a manner which will create a step pool habitat structure. Any logs removed from the LDA that are not used in the structure must remain within the recruitment zone of the stream.

Project Ref	Grantee	Project Name	State
720058	CDFG	Redwood Creek Watershed Improvement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-MAR-04	Salmon Habitat Protection and Restoration	$9,875	$0	Northern California Coastal

Project Description

Complete removal of an expansive stream crossing on a tributary to Panther Creek/Redwood Creek that could not be treated as expected in an existing project. The site has increased in complexity and volume (from the proposal's original estimate of 3,100 cu. yards, to a revised project estimate of 6,000, and what is now 7,900 cu. yards and counting) as the site is being treated.

Project Ref	Grantee	Project Name	State
720060	CDFG	Mad River Tributary Crossing Upgrade & Bank Stabilization	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	21-JUL-03-31-OCT-03	Salmon Habitat Protection and Restoration	$9,970	$0	Northern California Coastal

Project Description

Site 1: The Grantee will remove fill and reslope steam banks at a washed-out Humboldt crossing. Willow cuttings will be placed in a trench at the toe and backfilled with boulder to provide bank protection and stability. Excavated material will be used to partially re-contoure road approach to crossing. Exposed soil will be mulched and seeded.
Site 2: The Grantee will remove the 3 existing culverts and all associated fill material in the stream crossing. The crossing will be upgraded to a bridge crossing. Existing boulders will be placed as a grade control within the channel and at the toe of the banks to prevent erosion and further down-cutting. Upstream of the crossing, 100 feet of willow fascine wall on the upstream end of the gravel bar will be installed to encourage revegetation and protect against erosion. See Attachment II ¿ Site Diagram, which is attached and made part of this agreement by this reference.
Bank slopes shall be graded to a 2:1 slope and size of the rock with in the high water mark will be of a size that will withstand normal high flows.

Project Ref	Grantee	Project Name	State
720061	CDFG	Mynot Creek Road / Mynot Creek Box Culvert Migration Barrier	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-SEP-03-01-FEB-05	Salmon Habitat Protection and Restoration	$121,983	$0	Klamath

Project Description

The removal and replacement of an existing fish migration barrier on Mynot Creek, a undersized concrete box culvert and replacement with arch culvert. Also, restore the upstream and downstream channel from the culvert by revegetating streambanks. This will facilitate the migration of anadromous fish to 13,600 feet of potential fish-bearing habitat, previously blocked by the existing installed culvert. Restoration of upstream riparian areas will improve habitat conditions for returning salmonids.

Project Ref	Grantee	Project Name	State
720062	CDFG	Peacock Creek Fish Passage - Barrier Removal	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-SEP-03-01-FEB-05	Salmon Habitat Protection and Restoration	$54,850	$0	Northern California Coastal

Project Description

Removal of existing fish migration barrier on Peacock Creek and replacement with a structure passable by juveniles and adults. This will open over 7,000 feet of stream habitat for adult and juvenile coho salmon, chinook salmon, steelhead trout, and cutthroat trout.

Project Ref	Grantee	Project Name	State
720065	CDFG	Miller Creek Sediment Reduction Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-DEC-04	Salmon Habitat Protection and Restoration	$9,990	$0	San Francisco Bay

Project Description

1.Repair head cut and install rocked energy dissipater to stabilize existing culvert in Miller Creek, adjacent to Lucas Valley Road.
2.Follow head cut repair specifications developed by Prunuske Chatham, Inc.
3.Seed all disturbed areas with partial shade native seed mix and mulch with rice straw.
4.Install split rail fencing along disturbed area of wet meadow adjacent to Miller Creek.
5.Rip and disk soil and rototill planting area before the end of September.
6.Revegetate wet meadow by planting native grass seed after the first rains.
7.Mow meadow of weeds and hand weed Yellow Star thistle the following spring.

Project Ref	Grantee	Project Name	State
720067	CDFG	Russian River Tributary Riparian Planting Irrigation Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-31-DEC-04	Salmon Habitat Protection and Restoration	$8,739	$0	Northern California Coastal

Project Description

Contractor will install drip irrigation lines to restoration projects (including native multi-species tree plantings and willow structures) implemented in 2001 and 2002 in the immediate riparian corridors along tributaries to the Russian River, including Pena Creek, Ackerman Creek and Mill Creek. In the summer of 2003, contractor will inspect and maintain irrigation lines twice monthly from June through October. At the onset of the rainy season contractor will remove irrigation lines and water pumps from the active channel. In June 2004, contractor will reinstall irrigation lines to projects on Mill Creek and Ackerman Creek and move the entire Pena Creek irrigation system to a multi-species direct riparian planting project on Feliz Creek (to be implemented Winter 2004 by the Russian River Tributary Restoration and Landowner Outreach Program).

Project Ref	Grantee	Project Name	State
720069	CDFG	Adobe Creek Adaptive Management Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-JUL-03-31-DEC-03	Salmon Habitat Protection and Restoration	$9,395	$0	San Francisco Bay

Project Description

Install two V-notch baffles to partition the intermediate outfall pool to relocate and change the dynamic of the outfall ¿jump¿. These proposed additional baffles would reduce and move the jump toward the downstream end of the intermediate pool, facilitating easier fish passage by directing fish away from the current hurdle and allowing easier passage into the baffle alleyway.

Project Ref	Grantee	Project Name	State
720071	CDFG	Nathanson Creek Revegetation Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-JUL-03-31-DEC-04	Salmon Habitat Protection and Restoration	$9,947	$0	San Francisco Bay

Project Description

1.Remove existing wire revetment from creek bank. Wire that is deeply buried or intertwined with desirable vegetation will be cut out. Wire that is essential to bank stability will not be removed. 2.Remove non-native invasive plants within riparian zone. Vinca major and other invasive annuals will be dug out by hand. 3.Re-vegetate riparian zone with locally propagated native riparian plants to include, oak, maple, buckeye, and bay laurel along the upper and lower creek bank; native grasses on the upper bank; and other native understory vegetation between the upper and lower bank. 4.Support the property owners in their efforts to ¿showcase¿ this demonstration site for the community, schools, and other stakeholders. This may include photographs and articles for the local media and various local newsletters; outreach to K-12 schools and colleges; outreach to other local landowners and the agricultural community

Project Ref	Grantee	Project Name	State
720073	CDFG	Bear Creek Canyon Road Association Storm-Proofing	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-31-DEC-04	Salmon Habitat Protection and Restoration	$9,845	$0	Central California Coastal

Project Description

Various road improvements along 4.9 miles of road in the vicinity of Bear Creek and Shear Creek including culvert repair/placement, grading and excavating.

Project Ref	Grantee	Project Name	State
720074	CDFG	Salmon Creek Bank Stabilization	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-03-31-DEC-03	Salmon Habitat Protection and Restoration	$5,341	$0	Northern California Coastal

Project Description

1.Stablilize 40 ft. of eroding streambank on mainstem Salmon Creek
a.Remove any existing poultry wire previously placed on the bank
b.Place 24 inch diameter boulders in a toe trench at the base of the bank
c.Place additional boulders on top of the rocked toe trench 4ft up
the bank and along the entire 40 ft. length of the eroding bank
2.After rocking bank, seed (native grass seed that is shade tolerant if necessary) and mulch any exposed soil resulting from this project in the riparian corridor and/or upslope of the creek to prevent erosion into the creek channel.
3.Place and secure several appropriately sized logs with rootwads in the stream channel pointing upstream to deflect the stream flow away from the bank and to provide habitat for salmonids. Logs will be placed at an angle to deflect stream flow towards the center of the creek, not to the opposite bank and in a manner that does not cause degradation to the channel, banks, the riparian vegetation, or water quality.

Project Ref	Grantee	Project Name	State
720076	CDFG	Burchiel Farms Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-03-31-DEC-03	Salmon Habitat Protection and Restoration	$9,990	$0	Central California Coastal

Project Description

CCC crews will remove approximately 100 non-native eucalyptus trees measuring six (6) inches or less in diameter-at-breast-height (DBH) using chain saws. Trees will be cut and stacked. Small material will be chipped and removed from the creek corridor. Crews will clear eucalyptus leaf litter away from the planting areas. Leaf litter may be chipped. Chipped or non-chipped leaf litter will be moved outside of the high water mark.
CCC crews will use hand tools to re-slope the upper bank, to a 2:1 slope.
CCC crews will plant cleared areas and re-sloped bank with locally obtained, native species that occur in the creek corridor in the vicinity of the project site.

Project Ref	Grantee	Project Name	State
720078	CDFG	Surprise Valley Ranch Bank Stabilization Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-DEC-04	Salmon Habitat Protection and Restoration	$6,600	$0	Northern California Coastal

Project Description

Pull back channel slopes to 2:1 maximum slope, place fabric mat on slopes and place rock rip-rap on the affected area. Revegetate as needed.

Project Ref	Grantee	Project Name	State
720079	CDFG	Willits Mill Creek Adaptive Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-DEC-04	Salmon Habitat Protection and Restoration	$7,808	$0	Northern California Coastal

Project Description

1.Install 5 boulder/log structures redirect streamflow from eroding streambanks.
2.Install willow plantings and willow mattress as needed to provide additional streambank stabilization.

Project Ref	Grantee	Project Name	State
720081	CDFG	Pena Creek Storm Damage Repair 2003	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-03-31-DEC-04	Salmon Habitat Protection and Restoration	$8,159	$0	Northern California Coastal

Project Description

Work will occur at the following locations: Repair Site (l) Ft 1450 left bank. Boulder wing deflector w/redwood log. The log tore loose, has been recovered and will be reinstalled w/additional large boulders. Boulders and log will be cabled together. Repair Site (2.) Ft. 2935 left bank. Boulder wing deflector with redwood 1og cabled in. Some of the uncabled boulders in the area have shifted. We will replace some of the boulders and cable 2 large boulders in the streamside end of the log for additional needed stability. Repair Site (3.) Ft. 2815 to 2975 left bank. The previously installed boulder bank protection was overtopped in last winter¿s unusually large storm event, cutting a scarp above the rock. An additional line of rock will protect the entire area from being outflanked and isolated. Repair Site (4), the entire irrigation system was severely damaged as flood waters overtopped the streambank and nearby road. Repairs will be made along the entire length of the project.

Project Ref	Grantee	Project Name	State
720083	CDFG	Lower Austin Creek Migration Improvement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-SEP-03-31-DEC-04	Salmon Habitat Protection and Restoration	$23,654	$0	Northern California Coastal

Project Description

The project will involve constructing 11 main-channel pools, 8 back-water pools, installing 3 j-hook weirs (combination log/boulders), 4 digger log structures, 1 boulder deflector, and a series of rock barbs. Other large wood available on location may also be added to constructed pools as cover structures

Project Ref	Grantee	Project Name	State
720086	CDFG	Carpinteria Bike Path Barrier Modification	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-SEP-03-15-MAR-04	Salmon Habitat Protection and Restoration	$24,234	$0	Central California Coastal

Project Description

1.Analysis and Design - Conduct a detailed technical assessment of the project site. The City of Carpinteria (City) will seek the assistance from the California Department of Fish and Game (DFG) and NOAA Fisheries staff on fish passage barrier analysis and restoration design when developing the preliminary design for the project. At least 3 weeks prior to construction, the City will submit to DFG¿s Contract Manager and Hydraulic Engineering staff the final design specifications for written approval.
2.Permitting ¿ The City and resource agency members of the Carpinteria Creek Watershed Coalition will work cooperate to facilitate CEQA review and permitting. Additionally, the City will obtain all necessary permits such as grading, coastal development and building permits from the City; a Streambed Alteration Agreement from the California Department of Fish and Game; a U.S. Army Corps of Engineers¿ Section 404 permit; a California Regional Water Quality Control Board Section 401 certification; and project approval by NOAA Fisheries.
3.Construction ¿ The City will fabricate new removable decking for the bike path culvert (including galvanizing all steel components), demolish the existing top of the culvert and install the new culvert covers. Additionally the city will comply with all permit conditions to ensure minimal impact to the habitat and biological resources of Carpinteria Creek.

Project Ref	Grantee	Project Name	State
720088	CDFG	Lone Star Creek Erosion Control Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-31-DEC-03	Salmon Habitat Protection and Restoration	$7,187	$0	Northern California Coastal

Project Description

At site B, the grantee will upgrade one stream crossing to pass the 100 year flood by installing a 60 inch diameter, 60 foot long culvert with inlet and outlet armoring and a critical dip. Removal of road and skid trails will include retrieving unstable material sidecast during road construction and excavation of stream crossings and other watercourse fill.

Project Ref	Grantee	Project Name	State
720089	CDFG	Sweasy Gulch Erosion Control Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-SEP-03-30-APR-04	Salmon Habitat Protection and Restoration	$3,804	$0	Northern California Coastal

Project Description

The grantee will upgrade one stream crossing to pass the 100 year flood by installing a 48 inch diameter, 30 foot long culvert with inlet and outlet armoring and a critical dip.

Project Ref	Grantee	Project Name	State
720091	CDFG	Bull Creek Instream Structure Maintenance Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-31-OCT-03	Salmon Habitat Protection and Restoration	$9,918	$0	Northern California Coastal

Project Description

The Grantee will conduct maintenance and repair on 20 instream structures in Bull Creek. Eight scour/cover logs will be repositioned and anchored, 10 willow baffles will be re-installed, additional rock will be added to six upstream ¿V¿ boulder weirs, and one boulder wing deflector and boulder cluster will be constructed.

Project Ref	Grantee	Project Name	State
720092	CDFG	North Fork Mattole River Bank Stabilization Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-31-OCT-03	Salmon Habitat Protection and Restoration	$6,666	$0	Northern California Coastal

Project Description

The Grantee will protect 450 linear feet of actively eroding bank using 5 redwood or Douglas fir log/boulder wing deflectors, willow mattress, and rock armor. The eroding bank will be sloped back to a 1:2 slope using ¿river-run¿ cobble and gravel. The deflectors will consist of logs greater than 1 foot in diameter and boulders greater than or equal to 4¿ in diameter. In between each deflector along the resloped bank, a willow mattress will be constructed with rock placed in the toe trench.

Project Ref	Grantee	Project Name	State
720093	CDFG	South Dobbyn Creek Enhancement Project #2	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-AUG-03-31-OCT-03	Salmon Habitat Protection and Restoration	$9,992	$0	Northern California Coastal

Project Description

The Grantee will armor a streambank with boulder and willow, and enhance an existing cabled boulder deflector by adding boulders and two logs.

Project Ref	Grantee	Project Name	State
720096	CDFG	Williams Creek Erosion Control	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-SEP-03-31-DEC-03	Salmon Habitat Protection and Restoration	$5,615	$0	Northern California Coastal

Project Description

The Grantee will construct two cabled boulder wing deflectors, 30¿ of willow mattress, and four 20¿ long willow baffles.

Project Ref	Grantee	Project Name	State
720157	CDFG	Miller Creek Road Drainage Modification	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	24-OCT-03-31-OCT-03	Salmon Habitat Protection and Restoration	$9,995	$0	Northern California Coastal

Project Description

The Grantee will recontour a 1/4 mile section of road, resulting in two outsloped sections and 4-6 long rolling dips. The inboard ditch will be filled for almost its full length. Excavated soil will be wetted for good compaction and the road surface will be watered prior to rocking. The existing undersized culvert will be replaced with a new 36 inch culvert and the outfall will be armored with 20 tons of rip rap. The small creek that is diverted down the road will be returned to its original course by excavating a channel with the backhoe.

Project Ref	Grantee	Project Name	State
720458	CDFG	Indian Creek Ditch Decommissioning	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-NOV-03-30-MAR-05	Salmon Habitat Protection and Restoration	$4,855	$0	Klamath

Project Description

Decommission a diversion ditch along Indian Creek at Indian Creek Ranch

Project Ref	Grantee	Project Name	State
720459	CDFG	Freshwater Creek Weir and Trap Repair	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-03-28-FEB-05	Salmon Habitat Protection and Restoration	$5,080	$0	Northern California Coastal

Project Description

construct and install a permanent Heavy Duty Steel Weir, similar in design to an Alaska Temporary Weir, in an existing side channel of Freshwater Creek

Project Ref	Grantee	Project Name	State
720464	CDFG	Cloud Ridge Road Upslope Sediment Reduction Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-SEP-03-31-DEC-04	Salmon Habitat Protection and Restoration	$24,612	$0	Northern California Coastal

Project Description

Implement road upgrading and storm proofing erosion control measures along approximately 1.1 miles of rural sub-division, poorly drained, gravel roads located west of the town of Healdsburg, CA. within the Russian River watershed. Contractor will reconstruct 2 small stream crossings with culverts sized for the 100 year storm, and install road drainage structures designed to disperse road runoff along over 4,600 feet of road.

Project Ref	Grantee	Project Name	State
720465	CDFG	Burton Bridge Barrier Removal	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	20-DEC-03-15-MAR-04	Salmon Habitat Protection and Restoration	$19,565	$0	Central California Coastal

Project Description

Break the remnant concrete road bed into movable blocks, using pneumatic equipment. Lift blocks out of the stream channel using a crane positioned on the bridge overhead. Remove all debris associated with the roadbed removal.

Project Ref	Grantee	Project Name	State
720466	CDFG	Beartrap Creek Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-DEC-04	Salmon Habitat Protection and Restoration	$7,713	$0	Northern California Coastal

Project Description

At the toe of a legacy slide in Beartrap Creek reset large woody debris that diverts flow against toe of the slide mass. Augment protection with rip rap boulders

Project Ref	Grantee	Project Name	State
720468	CDFG	Streeter / Ten Mile Creeks Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-DEC-03-31-DEC-04	Salmon Habitat Protection and Restoration	$9,856	$0	California

Project Description

planting of approximately 1,273 native riparian trees of varying species and native grasses and forbs seed. Tree protectors will be installed to protect the trees from wildlife browse and insure their growth. An irrigation drip-system will be installed and maintained to insure water supply for the trees during dry periods

Project Ref	Grantee	Project Name	State
720470	CDFG	Sisar Creek Fish Passage Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JAN-04-31-OCT-04	Salmon Habitat Protection and Restoration	$9,922	$0	Ventura-San Gabriel Coastal

Project Description

Remove the center portion of the existing Arizona crossing, install a 53¿6¿clear span railroad flat-car bridge

Project Ref	Grantee	Project Name	State
720473	CDFG	Rowdy Creek Fish Hatchery Stream Bank Stabilization	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-04-01-DEC-04	Salmon Habitat Protection and Restoration	$9,999	$0	Northern California Coastal

Project Description

stabilize approximately 60-70 feet of eroding stream bank with boulders and plantings

Project Ref	Grantee	Project Name	State
720475	CDFG	Peacock Creek Barrier Modification and Habitat Improvement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-JUN-04-31-OCT-04	Salmon Habitat Protection and Restoration	$4,776	$0	Northern California Coastal

Project Description

remove and/or relocate or modify the position of several large logs which form a fish migration barrier log jam, he relocated logs will be used in combination with large boulders to construct stream bank stabilization/cover structures located on the left stream bank adjacent to the log jam and on both stream banks down stream of the barrier site

Project Ref	Grantee	Project Name	State
720480	CDFG	Lower Hunter Creek Stream Corridor Enhancement Project-Reach II Strea	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-JUL-04-01-NOV-04	Salmon Habitat Protection and Restoration	$9,943	$0	Klamath

Project Description

restore 400 feet of eroding bank by installing 3 or more complex log boulder structures combined with willow spriging and willow wattles bioengineering techniques

Project Ref	Grantee	Project Name	State
720482	CDFG	Cate School Topographic Survey	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	21-JUN-04-31-AUG-04	Salmon Habitat Protection and Restoration	$6,080	$0	Central California Coastal

Project Description

hire a local surveyor who will conduct a topographic survey of the Cate School Arizona Crossing, the survey will include sufficient detail (placement of trees and other major structures, etc) so that it can be used in the hydraulic and geomorphic analysis of the creek

Project Ref	Grantee	Project Name	State
720487	CDFG	Ward Creek Barrier / Debris Modification Project 2003	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-SEP-03-31-DEC-04	Salmon Habitat Protection and Restoration	$3,900	$0	California

Project Description

modify a large woody debris obstruction, and remove and or move logs out of the low flow channel

Project Ref	Grantee	Project Name	State
720488	CDFG	Washington Gulch Crossing Replacement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-FEB-03-01-NOV-04	Salmon Habitat Protection and Restoration	$9,950	$0	Northern California Coastal

Project Description

replace an old, failing bridge on Washington Gulch, remove the existing bridge and install a 25¿ x 16¿ pre-cast concrete bridge

Project Ref	Grantee	Project Name	State
720489	CDFG	Elk Creek Instream Habitat Enhancement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-FEB-04-01-NOV-04	Salmon Habitat Protection and Restoration	$9,871	$0	Southern Oregon Coastal

Project Description

Construct ten complex log and boulder structures and modify four fish migration barriers

Project Ref	Grantee	Project Name	State
720491	CDFG	Walker Creek Riparian Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-FEB-04-01-JUN-04	Salmon Habitat Protection and Restoration	$8,459	$0	Klamath

Project Description

The Grantee will improve approximately 25 acres of riparian habitat along a one mile reach of Walker Creek as identified by Klamath National Forest personnel. The Grantee will plant 9,500 native conifer seedlings

Project Ref	Grantee	Project Name	State
720492	CDFG	Golf Course Creek Bank Stabilization	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-04-30-NOV-04	Salmon Habitat Protection and Restoration	$7,500	$0	Northern California Coastal

Project Description

stabilize approximately 156¿ of eroding stream bank, slope 1:1, incorporate large woody debris into the stream bank armor to aide in pool formation, create stream edge roughness and provide holding and rearing areas for salmonids, re-vegetate the stream bank with native transplanted sedges, huckleberry, ferns, and grasses and shrub seedlings

Project Ref	Grantee	Project Name	State
720494	CDFG	Johnson Ranch Creek Livestock Fencing	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-DEC-03-31-DEC-04	Salmon Habitat Protection and Restoration	$15,000	$0	Central California Coastal

Project Description

construct 4,500 linear feet of wildlife friendly fence, not to exceed 42 inches in height, the fence will be installed at the outside edge of the existing riparian corridor drip line, or 50 feet from the top of unvegetated bank, whichever is the greater distance

Project Ref	Grantee	Project Name	State
720495	CDFG	Jolly Giant Creek Daylighting	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-APR-04-01-DEC-04	Salmon Habitat Protection and Restoration	$9,985	$0	Northern California Coastal

Project Description

day lighting approximately 125¿ of Jolly Giant Creek that is currently buried underground in a concrete box culvert, excavate fill and remove the 5¿x 6¿x 125¿ concrete box culvert, at either end of the day lighted section of stream, place a minimum 4 large wood and boulder in-stream structures in the day lighted section of the creek to improve anadromous salmonid habitat. Appropriately sized gravels will also be placed in the streambed to improve fish and aquatic habitat

Project Ref	Grantee	Project Name	State
720497	CDFG	Heath Canyon Tributary Fish Barrier Removal	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAR-04-31-DEC-04	Salmon Habitat Protection and Restoration	$50,828	$0	San Francisco Bay

Project Description

Two existing culvert crossings will be removed and stabilized by vortex and footer rock to restore natural channel flow conditions to allow for steelhead passage. One crossing will also be replaced with a freespanning modified railcar bridge

Project Ref	Grantee	Project Name	State
720498	CDFG	Salt Creek Riparian Habitat Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-04-01-NOV-04	Salmon Habitat Protection and Restoration	$9,124	$0	Klamath

Project Description

install six complex, boulder, root wad, log in stream structures at predetermined sites, develop an erosion control/silt management and fish relocation plan, install four livestock water troughs in adjacent fields

Project Ref	Grantee	Project Name	State
720500	CDFG	Jekel Vineyards Streambank Stabilization	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAR-04-31-DEC-04	Salmon Habitat Protection and Restoration	$8,365	$0	Central California Coastal

Project Description

Stabilize bank in three sections of Arroyo Seco River with live willow siltation baffles, boulders, boulder wing deflectors, and other treatments as described in agreement

Project Ref	Grantee	Project Name	State
720501	CDFG	Salmon and Scotty Creeks Tributary Restoration & Landowner Outreach	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAR-04-31-DEC-04	Salmon Habitat Protection and Restoration	$6,114	$0	Northern California Coastal

Project Description

Utilize these grant funds to augment the existing Salmon Creek Tributary Restoration and Landowner Outreach Program by adding two additional stream restoration projects, one in the Salmon Creek watershed and one in the Scotty Creek watershed

Project Ref	Grantee	Project Name	State
703590	CDFG	Chinook Salmon Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Salmon Habitat Protection and Restoration	$0	$7,300	Central California Coastal

Project Description

Increase the numbers of adult Chinook salmon in order to enhance the sport and commercial fishing opportunities in the greater Monterey Bay region. Net pens will be used to acclimate the smolts before release.

Project Ref	Grantee	Project Name	State
703597	CDFG	Peacock Creek Fish Passage Barrier Removal Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-30-MAR-04	Salmon Habitat Protection and Restoration	$294,951	$0	Northern California Coastal

Project Description

Remove existing fish migration barrier on Peacock Creek and replace with open bottom culvert. This will open over 7000 feet of stream habitat for utilization by adult and juvenile Coho salmon, Chinook salmon, steelhead trout and cutthroat trout.

Project Ref	Grantee	Project Name	State
703605	CDFG	Cooperative Salmonid Culture Program Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-07-JUL-03	Salmon Habitat Protection and Restoration	$0	$20,000	Northern California Coastal

Project Description

Trap and spawn 40 male and 20 female Chinook salmon to produce up to 100,000 eggs and 6 male and 3 female Coho salmon to produce up to 7,000 eggs to continue artificial propagation maintenance program on S. Fork Eel River and to provide eyed eggs for the "salmon in the classroom" educational program.

Project Ref	Grantee	Project Name	State
703606	CDFG	Sweet Creek Riparian Habitat Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-16-MAR-04	Salmon Habitat Protection and Restoration	$0	$73,236	Northern California Coastal

Project Description

Protect deforested and or unstable reaches of Sweet Creek by placement of stock water, exclusion and control fencing; to facilitate the system to resume natural stabilization functions from large woody vegetation. Also, prevent pollution and improve water quality to restore and maintain salmonid habitat by excluding livestock from 7400' of Sweet Creek. Storm proof a legacy logging road to be used for exclusion fence placement and maintenance access including the storm proofing or removal of 1500 yards of potential sediment delivery.

Project Ref	Grantee	Project Name	State
703607	CDFG	Price Creek Riparian Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-23-MAR-04	Salmon Habitat Protection and Restoration	$0	$27,210	Northern California Coastal

Project Description

Protect salmonid population recovery through protection and restoration of riparian and instream habitat. Prevent pollution to and improve water quality on approximately 19,000 feet of Price Creek and the Eel River. Restore and maintain fish and aquatic wildlife habitat on 6150 feet of Price Creek.

Project Ref	Grantee	Project Name	State
703614	CDFG	Trinity River Bridge Replacements	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-30-MAR-05	Salmon Habitat Protection and Restoration	$431,412	$0	Klamath

Project Description

Replace Trinity River bridges that in their current condition prevent implementation of flow regime prescribed for fishery restoration.

Project Ref	Grantee	Project Name	State
703621	CDFG	Pennington Creek Bank Stabilization Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-13-JAN-03	Salmon Habitat Protection and Restoration	$57,934	$0	Central California Coastal

Project Description

Provide improved habitat for steelhead trout in Pennington Creek and reduce sedimentation in Pennington and Chorro Creek and the Morro Bay National Estuary.

Project Ref	Grantee	Project Name	State
703622	CDFG	Mill Creek Watershed Acquisition	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAY-01-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$5,000,000	Northern California Coastal

Project Description

Acquire fee title to approximately 24,753 acres in Del Norte County which are the remaining privately owned lands in the Mill and Rock Creek drainages (tributaries to the Smith River), to place the lands in public ownership and management. This will prevent new impacts related to timber harvest to the drainages through elimination of management for timber harvest. The property is being acquired for the purposes of preserving and enhancing the property's diverse habitats while providing compatible public recreation access.

Project Ref	Grantee	Project Name	State
703626	CDFG	Briceland Sediment Reduction and Water Quality Improvement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Habitat Protection and Restoration	$10,279	$0	Northern California Coastal

Project Description

Place 120 yards of 1/4 to 1 ton rock to stabilize the Briceland Pond outflow. Armor 25 feet of streambank. Place a rock collar around the outflow end of the horizontal section of culvert. Install an armored critical dip next to the culvert and cut back 20 by 30 feet of steeply exposed slope to its angle of repose. Plant 3 eroded gullies with native plants, seeds and willows, protected with jute cloth.

Project Ref	Grantee	Project Name	State
703634	CDFG	Steelhead Population Monitoring and Passage Facilities at the Robles Div	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-JUN-02-08-MAR-04	Salmon Habitat Protection and Restoration	$1,500,000	$0	Ventura-San Gabriel Coastal

Project Description

Install facilities at the Robles Diversion Dam that will allow for steelhead adult and smolt passage and conduct steelhead population studies in the Ventura River watershed.

Project Ref	Grantee	Project Name	State
703638	CDFG	Promoting Sound Resource Management Practices and Policies	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-28-AUG-03	Salmon Habitat Protection and Restoration	$29,007	$0	Northern California Coastal

Project Description

Promote sound management and sustainability for all resources in Humboldt County, especially for healthy and viable watersheds and their anadromous fish populations.

Project Ref	Grantee	Project Name	State
703641	CDFG	Quiota Creek Fish Passage Enhancement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-JUN-02-15-MAR-05	Salmon Habitat Protection and Restoration	$116,950	$0	Central California Coastal

Project Description

Provide access to over 24,288 linear feet of perennial spawning and rearing habitat for southern ESU steelhead by replacing (with a bridge) the last remaining Arizona (fair-weather) road crossing on Quiota Creek, a tributary of the lower Santa Ynez River.

Project Ref	Grantee	Project Name	State
703646	CDFG	Mynot Creek Road/Mynot Creek Box Culvert Migration Barrier (Removal a	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-25-MAR-04	Salmon Habitat Protection and Restoration	$250,962	$0	Klamath

Project Description

Removal of an existing fish migration barrier on Mynot Creek, an undersized box culvert, and replacement with an arch culvert. Restoration of the upstream and downstream channel by revegetating streambanks. This will facilitate the migration of anadromous fish to 13,600 feet of potential fish-bearing habitat.

Project Ref	Grantee	Project Name	State
703648	CDFG	Hayworth Creek Sediment Control and Fish Passage Improvement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Habitat Protection and Restoration	$89,711	$0	Northern California Coastal

Project Description

Control an estimated 8900 cubic yards of sediment deliverable to Hayworth Creek, improve fish passage to approximately 1 mile of rearing and potential spawning habitat on Gulch Seven by removing 2 culverts and installing 2 bridges.

Project Ref	Grantee	Project Name	State
703649	CDFG	Seely Creek Watershed Association 2001 Implementation Proposal	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-04-DEC-03	Salmon Habitat Protection and Restoration	$156,227	$0	Northern California Coastal

Project Description

Four projects will address 31 sites that include gully stabilization, road decommissioning and culvert replacement.

Project Ref	Grantee	Project Name	State
703655	CDFG	Adaptive Watershed Improvement Team Projects	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JAN-02-31-MAR-04	Salmon Habitat Protection and Restoration	$42,670	$92,669	California

Project Description

Provide financial support in an adaptive, responsive, needs-driven process to facilitate watershed, riparian and stream habitat improvement projects which will benefit salmon and steelhead streams of coastal California (outside of the Central Valley drainage).

Project Ref	Grantee	Project Name	State
703681	CDFG	Alexander EcoDairy Riparian Enhancement Project: Moseley Ranch Site	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-30-MAR-04	Salmon Habitat Protection and Restoration	$21,655	$0	Northern California Coastal

Project Description

Exclude livestock from Tryon Creek and enhance the riparian corridor by fencing and planting native riparian species to improve fish and wildlife habitat and water quality.

Project Ref	Grantee	Project Name	State
703685	CDFG	AmeriCorps Watershed Stewards Project - Member Match	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Salmon Habitat Protection and Restoration	$0	$292,236	California

Project Description

Provide mandatory non-federal match for Watershed Stewards Project members' living allowance, workers' compensation and health care, office space, member per diem, training, field safety equipment, and mileage reimbursement.

Project Ref	Grantee	Project Name	State
703693	CDFG	Little River Watershed Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-30-MAR-04	Salmon Habitat Protection and Restoration	$54,422	$0	Northern California Coastal

Project Description

Protect and restore salmonid habitat through implementation of prioritized road decommissioning, erosion control and erosion prevention in the Little River Watershed.

Project Ref	Grantee	Project Name	State
703696	CDFG	Redwood Creek Watershed Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-18-FEB-04	Salmon Habitat Protection and Restoration	$184,031	$0	Northern California Coastal

Project Description

Protect and restore salmonid habitat through implementation of prioritized road decommissioning, erosion control and erosion prevention in the Redwood Creek watershed.

Project Ref	Grantee	Project Name	State
703709	CDFG	Lower North Fork Mad River Cover Enhancement Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-30-MAR-04	Salmon Habitat Protection and Restoration	$138,927	$0	Northern California Coastal

Project Description

Continue the effort to provide additional pool/cover habitat as well as improved spawning habitat. This will be accomplished by improving and enhancing appropriate stream reaches through the placement of log, rootwad and boulder combinations, deflectors and clusters.

Project Ref	Grantee	Project Name	State
703712	CDFG	Jolly Giant Creek Fish Passage	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-02-DEC-02	Salmon Habitat Protection and Restoration	$5,443	$0	Northern California Coastal

Project Description

Improve fish passage in a 120 foot section of a 380.5 foot culvert located on Jolly Giant Creek by increasing channel roughness.

Project Ref	Grantee	Project Name	State
703715	CDFG	Upper Mattole River Watershed Restoration Implementation Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-MAY-02-31-MAR-04	Salmon Habitat Protection and Restoration	$576,597	$0	Northern California Coastal

Project Description

Reduce impacts to and restore salmonid habitat through implementation of site-specific and prioritized road decommissioning, upgrading, erosion control and erosion prevention work in the upper Mattole River watershed.

Project Ref	Grantee	Project Name	State
703721	CDFG	Bear River Riparian Planting	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Habitat Protection and Restoration	$0	$25,029	Northern California Coastal

Project Description

Improve riparian canopy, provide a future source of large woody debris, and increase bank stability by planting 2700 Douglas fir and redwood. Build 4600 feet of livestock control fence.

Project Ref	Grantee	Project Name	State
703723	CDFG	Lawrence Creek Riparian Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Habitat Protection and Restoration	$0	$42,257	Northern California Coastal

Project Description

Improve riparian canopy, provide a future source of large woody debris, and increase bank stability by planting 6100 Douglas fir and 2600 redwood trees.

Project Ref	Grantee	Project Name	State
703726	CDFG	Sawmill Creek Stream Crossing Upgrade Project #1	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-02-DEC-03	Salmon Habitat Protection and Restoration	$11,446	$0	Northern California Coastal

Project Description

Improve spawning and rearing habitat for Chinook salmon and steelhead trout. Reduce a potential source of sedimentation from the upper reach of Sawmill Creek. Remove 200 cubic yards of fill material from an old and unstable Humboldt stream crossing. Upgrade and replace culverts in 2 streams. Reslope and install a critical dip. Add 20 yards of angular quarried boulder for bank protection along 50 feet of a cutbank slide.

Project Ref	Grantee	Project Name	State
703737	CDFG	Hart Ranch Little Shasta Exclusion Fence	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-30-MAR-04	Salmon Habitat Protection and Restoration	$67,098	$0	Klamath

Project Description

Permanently protect existing high quality riparian habitat along cold-water refugia section of Little Shasta River on the Hart Ranch.

Project Ref	Grantee	Project Name	State
703739	CDFG	Lower Kidder Creek Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-30-MAR-04	Salmon Habitat Protection and Restoration	$19,280	$0	Klamath

Project Description

Protect and enhance 1.1 miles of Kidder Creek by improving/constructing 1800 feet of fencing, 5 acres of riparian planting, and 4 hard points to limit bank erosion and improve instream complexity.

Project Ref	Grantee	Project Name	State
703741	CDFG	Scott River Fish Screening Program III	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-30-MAR-04	Salmon Habitat Protection and Restoration	$94,421	$0	Klamath

Project Description

Prevent loss of juvenile salmon and steelhead from diversion ditches by installing 5 self-cleaning fish screens in the Scott River watershed. Fund screening program oversight and provide coordination to screen maintenance.

Project Ref	Grantee	Project Name	State
703742	CDFG	Shackleford Creek Demonstration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-JUN-02-30-MAR-04	Salmon Habitat Protection and Restoration	$66,912	$0	Klamath

Project Description

Stabilize streambed and protect water quality in lower Shackleford Creek by providing a fish-friendly diversion structure. Improve instream conditions by installing 3 vortex weirs to provide needed cover and complexity for the reach.

Project Ref	Grantee	Project Name	State
703744	CDFG	Miller Creek Fish Habitat Structure Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-22-JAN-04	Salmon Habitat Protection and Restoration	$10,978	$0	Northern California Coastal

Project Description

Construct 6 complex boulder/log pool scour structures and armor 40 feet of streambank in Buck Gulch, tributary to Miller Creek.

Project Ref	Grantee	Project Name	State
703747	CDFG	Hungry Hollow Road Mile Two Upgrade	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Habitat Protection and Restoration	$32,747	$0	Northern California Coastal

Project Description

Upgrade 1.1 miles of riparian road adjacent to Mill Creek. This will significantly reduce sediment delivery to Mill Creek and will also serve as a demonstration of road upgrading techniques that benefit fisheries.

Project Ref	Grantee	Project Name	State
703753	CDFG	Summerville Road Sediment Reduction Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-03-09-MAR-04	Salmon Habitat Protection and Restoration	$729,412	$0	Klamath

Project Description

Reduce and minimize future chronic and episodic delivery of road-related sediment to anadromous fish habitat from 17.6 miles of Forest road within the Upper South Fork Salmon River.

Project Ref	Grantee	Project Name	State
703754	CDFG	King Solomon Mine Tailings Dams Reclamation Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-02-MAR-04	Salmon Habitat Protection and Restoration	$101,072	$0	Klamath

Project Description

Reduce and minimize stream undercutting and the threatened failure of 2 remnant tailings dams and associated sediment from delivery to anadromous fish habitat in Matthews Creek and the South Fork Salmon River.

Project Ref	Grantee	Project Name	State
703765	CDFG	Indian Creek: Decommissioning of Dam/Diversion/Ditch and Dedication of	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-03-31-MAR-05	Salmon Habitat Protection and Restoration	$194,190	$0	Klamath

Project Description

Benefit the anadromous fishery be a dedication to the environment of water that has historically been diverted for agricultural use via a dam/ditch irrigation system.

Project Ref	Grantee	Project Name	State
703770	CDFG	Tom Long Creek Diversion Gully Fixes and Culvert Upgrades	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-02-MAR-04	Salmon Habitat Protection and Restoration	$22,968	$0	Northern California Coastal

Project Description

Contribute to the restoration of Tom Long Creek salmonid populations by reducing chronic fine sediment contributions from actively eroding upslope diversion gullies, and reducing the rick of episodic sediment contributions from currently undersized and poorly aligned stream crossing culverts.

Project Ref	Grantee	Project Name	State
703771	CDFG	Mill Creek Watershed Rehabilitation Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Habitat Protection and Restoration	$315,145	$0	Northern California Coastal

Project Description

Protect and restore salmonid habitat by reducing road related sediment inputs from gullying, road crossing failure and mass wasting (debris flows, ets.) into Mill Creek. Decommission abandoned logging roads and remove stream crossings. All work sites were inventoried in the Mill Creek Watershed Road Assessment conducted in April and May 2001.

Project Ref	Grantee	Project Name	State
703774	CDFG	Maacama Creek Enhancement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Habitat Protection and Restoration	$9,687	$0	Northern California Coastal

Project Description

Enhance salmonid habitat in a 800 foot section of Maacama Creek by installing 3 willow walls to help stabilize eroding banks and improve the riparian corridor.

Project Ref	Grantee	Project Name	State
703778	CDFG	Feliz Creek Riparian Restoration and Fish Habitat Improvement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-14-JUL-03	Salmon Habitat Protection and Restoration	$43,823	$0	Northern California Coastal

Project Description

Improve fish habitat utilizing bioengineering and other CDFG Stream Habitat Restoration Manual techniques that reduce streambank erosion, increase riparian vegetation and provide winter run refugia areas within a specific stream reach of Feliz Creek.

Project Ref	Grantee	Project Name	State
703783	CDFG	Salmon Creek Watershed Riparian Restoration Project 2002	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-05-JUN-03	Salmon Habitat Protection and Restoration	$0	$127,050	Northern California Coastal

Project Description

Reestablish a stable flood plain, which should stabilize and define approximately 4000 linear feet of stream channel, provide long term large woody debris recruitment and structure, and greatly enhance riparian cover at the proposed work sites in the anadromous reaches of Salmon Creek.

Project Ref	Grantee	Project Name	State
703784	CDFG	Salmon Creek Watershed Restoration Project 2002, Streambank Stabilizat	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-05-JUN-03	Salmon Habitat Protection and Restoration	$0	$91,850	Northern California Coastal

Project Description

Improve salmonid spawning and rearing habitat by stabilizing approximately 3200 linear feet of streambanks at 16 sites in the Salmon Creek watershed. Bank protection measures include bioengineered rock armoring, bioengineered structures, plantings of redwood, alder and willow cuttings, and fencing.

Project Ref	Grantee	Project Name	State
703785	CDFG	Gualala River Wood in the Stream Project, Phase III	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Habitat Protection and Restoration	$20,284	$0	Northern California Coastal

Project Description

Introduce 500 thousand board feet of large woody debris at 10 sites in the Gualala River watershed north of the Wheatfield Fork to create pools and cover habitat for Coho salmon and steelhead trout. Non-merchantable logs will be installed in the stream.

Project Ref	Grantee	Project Name	State
703787	CDFG	Little North Fork Gualala River Sediment Reduction Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-11-MAR-04	Salmon Habitat Protection and Restoration	$279,583	$0	Northern California Coastal

Project Description

Decrease the amount of fine sediment in stream gravel and riffle habitat with the objective of increasing production of juvenile steelhead trout and Coho salmon within the Little North Fork Gualala River watershed by regrading roads and installing needed culverts for erosion control and stormproofing.

Project Ref	Grantee	Project Name	State
703793	CDFG	Teague Ranch Bank Stabilization Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Salmon Habitat Protection and Restoration	$0	$31,148	Northern California Coastal

Project Description

Improve existing salmonid habitat and migration access in the Van Duzen River through the creation of scour pools and the prevention of bank erosion. Construct a series of hard groins and plant willow mattress bank protection along a 1000 foot section of river bank.

Project Ref	Grantee	Project Name	State
703815	CDFG	Ward Creek/Gualala River Watershed Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Habitat Protection and Restoration	$351,299	$0	Northern California Coastal

Project Description

Reduce impacts to and restore salmonid habitat through implementation of site specific and prioritized road stormproofing, erosion control and erosion prevention in Ward Creek, Pole Mountain Creek, and South Fork Gualala River watersheds.

Project Ref	Grantee	Project Name	State
703817	CDFG	Fish Screen Retrofit, Humboldt Bay Municipal Water District	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-20-FEB-04	Salmon Habitat Protection and Restoration	$0	$64,680	Northern California Coastal

Project Description

Replace screen panels to make the District's direct diversion facility fish tight, and bring the facility into full compliance with the current CDFG and NMFS fish screening requirements.

Project Ref	Grantee	Project Name	State
703824	CDFG	Mill Creek Channel Restoration 2002	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAY-02-21-OCT-03	Salmon Habitat Protection and Restoration	$0	$25,000	Northern California Coastal

Project Description

Progressively reduce the length of the barren, multi-braided streambed and eventually connect the 2 healthy sections of stream by implementing a series of bioengineering prescriptions to reestablish bank stability and minimize side channel usage while encouraging the development of a single, primary channel.

Project Ref	Grantee	Project Name	State
703842	CDFG	Dobbyn Creek at Fort Seward Bridge Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-17-OCT-03	Salmon Habitat Protection and Restoration	$24,450	$0	Northern California Coastal

Project Description

Improve salmonid spawning and rearing habitat by reducing bank erosion and a major sediment source through the installation of 2 large wood and boulder structures which will protect the streambank and improve habitat.

Project Ref	Grantee	Project Name	State
703844	CDFG	Jack of Hearts Creek Sediment Reduction Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-20-FEB-04	Salmon Habitat Protection and Restoration	$0	$21,431	Northern California Coastal

Project Description

Reduce current and potential sediment delivery from Jack of Hearts Creek Road. Upgrade/replace culverts at 11 class II and III stream crossings. Additional general road reshaping on 3.5 miles of native surface road, including installing 10 rocked rolling dips with outsloping and berm removal at selected sites from mile 0 to mile 3.5.

Project Ref	Grantee	Project Name	State
703845	CDFG	Prince Creek Memorial Greenway Restoration Project, Phase 3: Santa Ro	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Habitat Protection and Restoration	$448,900	$0	Northern California Coastal

Project Description

Improve steelhead migration habitat in a reach of Santa Rosa Creek in downtown Santa Rosa by removing concreted rip-rap, installing rock wing deflectors, redwood log habitat structures, and boulder weirs to create pools, riffles and glides, creating a defined low flow channel, and revegetating the channel bottom and banks.

Project Ref	Grantee	Project Name	State
703846	CDFG	Lower Soda Creek Riparian Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-11-MAR-04	Salmon Habitat Protection and Restoration	$0	$41,421	Northern California Coastal

Project Description

Restore a 640 foot section of Soda Creek by installing 1 boulder structure, stabilizing eroding streambanks, revegetating the stabilized area, and reestablishing a single channel at the confluence with the Eel River.

Project Ref	Grantee	Project Name	State
703849	CDFG	Pena Creek Riparian Restoration and Fish Habitat Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-04-APR-03	Salmon Habitat Protection and Restoration	$165,424	$0	Northern California Coastal

Project Description

Improve fish habitat utilizing bioengineering and other CDFG Restoration Manual techniques that reduce stream bank erosion, increase vegetation and provide winter run refuge areas within a specific stream reach.

Project Ref	Grantee	Project Name	State
703861	CDFG	South Fork Trinity River Watershed Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-05-DEC-03	Salmon Habitat Protection and Restoration	$222,718	$0	Klamath

Project Description

Implement sediment reducing watershed restoration activities on the road network on U.S. Forest Service lands in the South Fork Trinity River watersheds as recommended by road inventories, watershed analysis, and environmental assessment.

Project Ref	Grantee	Project Name	State
704503	CDFG	Beck Irrigation Tailwater Capture Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-30-MAR-04	Salmon Habitat Protection and Restoration	$19,440	$0	Klamath

Project Description

Capture heated, nutrient-rich irrigation tailwater for re-use to prevent degradation of Shasta River; begin reducing other livestock impacts to Shasta River.

Project Ref	Grantee	Project Name	State
704508	CDFG	Johnson Creek Instream Fish Barrier Culvert Removal	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Habitat Protection and Restoration	$100,885	$0	Northern California Coastal

Project Description

Restoration of salmonid access to a total of 8,900 feet of habitat by replacing an existing 100% barrier to adult and juvenile steelhead and Coho with a properly sized bottomless pipe arch culvert.

Project Ref	Grantee	Project Name	State
704522	CDFG	Stream Gauging Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-30-DEC-05	Salmon Habitat Protection and Restoration	$160,400	$0	Klamath

Project Description

Install 16 stream gauging stations in the Shasta and Scott River systems to collect data essential to the planning and implementation of a recovery plan for Coho salmon. These stations will be real-time data collection platforms collecting stage, discharge, and temperature data. Five precipitation monitors will also be installed at the gauging stations.

Project Ref	Grantee	Project Name	State
704524	CDFG	Diversion Improvement Program in Coho Over-Summering Area	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	25-JUN-02-30-MAR-04	Salmon Habitat Protection and Restoration	$0	$71,124	Klamath

Project Description

Stabilize streambeds and protect water quality in Coho and steelhead over-summering areas by installing a fish-friendly diversion structure and head gates at 4 locations. Improve instream conditions by installing vortex weirs to provide needed cover and complexity for the reach.

Project Ref	Grantee	Project Name	State
704531	CDFG	Sugar Creek Flow Enhancement through Diversion Piping	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-30-MAR-04	Salmon Habitat Protection and Restoration	$1,417,023	$0	Klamath

Project Description

Increase spring, summer and fall instream flows most years in Sugar Creek by at least 5.9 cubic feet per second by decreasing the amount of water diverted for agricultural use in diversions by 1) long-term transfer of adjudicated rights to instream use and 2) elimination of ditch water conveyance losses. Improve instream fisheries habitat in at least 3 miles of Sugar Creek for anadromous fish, especially for rearing juvenile Coho and steelhead. Protect the agricultural beneficial use of water for the health of the economic community by increasing its efficiency and consistency. Set a precedent of cooperative efforts to conserve water for instream fisheries use. Monitor the instream effectiveness of the project for future direction of similar projects.

Project Ref	Grantee	Project Name	State
704534	CDFG	Implementation of Fish Screen Maintenance Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-JUN-02-15-MAR-06	Salmon Habitat Protection and Restoration	$68,896	$0	Klamath

Project Description

Develop and implement fish screen maintenance program for 50 fish screens in the Scott River watershed. Expand existing diversion user group function and move toward self-funded program.

Project Ref	Grantee	Project Name	State
704541	CDFG	Technical Assistance for Barrier Modification	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-JUN-02-30-MAR-04	Salmon Habitat Protection and Restoration	$50,499	$0	Klamath

Project Description

Find the most feasible option to ultimately serve the needs of fish passage, enable land owner to obtain his allotted water right, and access for adjacent property owner.

Project Ref	Grantee	Project Name	State
704548	CDFG	Upper Mattole Large Woody Debris 2002	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-25-FEB-04	Salmon Habitat Protection and Restoration	$23,506	$0	Northern California Coastal

Project Description

Improve the quality and quantity of summer and winter habitat for Coho salmon in the upper mainstem Mattole and Thompson Creek through the installation of 12 instream log cover structures (9 complex and 3 simple structures).

Project Ref	Grantee	Project Name	State
704549	CDFG	RY Ranch Tail Water Management #5	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-30-MAR-04	Salmon Habitat Protection and Restoration	$220,198	$0	Klamath

Project Description

Collect warm, nutrient-rich tailwater and sediments from 540 acres of irrigated pasture, filter the run-off through a grassy buffer and wetland, hold the water in a deep sump, and return the flows to the high end of the unit for re-use. Improve water quality in the Shasta River, improve water conservation, reduce sedimentation, reduce water temperatures, and provide critical wetland habitat.

Project Ref	Grantee	Project Name	State
704556	CDFG	Water Diversion Construction Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-30-DEC-05	Salmon Habitat Protection and Restoration	$350,000	$0	Klamath

Project Description

Construct lockable headgates and flow measuring devices at 123 diversions to increase the amount of water remaining in these streams for Coho salmon and other instream uses without reducing or impacting the legal rights of water users.

Project Ref	Grantee	Project Name	State
704558	CDFG	Middle Creek Riparian Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Habitat Protection and Restoration	$0	$13,409	Northern California Coastal

Project Description

Provide diversity and increased shading potential to the riparian canopy of Middle Creek by planting 24,000 native Douglas fir and mixed hardwoods.

Project Ref	Grantee	Project Name	State
704560	CDFG	Shasta River CRMP Tree Wrapping for Beaver Control Proposal	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-30-MAR-04	Salmon Habitat Protection and Restoration	$2,453	$0	Klamath

Project Description

Wrap approximately 200 riparian trees, 6 inches or more in diameter with wire fencing to prevent beaver damage. Trees will be wrapped with 4 foot high woven no climb fence wire. Holes are 2 inches by 4 inches and wire thickness is 12.5 gauge. Trees to be wrapped will be in the riparian zone of the Shasta River or one of its tributaries that support anadromous fish.

Project Ref	Grantee	Project Name	State
704565	CDFG	Shasta River Riparian Cattle Exclusion Fence	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	17-JUN-02-30-MAR-04	Salmon Habitat Protection and Restoration	$56,596	$0	Klamath

Project Description

Construct approximately 7800 feet of new riparian livestock exclusion fencing and 6 stock water access areas. Secure signed agreement to maintain fences with complete grazing exclusion for a minimum of 10 years.

Project Ref	Grantee	Project Name	State
720100	CDFG	East Anderson Creek Maintenance	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-OCT-03-31-OCT-03	Salmon Habitat Protection and Restoration	$0	$1,565	Northern California Coastal

Project Description

This project will be accomplished by excavating an unstable section of stream bank and stabilizing it. Bare soil will be seeded and mulched where possible. A silt fence will be placed in the creek, downstream of the worksite, to lessen impacts to water quality during project implementation. Spoils material will be stored in stable locations where it will not erode. If stable spoils storage sites are not available within the project area, they will be endhauled to a stable storage site outside the project area.

Project Ref	Grantee	Project Name	State
720102	CDFG	Santa Rosa Creek Supplemental Watershed Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-SEP-02-31-DEC-03	Salmon Habitat Protection and Restoration	$19,625	$0	Northern California Coastal

Project Description

1.Improve 2 rolling dips, improve the headwall height at 2 new culvert inlets, add coarse rip-rap to one armored fill stream crossing, add rip-rap to the outlet of one newly installed stream crossing culvert, modify the drain point for one critical rolling dip, and excavating and endhauling a 22 yds3 cutbank failure adjacent a ditch relief culvert inlet.
2.On the Spaulding property (a private in-holding within the McCormick addition to Sugarloaf Ridge State Park) upgrade one stream crossing which plugged and stabilize the adjacent road, to include decommissioning a segment of the road by draining the road with frequent cross road drains, excavating the culvert and all fill at the stream crossing (site#8), and excavating the potential landslide at site#5. Construct 5 rolling dips on the remainder of the Spaulding property to disconnect the remainder of their road system from small stream crossings or small gullies.

Project Ref	Grantee	Project Name	State
720103	CDFG	Lower Indian Creek Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-02-31-MAR-03	Salmon Habitat Protection and Restoration	$16,009	$0	Northern California Coastal

Project Description

The Contractor will improve bank stability and add new diverse habitat for salmonid species at approximately three sites in Indian Creek. Remediation work will consist of installing boulder deflectors, rock armoring stream banks, and installing a rootwad to increase complex cover.

Project Ref	Grantee	Project Name	State
720104	CDFG	Wilder Ranch Peasley Gulch Bridge	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	09-SEP-02-31-MAR-03	Salmon Habitat Protection and Restoration	$50,960	$0	Central California Coastal

Project Description

Remove road crossing at lower Peasley Gulch, including any culvert and all fill material. Build concrete abutments and install rock rip-rap as per conceptual drawings referenced in ATTACHMENT 1, which is attached and made part of this agreement by this reference. Install a bridge superstructure onto the abutments. Apply erosion-control material.

Project Ref	Grantee	Project Name	State
720105	CDFG	DeHaven Creek Stream Crossings Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-SEP-02-14-OCT-02	Salmon Habitat Protection and Restoration	$6,688	$0	Northern California Coastal

Project Description

The Contractor will replace 2 undersize and plugged culverts on Dehaven Creek road, including one culvert on an unnamed tributary and one culvert on Martin Creek. The culverts shall be designed to allow passage of water, debris, and fish according to Department of Fish and Game criteria.
Also, a ditch relief culvert uproad of Site B was replaced.

Project Ref	Grantee	Project Name	State
720107	CDFG	Grape Creek Riparian Corridor Planting	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-OCT-03-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$17,047	Northern California Coastal

Project Description

Bioengineering structures will be enhanced with a rigorous riparian planting project. The riparian plants to be planted will include in channel juncus and carex along with native grasses and mid-canopy riparian plants in appropriate areas along the bank. On the higher portions of bank canopy closing hardwoods will be planted. These planting sites have been identified and measured (see attached planting description). These sites when planted with riparian species will be able to defend against high water stream flows and provide stability for the alluvium soils of the banks. Species included in this proposal include native Non-Pierces disease host plants and trees. Plants will be irrigated through the first 2 growing seasons by the landowner.

Project Ref	Grantee	Project Name	State
720109	CDFG	Navarro Watershed Arundo Control Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-SEP-02-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$14,817	Northern California Coastal

Project Description

1. Form an Arundo Task Force with representation from local landowners, Mendocino Redwood Company, State Parks, Mendocino County RCD, State Coastal Conservancy and Department of Fish and Game;
2. Develop a public outreach campaign to promote technical assistance and cost-share programs available to landowners;
3. Conduct a demonstration/training workshop to assure that we do not inadvertently induce the spread of Arundo donax;4. With a trained crew, remove identified infestations with supportive landowners (this is the main budgeted project task);5. Monitor sights that have been treated with the cooperation and assistance of landowners;
6. Produce a final report with documentation, maps, and recommendations.

Project Ref	Grantee	Project Name	State
720111	CDFG	Fuller Creek Road Stormproofing	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-03-31-DEC-03	Salmon Habitat Protection and Restoration	$63,500	$0	Northern California Coastal

Project Description

Implement road surface drainage improvements and upgrade culverts on roads within the Fuller Creek watershed. Upgrade by implementing all or part of the following tasks: Road ripping or decompacting; installing or maintaining rolling dips, critical dips, water bars, and crossroad drains; replacing, maintaining, or cleaning culverts; outsloping road beds, revegetating work sites, and excavating stream crossings with spoils stored on site or end-hauled.

Project Ref	Grantee	Project Name	State
720113	CDFG	Revegetation of Roy¿s Pools in the Lagunitas Creek Watershed	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-DEC-02-22-MAR-04	Salmon Habitat Protection and Restoration	$8,657	$0	San Francisco Bay

Project Description

1.Plant 15 (fifteen) mature native riparian trees during the winter of 2002-03 on the upslope banks of Roy¿s pools on San Geronimo Creek, a tributary to Lagunitas Creek, to provide shade for juvenile salmonids.
a.Plant native riparian trees to include alder, big leaf maple, and redwood,
10 ¿ 15 ft. in height.
b.Enlist and supervise volunteers to assist in planting and care of trees.
c.Prepare planting site by removing riprap where necessary and adding natural, non-chemical soil amendments.
d.Ensure that any disruption of planting site on the upslope banks of San Geronimo Creek will not cause erosion of sediment into creek. Any erosion control techniques shall be approvedS by the California Department of Fish and Game (CDFG) Contract Manager, Gail Seymour.
2.Provide irrigation during the summer and fall seasons as necessary

Project Ref	Grantee	Project Name	State
720114	CDFG	Willow Creek Road Emergency Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-NOV-02-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$7,650	Northern California Coastal

Project Description

1.Provide emergency on-site supervision and on-site training for the implementation of sediment source recommendations from DFG funded assessment on Willow Creek Road to be conducted by Sonoma County public works on 4 miles of road.
2.Road work will include road surface treatments (including removal of berms, outsloping and rocking), construction of rolling dips and ditch maintenance.

Project Ref	Grantee	Project Name	State
720117	CDFG	San Luis Obispo Creek Rock Weir	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-03-31-DEC-03	Salmon Habitat Protection and Restoration	$27,991	$0	Central California Coastal

Project Description

Construct one rock weir and grout in place two existing boulder clusters, to create a series of three step pools, within 50 feet downstream from the culvert concrete apron. The new vortex weir shall be constructed of imported rock, approximately 7 meters downstream of the concrete apron. Two existing boulder clusters shall be grouted in place by filling in the voids of existing boulders with concrete

Project Ref	Grantee	Project Name	State
720118	CDFG	Bear River McBride Stabilization Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-AUG-02-31-DEC-03	Salmon Habitat Protection and Restoration	$9,995	$0	Northern California Coastal

Project Description

The Grantee will construct 3 log deflector structures, one cabled boulder deflector, 3 willow baffles, and 20' of boulder bank stabilization.
Water will be diverted away from the area being stabilized or wherever work is to be done where flowing water is present. A temporary diversion using coffer dams may be used, but must be breached to return flow to original channel when work is complete.
All work except for the revegatation shall take place during the summer and fall low flow period and shall be completed before the first significant seasonal rainfall. Planting of seedlings will take place after December 1 or when sufficient rainfall has occurred to insure the best chance of survival of the seedlings, but in no case later than March 1, 2003

Project Ref	Grantee	Project Name	State
720119	CDFG	Bear River Lowery Stabilization Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-AUG-02-31-OCT-03	Salmon Habitat Protection and Restoration	$9,994	$0	Northern California Coastal

Project Description

The contractor recontoured 350' of stream bank, constructed 2 cabled boulder/log deflectors, and 7 willow /boulder baffles.

Project Ref	Grantee	Project Name	State
720120	CDFG	Lower Bear River Channel Stabilization Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-AUG-02-31-DEC-03	Salmon Habitat Protection and Restoration	$9,995	$0	Northern California Coastal

Project Description

36 willow siltation baffles and 8 willow pods were installed within the project reach. These structures were placed along the most immediate erosion problems. A series of instream fish habitat improvement structures were constructed at the downstream end of the project reach.Four boulder log structures were placed with the design of improving the quality of complex cover for salmonids.

Project Ref	Grantee	Project Name	State
720121	CDFG	South Dobbyn Creek Enhancement Project #1	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-AUG-02-31-OCT-02	Salmon Habitat Protection and Restoration	$4,997	$0	Northern California Coastal

Project Description

Place and anchor additional boulders to two existing boulder structures. Reposition and re-anchor any logs of existing structures that are not currently positioned correctly. Boulders will be placed using heavy equipment and all anchoring will be done by the California Conservation Corp. Work will take place in Humboldt County on South Dobbyn Creek T3S, R5E, Sec 23, U.S.G.S. Alderpiont Quadrangle.

Project Ref	Grantee	Project Name	State
720123	CDFG	Bear River Lone Star Ranch Bank Stabilization Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-AUG-02-01-AUG-03	Salmon Habitat Protection and Restoration	$9,438	$7,488	Northern California Coastal

Project Description

The Grantee will recontour the existing gravel bar to eliminate the side channel. Using the spoils from the gravel bar, the grantee will fill the existing side channel and recontour 600 feet of eroding bank to a 2:1 slope. Along the recontoured bank log, log/boulder and willow siltation baffle, deflector structures will be constructed to prevent further lateral scour and allow the bank to reestablish. On the opposite bank of the main channel, a boulder and a digger log/boulder structure will be constructed to improve pool habitat. Logs placed on the recontoured bank will be anchored in place using ¿deadmans.¿ The stream banks with in the project reach will be planted with native deciduous trees to further stabilize the banks.

Project Ref	Grantee	Project Name	State
720125	CDFG	Rocky Gulch Sediment Reduction and Culvert Daylighting Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-AUG-02-01-NOV-03	Salmon Habitat Protection and Restoration	$4,992	$0	Northern California Coastal

Project Description

The Grantee will remove approximately 40 feet of culvert. The work will take place approximately 20 feet on either side of an existing sinkhole. Once the existing culvert section is removed, the channel will be excavated according to the attached typical cross section and graded to match the inverts of the two culvert inverts left in place at either end. Grade control will be maintained by the remaining culverts The stream banks with in the project reach will be planted with native deciduous trees to further stabilize the banks. Specific placement of the structures will be made by recommendation of California Department of Fish and Game staff.

Grantee will redirect the water line that services the main residence. Approximately 75 feet of new water line will be installed to move the line around the newly exposed channel instead of crossing the new channel and exposing the water line to possible future damage.

Rip rap will be installed at the outlet and inlet of the two culvert inlets to provide erosion control at those newly exposed locations. Washed gravel will be placed in the channel bottom to help alleviate erosion in an exposed channel bottom.

All disturbed area will be replanted with native vegetation approved by the DFG project manager

Project Ref	Grantee	Project Name	State
720130	CDFG	Seely Creek Teepee Burner Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-AUG-02-15-DEC-03	Salmon Habitat Protection and Restoration	$1,000	$0	Northern California Coastal

Project Description

The road adjacent to the site was moved 8 to 10 feet to the west in order to allow the banks of the project area to be sloped back to a 2:1 slope. A dead cement mixer and old 10 yard dump were picked up carefully by the excavator and placed nearer the teepee burner in order to widen the road. 5 logs (douglas fir and redwood) were brought in from land in the upper Mattole. Two were donated by the State Parks from road removal work and the others were donated by the Restoration Forestry, Inc. from private timberland adjacent to the state park. A spider log structure consisting 5 logs was installed and cable under the guidance of Bill Eastwood from the Eel River Salmon Restoration Group. A 4 to 6 foot dry stacked rock wall was installed for a length of 40 feet along the edge of the road to protect the bank from high flows. The logs have been placed in order to create a plunge pool with cover logs downstream. A large rock grade control anchors the installation. A 20 foot willow wall was installed.

Project Ref	Grantee	Project Name	State
720131	CDFG	Mill Creek Augmentation Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-AUG-02-30-SEP-02	Salmon Habitat Protection and Restoration	$2,910	$0	Northern California Coastal

Project Description

At the upstream end of the site, a large boulder and root wad will be anchored to protect a ¿calving-off¿ section of the bank. Downstream two log structures (a one-log and a two-log structure) will be placed and anchored to turn streamflow away from the exposed bank. The logs will be angled upstream and pointed downward into the substrate. The two-log structure will be unitized with a bolt and plate washer. Additionally, rock will be placed downstream of the structures on the left and right banks.

Project Ref	Grantee	Project Name	State
720132	CDFG	H.A.Y. Van Duzen River Project 2002	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-SEP-02-27-SEP-03	Salmon Habitat Protection and Restoration	$9,978	$0	Northern California Coastal

Project Description

The Contractor will install one boulder wing deflector. The boulders will be anchored using stainless steel cable. Size of the rock with the high water mark will be of a size that will withstand normal high flows.

Project Ref	Grantee	Project Name	State
720133	CDFG	Seely Skyline Pipe Arch and Fishery Enhancement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-15-OCT-02	Salmon Habitat Protection and Restoration	$9,860	$0	Northern California Coastal

Project Description

Install two boulder single wing deflectors, armor and buttress the failing cut bank using boulder and rock rip rap incorporating the two wing deflectors. Above the deflectors are two existing grade control structures, the uppermost structure will be lowered and a third will be installed to improve fish passage. Size of the rock with the high water mark will be of a size that will withstand normal high flows.

Project Ref	Grantee	Project Name	State
720134	CDFG	Green Fir Augmentation Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	25-SEP-02-14-OCT-02	Salmon Habitat Protection and Restoration	$9,999	$0	Northern California Coastal

Project Description

Stabilize a slide area along the mainstem of the Mattole, approximately 9 miles upriver from the mouth, by doing the following:
a.Stabilize the slide materials.
b.At the toe of the road bench, construct toe trench, fill trench with 2 rows of 1-2 ton rock incorporating the exposed bedrock.
c.Excavate the cut bank to a more to a more stable slope and use spoils as the road fill slope material, widening the road approximately five feet.
d.Construct an inboard ditch, connecting it to an existing culvert. The ditch will be lined with 20 yards of perm rock and a perforated drain pipe installed and then back filled with remaining perm rock.

Project Ref	Grantee	Project Name	State
720135	CDFG	Usal Road Addition	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	07-OCT-02-15-NOV-02	Salmon Habitat Protection and Restoration	$9,988	$0	Northern California Coastal

Project Description

A.The installation of eight rolling dips with rock armoring. This will slow water velocity and sediment transport and prevent runoff from concentrating on the road surface.
B.The installation of two rock armored drainage swales. These will function much as rolling dips but will incorporate special rock drain sinks enabling them to handle larger volumes of water flow.
C.The construction of five silt dams below the Usal road. The silt dams will be constructed using synthetic fabric, backed by wire mesh meeting the US EPA requirements with posts spaced no more than 10 feet apart and driven at least 12 inches into the ground.
D.The maintenance of the five silt dams below the Usal road. Each dam will be inspected:
a)at least once per week
b)three times per day during the first three significant rain events of the 2002-2003 fall/winter season
c)one time per significant rain event thereafter.

Project Ref	Grantee	Project Name	State
720137	CDFG	Barker Creek Diversion Project Phase III	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-03-18-JUL-03	Salmon Habitat Protection and Restoration	$6,293	$0	Klamath

Project Description

Modify pump and delivery system per landowner's needs. Install 400' of irrigation line to irrigate 4 acres pasture.

Project Ref	Grantee	Project Name	State
720140	CDFG	Howe Forks 2001	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-03-17-OCT-03	Salmon Habitat Protection and Restoration	$9,521	$0	Northern California Coastal

Project Description

The project will improve instream habitat for Chinook salmon and steelhead trout by repairing the left bank downstream abutment of the bridge and reinforcing the armor on the right bank, upstream of the bridge. This will be accomplished by completing the following tasks: Lift (approximately16¿), reposition and block the bridge in place.
Excavate a 4¿ trench at the toe of the left bank on the downstream side of the bridge. Armor the left bank with 4-6 ton boulder from bank height down to the bottom of the trench.
Place boulder armor behind the existing left bank abutment in the void that has been eroded.
Pour a new concrete footing between the boulder and the bridge.
Extend the armoring of the right bank, upstream of the bridge, by adding 8¿ of length and 4¿ of height with 4-6 ton boulder.

Project Ref	Grantee	Project Name	State
720141	CDFG	Silva Bridge	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-31-DEC-03	Salmon Habitat Protection and Restoration	$0	$9,944	Northern California Coastal

Project Description

Excavate approximately 350yds of fill and remove a concrete box culvert from the channel. Slope the banks back to a 2:1 ratio. Match the width of the stream banks at baseflow level to that of the contiguous reach downstream. Protect the exposed soil above baseflow with locally grown grass hay or seed and straw mulch. Place a steel bridge structure over the span and anchor on concrete footings.

Project Ref	Grantee	Project Name	State
720142	CDFG	Refuge Creek Culvert Replacement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-03-20-APR-03	Salmon Habitat Protection and Restoration	$9,650	$0	Northern California Coastal

Project Description

Replace two 36¿ culverts prone to plugging with an 8¿arch culvert and place ½ ton boulder armor on the banks immediately upstream of the arch culvert.

Project Ref	Grantee	Project Name	State
720147	CDFG	Santa Paula Creek Fish Ladder Maintenance Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	25-OCT-02-31-DEC-03	Salmon Habitat Protection and Restoration	$9,700	$0	Ventura-San Gabriel Coastal

Project Description

Select and move large boulders from the portion of Santa Paula Creek just downstream from the fish ladder. These boulders will then be placed into the eroded area at the base of the fish ladder under the direction of the California Conservation Corp Conservationist. Install the 5/8¿ galvanized cable and Hilti anchors in the boulders for added stability. The voids in between the large creek boulders will be filled with 6¿ cobble to further support the bank.

Project Ref	Grantee	Project Name	State
720161	CDFG	San Geronimo Creek Erosion Control & Revegetation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JAN-04-28-FEB-04	Salmon Habitat Protection and Restoration	$7,123	$0	San Francisco Bay

Project Description

1.Coordinate logistics for implementation of restoration projects including securing volunteers, materials, plant and seed collection sites, access and landowner permission and any necessary permits. 2.Collect native cuttings and seed and immediately plant at restoration sites (see attached list of sites). Planting will be implemented within the San Geronimo Creek watershed. Plant species to be collected will include Willow, Poplar, Snowberry, Native Blackberry (Cuttings); and Bay, Alder, Buckeye, Madrone, Baccaris, Toyon, Snowberry (Seeds). All native plant material will be collected within the Lagunitas Creek watershed.3.Subcontract with Circuit Rider Productions, Inc. to assist in the supervision of volunteers who will collect plant material within the Lagunitas Creek Watershed. 4.Collect native cuttings and seed requiring further propagation and deliver to a greenhouse facility and propagate for future out-planting. 5.Subcontract with Circuit Rider Productions, Inc. to oversee greenhouse and plant propagation operations.
6.Install adequate irrigation system as needed. 7.Install plant protectors to prevent trampling and foraging of vegetation by wildlife as needed.
7.Coordinate native plant cuttings and seed collection workshop. 9.Subcontract with a native plant expert to conduct workshop. Workshop will include training plant collection volunteer teams; actual collection of native plant material; actual planting of selected native plants at erosion sites throughout the watershed.

Project Ref	Grantee	Project Name	State
704055	CDFG	McDowell Creek Stream Enhancement Project 2000	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-15-MAR-02	Salmon Habitat Protection and Restoration	$112,715	$0	Northern California Coastal

Project Description

Improve 3780 feet of juvenile and adult steelhead trout habitat in McDowell Creek by utilizing erosion control/riparian enhancement techniques such as willow walls, willow revetments and brush mattresses.

Project Ref	Grantee	Project Name	State
704057	CDFG	Little Humbug Creek Barrier Removal Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-18-OCT-01	Salmon Habitat Protection and Restoration	$99,415	$0	Klamath

Project Description

Remove a three foot high jump into a culvert and replacing it with a small bridge. This will allow natural bottom fish passage to five miles of habitat upstream of the site.

Project Ref	Grantee	Project Name	State
704058	CDFG	Cowley Ranch Riparian Livestock Exclusion Fence Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$50,365	$0	Klamath

Project Description

Build approximately 10,000 feet of cattle exclusion fence around the riparian corridor of the Little Shasta River.

Project Ref	Grantee	Project Name	State
704070	CDFG	Lagunitas Creek Sediment Management Projects - Federal Lands	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-27-MAR-03	Salmon Habitat Protection and Restoration	$284,944	$0	San Francisco Bay

Project Description

Improve streambed conditions in the Lagunitas Creek system by reducing the load of fine sediments entering the creek.

Project Ref	Grantee	Project Name	State
704071	CDFG	Pilot Gravel Injection Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-16-APR-03	Salmon Habitat Protection and Restoration	$19,111	$0	Central California Coastal

Project Description

Injection of spawning gravels into the Carmel River using natural, native gravels mined from the inundation zones of San Clemente and Los Padres Reservoirs. Pilot program will demonstrate the feasibility of using natural in-basin gravels, rather than purchasing gravels from outside the Carmel River Basin. Pilot program would expand upon an existing spawning habitat restoration project originally funded by CDFG in 1992.

Project Ref	Grantee	Project Name	State
704072	CDFG	Salsipuedes Creek Fish Passage Enhancement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-22-AUG-02	Salmon Habitat Protection and Restoration	$24,949	$0	Central California Coastal

Project Description

Provide low flow passage to migrating steelhead at the State Highway 1 bridge on Salsipuedes Creek by modifying the concrete apron to allow for access to good upstream spawning and rearing habitat.

Project Ref	Grantee	Project Name	State
704073	CDFG	Short and Mill Creek Riparian Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-21-JAN-03	Salmon Habitat Protection and Restoration	$48,332	$0	Northern California Coastal

Project Description

Increase scour and reduce deposition of finer sediment; increase frequency and depth of pools; increase the pattern of year-round flows and reduce the incidence of juvenile steelhead mortality in pools that dry in the summer months; stabilize eroding banks by reinforce banks with rock, revegetate the area with native plants species, and construct fence to exclude livestock from revegetated areas.

Project Ref	Grantee	Project Name	State
704074	CDFG	Branscomb Road Culvert Improvements	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-31-MAR-03	Salmon Habitat Protection and Restoration	$43,200	$0	Northern California Coastal

Project Description

Upgrade and install baffles on culvert inhibiting fish passage.

Project Ref	Grantee	Project Name	State
704076	CDFG	Pine Gulch Creek Watershed Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-06-MAY-03	Salmon Habitat Protection and Restoration	$67,200	$0	San Francisco Bay

Project Description

Construction of off-stream water storage ponds to reduce the rate of instantaneous water withdrawal from the creek during periods of critical low flows.

Project Ref	Grantee	Project Name	State
704078	CDFG	Soquel Creek Lagoon Enhancement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-13-MAY-03	Salmon Habitat Protection and Restoration	$53,500	$0	Central California Coastal

Project Description

Improvement and maintenance of the flume structure, which is an integral part of the juvenile freshwater habitat for steelhead and Coho salmon. Enhancement of the habitat of anadromous salmonid species in the Soquel Creek Lagoon by reduction of non-point source pollutants, increased shading and improved cover for juveniles, and reduction of sedimentation.

Project Ref	Grantee	Project Name	State
704079	CDFG	Cloney Gulch Culvert Modification	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-29-MAR-02	Salmon Habitat Protection and Restoration	$7,960	$0	Northern California Coastal

Project Description

Improve access to 11,200 feet of anadromous fish habitat. Reduce jump height and modify outlet structure in order to improve access for adult and juvenile salmonids.

Project Ref	Grantee	Project Name	State
704157	CDFG	Grape Creek at Quivera Streambank Stabilization and Riparian Revegetati	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-12-AUG-02	Salmon Habitat Protection and Restoration	$0	$37,637	Northern California Coastal

Project Description

Stabilize and revegetate bare, eroded stream banks along Grape Creek utilizing Bioengineering techniques or rock and vegetation.

Project Ref	Grantee	Project Name	State
704158	CDFG	Tannery Creek Pool Habitat Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-09-SEP-02	Salmon Habitat Protection and Restoration	$0	$6,235	Northern California Coastal

Project Description

Create and enhance deep pools which will improve summer and winter rearing habitat.

Project Ref	Grantee	Project Name	State
704159	CDFG	Fay Creek Pool Habitat Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-03-SEP-02	Salmon Habitat Protection and Restoration	$0	$5,452	Northern California Coastal

Project Description

Create deep pools and increase stream complexity to improve Coho and steelhead habitat.

Project Ref	Grantee	Project Name	State
704160	CDFG	Forsythe Creek Riparian Tree Establishment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$6,078	Northern California Coastal

Project Description

Reduce water temperatures through tree canopy establishment to improve summer rearing habitat for steelhead.

Project Ref	Grantee	Project Name	State
704161	CDFG	Mill Creek Watershed Restoration Project, Bates Property Road Upgrade	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-16-APR-03	Salmon Habitat Protection and Restoration	$0	$40,479	Northern California Coastal

Project Description

Perform comprehensive road upgrades or road closures on approximately 2.5 miles of roads on and leading to the Bates Property, in order to reduce sediment input to Mill Creek and Little Mill Creek. The proposed work would prevent approximately 3,000 cubic yards of sediment from entering the stream system.

Project Ref	Grantee	Project Name	State
704163	CDFG	Ackerman Creek 8 Mile Bridge	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$60,332	Northern California Coastal

Project Description

Remove a fish passage barrier on Ackerman Creek, accomplished by replacing an undersized culvert with a bridge to facilitate improved fish passage. The increased sediment transport will improve flow conditions and possibly the number of pools.

Project Ref	Grantee	Project Name	State
704166	CDFG	Napa River Riparian Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-31-MAR-03	Salmon Habitat Protection and Restoration	$23,010	$0	San Francisco Bay

Project Description

Stabilize eroding stream banks using bioengineering techniques; open-up braided channels and point bar sediment deposits by removing vegetation from the channel.

Project Ref	Grantee	Project Name	State
704167	CDFG	Lagunitas Creek Watershed Roads	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-15-APR-03	Salmon Habitat Protection and Restoration	$79,080	$0	San Francisco Bay

Project Description

Improve 7 miles of actively used dirt roads and close 1 mile of an abandoned dirt road to reduce sediment sources and improve streambed conditions for the benefit of Coho and steelhead.

Project Ref	Grantee	Project Name	State
704168	CDFG	Lagunitas Creek Riparian Management Projects - State Lands	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-18-APR-03	Salmon Habitat Protection and Restoration	$16,247	$0	San Francisco Bay

Project Description

Enhance stream habitat by establishing riparian trees and overhanging streamside vegetation adjacent to pools, where openings in canopy cover could be reduce; large woody debris recruitment.

Project Ref	Grantee	Project Name	State
704169	CDFG	Tulucay Creek Streambank Stabilization and Riparian Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-16-APR-03	Salmon Habitat Protection and Restoration	$52,748	$0	San Francisco Bay

Project Description

Revegetate riparian corridor along mainstem Tulucay Creek and its unnamed tributaries in order to provide a stable streambank. This will be done through use of a native erosion control seed mix, pioneering willow, and other tree seedlings.

Project Ref	Grantee	Project Name	State
704171	CDFG	Stewart Ranch Habitat Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-01-14-APR-03	Salmon Habitat Protection and Restoration	$26,700	$0	San Francisco Bay

Project Description

Install a series of log, rootwad, and boulder combination structures to increase habitat diversity, complexity and cover within the Stewart Pasture reach of Olema Creek. The work will be performed within the bankfull channel at six sites within the project reach.

Project Ref	Grantee	Project Name	State
704172	CDFG	Sulphur Creek Fishway Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-20-FEB-03	Salmon Habitat Protection and Restoration	$40,208	$0	San Francisco Bay

Project Description

Construct an Alaska Steep-pass fishway to allow adult steelhead to access approximately four miles of suitable spawning and rearing habitat.

Project Ref	Grantee	Project Name	State
704173	CDFG	Eldridge Creek Riparian Canopy Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-18-APR-03	Salmon Habitat Protection and Restoration	$11,006	$0	Northern California Coastal

Project Description

Increase the riparian canopy protecting the creek; create demonstration site for landowners to see two different methods for protecting native riparian canopy from deer browse and antler rubbing; exclusionary fencing to protect natural regeneration of riparian zone.

Project Ref	Grantee	Project Name	State
704174	CDFG	Napa River at Larkmead Streambank Stabilization and Riparian Revegetat	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$45,978	San Francisco Bay

Project Description

Stabilize and revegetate bare, eroded stream banks along Napa River.

Project Ref	Grantee	Project Name	State
704175	CDFG	Randall Slide Stabilization Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-12-MAY-03	Salmon Habitat Protection and Restoration	$163,869	$0	San Francisco Bay

Project Description

Implement streambank and slope stabilization activities to control sediment contributions from a significant source of fine sediment above primary spawning habitat.

Project Ref	Grantee	Project Name	State
704180	CDFG	Indian Creek Restoration Project I	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-26-FEB-03	Salmon Habitat Protection and Restoration	$0	$8,626	Northern California Coastal

Project Description

Rock/willow baffles will be used to stabilize 130 feet of stream bank along Indian Creek. Approximately 150 cubic yards of sediment will be saved from recruitment to the channel. A large volume of sediment in the road prism will be protected from undermining. Rooted vegetation and willow stakes will be planted for stabilization.

Project Ref	Grantee	Project Name	State
704181	CDFG	Indian Creek Restoration Project II	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-26-FEB-03	Salmon Habitat Protection and Restoration	$0	$18,244	Northern California Coastal

Project Description

Stabilize the streambank at four sites to prevent further input of sediment into the channel; collect surface run-off and send outflow through downspout to avoid the slide; terrace and plant one unstable area to establish a stabilizing root system.

Project Ref	Grantee	Project Name	State
704182	CDFG	Healdsburg War Memorial Dam Fish Ladder	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-14-MAR-03	Salmon Habitat Protection and Restoration	$449,991	$0	Northern California Coastal

Project Description

Enable upstream passage of American shad and enhance the passage of other anadromous species (including chinook and coho salmon and steelhead), in the Russian River, at the Healdsburg Dam.. The project consists the installation of 33 feet wide by 174.5 foot long Ice Harbor style fish ladder.

Project Ref	Grantee	Project Name	State
704188	CDFG	South Branch North Fork Navarro River Sediment Control and Road Aban	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-17-DEC-02	Salmon Habitat Protection and Restoration	$0	$133,674	Northern California Coastal

Project Description

Treat sediment sources on the South Branch North Fork Navarro River by upgrading 3 miles of road and abandoning 5.5 miles of stream-side road. Also remove 1 fish passage barrier.

Project Ref	Grantee	Project Name	State
704189	CDFG	Little North Fork Navarro River Watershed Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-13-MAR-03	Salmon Habitat Protection and Restoration	$0	$136,051	Northern California Coastal

Project Description

Reduction/elimination of sediment sources from roads. At a minimum, 2 new culverts, 6 new rolling dips, 60 feet of rip-rapping, and one flat-car bridge will be installed. An unquantified number of features will be removed, strengthened, or otherwise improved.

Project Ref	Grantee	Project Name	State
704193	CDFG	Dutch Bill Creek Fish Habitat Improvement Project #4	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-17-OCT-02	Salmon Habitat Protection and Restoration	$0	$14,262	Northern California Coastal

Project Description

Increase pool cover and frequency through the installation of 3 boulder clusters, 5 cover logs, 1 rock weir in riffle habitat.

Project Ref	Grantee	Project Name	State
704200	CDFG	Parsons Creek Riparian Corridor Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-12-MAY-03	Salmon Habitat Protection and Restoration	$50,654	$0	Northern California Coastal

Project Description

To restore the riparian corridor of Parsons Creek by excluding native and domestic herbivores, and by planting and irrigating woody riparian species. This will increase canopy cover for the creek, lower water temperature, stabilize stream banks, promote the deposition of fine sediment on the floodplain and, through time, contribute large woody debris to the stream.

Project Ref	Grantee	Project Name	State
704201	CDFG	Basins of Relations: Creating Community Watershed Groups	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-28-OCT-02	Salmon Habitat Protection and Restoration	$0	$19,210	Northern California Coastal

Project Description

The "Basins of Relations" program will improve the health of Sonoma County watersheds through increasing citizen awareness and involvement in habitat restoration; facilitate ongoing activities including watershed system planning, research and monitoring, community education and hands-on salmonid habitat restoration projects.

Project Ref	Grantee	Project Name	State
704204	CDFG	Fay Creek Pool Habitat Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-03-DEC-02	Salmon Habitat Protection and Restoration	$21,106	$0	Northern California Coastal

Project Description

Create deep pools and increase stream complexity by installing a total of 6 cover scour logs, 1 fish ladder modification, 10 rock weirs, 2 complex log structures and 5 rock check dams on three separate sites.

Project Ref	Grantee	Project Name	State
704205	CDFG	Mission Creek Pool Habitat Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$11,580	Northern California Coastal

Project Description

Create and enhance deep pools.

Project Ref	Grantee	Project Name	State
704206	CDFG	Dutch Bill Creek Pool Habitat Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-14-JAN-03	Salmon Habitat Protection and Restoration	$0	$22,400	Northern California Coastal

Project Description

Create and enhance deep pools with the installation of 10 complex log structures and 7 rock weirs.

Project Ref	Grantee	Project Name	State
704209	CDFG	Irrigation for Restoration Projects	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-02-DEC-02	Salmon Habitat Protection and Restoration	$0	$14,565	Northern California Coastal

Project Description

Irrigate new and existing bioengineering restoration projects and native vegetation planting sites along streams. The irrigation system would be mobile so that many restoration sites could benefit. The restoration sites, when properly watered, will increase the chance of survival of plants and bioengineering sites which will provide shade to the stream and bank stability.

Project Ref	Grantee	Project Name	State
704213	CDFG	Gazos Creek Uplands Erosion Control Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$100,000	Central California Coastal

Project Description

Control severe erosion problems in gullies and eroding channels to reduce sediment and restore more natural flow pattern on 400-acre section of Gazos Creek uplands. Treatment measures include runoff management measures, gully headcut control measures, channel erosion control measures, treatments for soil piping problems, and other miscellaneous erosion control measures.

Project Ref	Grantee	Project Name	State
704214	CDFG	McNab Ranch Road Erosion Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$21,444	Northern California Coastal

Project Description

Develop a comprehensive assessment of sediment sources associated with the main road network within the McNab Creek Watershed and portions of the Feliz Creek and Robinson Creek Watersheds, and to develop site-specific plans for treating these sediment sources.

Project Ref	Grantee	Project Name	State
704215	CDFG	Hobson Creek Sediment Source Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-14-JAN-03	Salmon Habitat Protection and Restoration	$0	$12,674	Northern California Coastal

Project Description

Complete an inventory along 14 miles of road system within the Hobson Creek watershed, that will identify and detail cost-effective erosion prevention and control projects that can be undertaken to reduce the risk of future erosion and sediment delivery into Hobson Creek and its tributaries.

Project Ref	Grantee	Project Name	State
704216	CDFG	Adobe Creek Fish Passage Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$16,400	San Francisco Bay

Project Description

Provide fish passage through an existing culvert under Old Adobe Road through installation of baffle system that will decrease winter high-flow velocities and increase depth during summer low-flows.

Project Ref	Grantee	Project Name	State
704219	CDFG	Mumford Dam Fish Passage and Riparian Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-21-APR-03	Salmon Habitat Protection and Restoration	$97,375	$237,879	Northern California Coastal

Project Description

Provide fish passage over the Mumford Dam and restore 720 feet of adjacent stream bank. Passage will be facilitated through installation of a series of eight or nine cross-vane boulder weirs; adjacent stream banks will be regraded to a stable profile and stabilized with bioengineered structures, geotextile fabrics, native plantings and rock. The proposed project will restore access to approximately 45 miles of spawning and rearing habitat by creating a pool-riffle fishway over the failing dam.

Project Ref	Grantee	Project Name	State
704220	CDFG	Upper San Luis Obispo Creek Dam Removal	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-21-MAR-03	Salmon Habitat Protection and Restoration	$241,943	$0	Central California Coastal

Project Description

Restore steelhead access to approximately 1 1/2 miles of instream habitat by the removal of a non-functional water diversion dam, and restoring the original stream gradient.

Project Ref	Grantee	Project Name	State
704224	CDFG	Carmel River Instream Habitat Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$52,622	Central California Coastal

Project Description

Provide shade and cover for aquatic species over a wide range of flows through installation of large woody debris and riparian plantings.

Project Ref	Grantee	Project Name	State
704226	CDFG	Steelhead Fish Passage Barrier Remediation on Stevens Creek, Santa Cl	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-24-FEB-03	Salmon Habitat Protection and Restoration	$0	$167,360	San Francisco Bay

Project Description

Improve upstream and downstream migration for steelhead on Stevens Creek through construction of passage facilities at Stream Gauge 35, an existing passage impediment. This will reduce migrational delays and increase survival rates.

Project Ref	Grantee	Project Name	State
704229	CDFG	Walker Creek Watershed Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-31-MAR-03	Salmon Habitat Protection and Restoration	$38,443	$111,551	San Francisco Bay

Project Description

To restore steelhead and salmon populations in the Walker Creek watershed using riparian fencing, native plant revegetation, alternate water sources, and biotechnical/rock erosion control methods.

Project Ref	Grantee	Project Name	State
704232	CDFG	Ten Mile Road Waterborne Sediment Reduction	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-01-22-APR-03	Salmon Habitat Protection and Restoration	$48,398	$0	Northern California Coastal

Project Description

Greatly reduce volume of sediment into the upper reaches of the Garcia River by reconfiguring the unpaved roadway (e.g., rolling dips, gentle outslopes, etc.) on 1.85 miles of Ten Mile Road, CR 506.

Project Ref	Grantee	Project Name	State
704234	CDFG	Covelo Empire Road Inventory	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-19-AUG-02	Salmon Habitat Protection and Restoration	$0	$69,120	Northern California Coastal

Project Description

Conduct a road inventory to obtain a database of sediment sources and chronic non-point source erosion problems on the active and abandoned road network. Following this, restoration sites will be identified and prioritized for action implementation.

Project Ref	Grantee	Project Name	State
704235	CDFG	Crocker Creek Dam Removal Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-21-APR-03	Salmon Habitat Protection and Restoration	$0	$171,909	Northern California Coastal

Project Description

Restore fish passage to Crocker Creek and stabilize adjacent stream banks. Passage will be facilitated through removal of portions of the Crocker Creek Dam and the installation of a series of weirs; adjacent stream banks will be regraded to a stable profile and stabilized with bioengineered structures, geotextile fabrics, native plantings and rock.

Project Ref	Grantee	Project Name	State
704236	CDFG	Southern Steelhead Survey of the Topanga Creek Watershed	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-21-MAR-03	Salmon Habitat Protection and Restoration	$0	$2,428	Ventura-San Gabriel Coastal

Project Description

Conduct a comprehensive baseline evaluation of Topanga Creek in order to identify potential limiting factors for the recently documented steelhead population, develop specific recommendations for restoration actions within a long term, coordinated watershed planning and management process led by the Topanga Watershed Committee.

Project Ref	Grantee	Project Name	State
704242	CDFG	Upper Thompson Creek Road Rehabilitation, Phase 2	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-28-MAR-03	Salmon Habitat Protection and Restoration	$0	$31,010	Northern California Coastal

Project Description

Eliminate or mitigate chronic sedimentation from roads, and road-related streambank failures, in the upper basin. This project will address the highest priority restoration needs in the Thompson Creek sub-basin through road drainage improvements, armoring and/or excavation of tributary channels and inboard ditches, culvert inlet armoring, bridge installation, and streambank stabilization.

Project Ref	Grantee	Project Name	State
704245	CDFG	Farley Creek Culvert Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-11-DEC-02	Salmon Habitat Protection and Restoration	$0	$4,462	Northern California Coastal

Project Description

Reduce current erosion and prevent future erosion into Farley Creek and Little Larabee Creek by replacing an undersized culvert with an appropriately sized culvert.

Project Ref	Grantee	Project Name	State
704246	CDFG	Chamise Creek Erosion Control Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-06-NOV-01	Salmon Habitat Protection and Restoration	$0	$10,699	Northern California Coastal

Project Description

Reduce current erosion and prevent future erosion, from this rural road by installing properly sized culverts at two sites and re-contouring the road surface to include outsloping, and the addition of three rolling dips.

Project Ref	Grantee	Project Name	State
704247	CDFG	Cummings Creek Instructional Instream Structures Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-16-NOV-01	Salmon Habitat Protection and Restoration	$0	$27,182	Northern California Coastal

Project Description

To place instream structures along the Cummings Creek Interpretive Trail, for instructional and stream enhancement purposes.

Project Ref	Grantee	Project Name	State
704248	CDFG	Kay Creek Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-17-APR-03	Salmon Habitat Protection and Restoration	$0	$44,381	Northern California Coastal

Project Description

Improve spawning habitat for Chinook salmon and spawning and rearing habitat for steelhead. This will be accomplished by reconstructing the lower 1,000 feet of Kay Creek in its historic channel. Fencing will be established at 50 feet from the centerline of the creek to assure protection for the emerging bottomland riparian system.

Project Ref	Grantee	Project Name	State
704249	CDFG	Connick Creek Stream Restoration Project #1	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-17-APR-03	Salmon Habitat Protection and Restoration	$0	$7,684	Northern California Coastal

Project Description

To improve spawning and rearing habitat for Chinook salmon and steelhead trout. This will be accomplished by adding habitat and scour along a 1500 foot section of Connick Creek, a tributary to the South Fork Eel River. The project will include installing twelve simple instream scour structures; revegetating the project are with 2000 willow and alder seedlings.

Project Ref	Grantee	Project Name	State
704250	CDFG	Salmon Creek Watershed Assessment 2001	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-14-APR-03	Salmon Habitat Protection and Restoration	$0	$77,440	Northern California Coastal

Project Description

Continue the development of a comprehensive integrated watershed plan that started in 1999. This proposal would conduct field based surveys of an additional 37% of the watershed (not included in original proposal), and also includes a riparian assessment of approximately 30% of the watershed and 40% of the Class I and II streams in the watershed.

Project Ref	Grantee	Project Name	State
704254	CDFG	South Fork Tom Long Creek Instream Habitat	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$58,166	Northern California Coastal

Project Description

Reduce a major source of sedimentation along a 1400 foot instream section by removing a crossing, outsloping the streambank, installing rip-rap and instream structures, and revegetating the project area.

Project Ref	Grantee	Project Name	State
704259	CDFG	Salmon Creek Watershed Restoration Project/Streambank Stabilization/S	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$82,170	Northern California Coastal

Project Description

Stabilize approximately 4550 linear feet of stream banks at 27 sites currently delivering sediment into Class I or II streams. Protection measures include rock armoring, bioengineered structures, plantings and removal of potential sediment.

Project Ref	Grantee	Project Name	State
704260	CDFG	Salmon Creek Watershed Restoration Project 2001-2/Lower Salmon Cree	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-27-JUN-02	Salmon Habitat Protection and Restoration	$98,945	$0	Northern California Coastal

Project Description

This project will stabilize approximately 2,500 linear feet of stream, provide large woody debris structure for salmonid habitat, and greatly enhance riparian cover in lower Salmon Creek.

Project Ref	Grantee	Project Name	State
704261	CDFG	Salmon Creek Watershed Restoration Project 2001-1/Lower Salmon Cree	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-31-MAR-03	Salmon Habitat Protection and Restoration	$59,993	$0	Northern California Coastal

Project Description

Stabilize 2 large slides; overburdened slide material will be removed and the currently unprotected streambank at the toe of the slides will be armored. 510 linear feet will be treated.

Project Ref	Grantee	Project Name	State
704262	CDFG	Redwood Creek Bank Stabilization and Habitat Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-30-NOV-01	Salmon Habitat Protection and Restoration	$0	$21,096	Northern California Coastal

Project Description

Stabilize eroding banks associated with a large slide, stabilize the migrating channel of Redwood Creek at the base of the slide, maintain and improve pool habitat in this stream segment, and revegetate the site.

Project Ref	Grantee	Project Name	State
704263	CDFG	Blue Goo Slide Stabilization Project, Phase 3	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-20-MAR-03	Salmon Habitat Protection and Restoration	$0	$11,459	Northern California Coastal

Project Description

Excavate 5000 to 8000 cubic yards of sediment from catch basins at the base of a slide, to realign the slide's drainage, to construct a boulder overflow channel, to construct several check dams, and to revegetate the site.

Project Ref	Grantee	Project Name	State
704265	CDFG	Leggett Creek Barrier Modification Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-20-MAR-03	Salmon Habitat Protection and Restoration	$24,506	$8,491	Northern California Coastal

Project Description

Provide fish passage by modifying two large log jams on Leggett Creek.

Project Ref	Grantee	Project Name	State
704268	CDFG	Wolverton Creek 2001	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-31-MAR-03	Salmon Habitat Protection and Restoration	$63,357	$0	Northern California Coastal

Project Description

Restore summer stream flows and salmonid habitat, and prevent excessive sedimentation on 1780 feet of Wolverton Creek and 300 feet of Barber Creek by placement of stock water, exclusion and control fencing; upgrade two impacted livestock fords to a permanent earthen and concrete arch culvert; slope and armor active erosion sites and 84,900 square feet of proposed riparian buffer exclusion in preparation for revegetation.

Project Ref	Grantee	Project Name	State
704269	CDFG	Three Creek Revegetation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-31-MAR-03	Salmon Habitat Protection and Restoration	$6,331	$0	Northern California Coastal

Project Description

Restore summer stream flows and salmonid habitat, and prevent excessive sedimentation by planting indigenous riparian vegetation.

Project Ref	Grantee	Project Name	State
704271	CDFG	Burns, Slide, and Panther Creek Watershed Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-18-APR-03	Salmon Habitat Protection and Restoration	$0	$10,498	Northern California Coastal

Project Description

Inventory, map, and assess roads in the Burns, Slide, and Panther Creek sub-watersheds of Bull Creek. This project will enable State Parks to assess prioritize, and fund watershed rehabilitation resulting in improved habitat for Coho and Chinook salmon and Steelhead.

Project Ref	Grantee	Project Name	State
704273	CDFG	Box Canyon Creek Stream Restoration Project #1	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-16-APR-03	Salmon Habitat Protection and Restoration	$3,375	$0	Northern California Coastal

Project Description

Decrease fine sediment load and improve rearing habitat for juvenile steelhead. This will be accomplished by recruiting available large wood into the stream and placing it in a manner that will enhance pool shelter; rip-rap, resloping, and revegetation will stabilize banks.

Project Ref	Grantee	Project Name	State
704274	CDFG	Black Dog Creek Stream Crossing Removal Project 1	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-16-APR-03	Salmon Habitat Protection and Restoration	$4,650	$0	Northern California Coastal

Project Description

Reduce a potential source of sedimentation from the upper reach of Black Dog Creek. The project will include removing approximately 200 cubic yards of fill material from an old, unstable stream crossing, resloping the stream banks and restoring the stream channel to its historic configuration and dimensions; add ten yards of quarried boulder for bank protection; revegetate with willow and alder.

Project Ref	Grantee	Project Name	State
704275	CDFG	Skyline Pipe Arch and Sediment Reduction Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-31-MAR-03	Salmon Habitat Protection and Restoration	$22,636	$0	Northern California Coastal

Project Description

Eliminate one barrier that will open up 1/2 mile of salmonid habitat. Sediment input will be reduced by grade control structures, elimination of inboard ditch, bank stabilization and fill slope stabilization; sediment slug will be removed and the associated undersized culvert will be upgraded.

Project Ref	Grantee	Project Name	State
704276	CDFG	South Dobbyn Creek/Alderpoint Road Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-16-APR-03	Salmon Habitat Protection and Restoration	$50,232	$0	Northern California Coastal

Project Description

Reduce major sediment source and bank erosion along a quarter mile section of South Dobbyn Creek. This will include boulder armor, wing deflectors, boulder clusters; recontouring upslope area; revegetation.

Project Ref	Grantee	Project Name	State
704279	CDFG	Mattole Salmonid Population Trend Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-31-MAR-03	Salmon Habitat Protection and Restoration	$13,067	$0	Northern California Coastal

Project Description

To ascertain salmonid population trends in the Mattole River. This will be accomplished through spawning ground surveys, downstream migrant trapping and direct underwater observations.

Project Ref	Grantee	Project Name	State
704286	CDFG	Willow Creek Anadromous Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$24,970	Klamath

Project Description

Continue to monitor Chinook/Coho adult spawning escapement to provide feedback on past instream watershed restoration work that has benefited Chinook. Continue to monitor juvenile anadromous downstream migrants for the same reasons.

Project Ref	Grantee	Project Name	State
704288	CDFG	Napa County Watershed Academies	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-APR-01-28-APR-03	Salmon Habitat Protection and Restoration	$0	$53,000	San Francisco Bay

Project Description

Plan and present up to 4 locally based and oriented Watershed Academies within Napa County.

Project Ref	Grantee	Project Name	State
704290	CDFG	Alder Creek Livestock Exclusion Fencing and Riparian Enhancement Proje	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-28-OCT-02	Salmon Habitat Protection and Restoration	$0	$29,740	Northern California Coastal

Project Description

Enhance salmonid habitat in a 3000 foot section of Alder Creek by constructing a fence along both banks to limit cattle access and plant native species, which would control erosion and increase canopy in the riparian zone.

Project Ref	Grantee	Project Name	State
704294	CDFG	Mill Creek Culvert Replacement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-31-MAR-03	Salmon Habitat Protection and Restoration	$297,360	$0	Northern California Coastal

Project Description

Provide access to approximately 1.3 miles of potential anadromous fish habitat by replacing a culvert with a structure that will allow passage for adult and juvenile salmonids.

Project Ref	Grantee	Project Name	State
704296	CDFG	East Mill Creek Culvert Replacement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-31-MAR-03	Salmon Habitat Protection and Restoration	$297,360	$0	Northern California Coastal

Project Description

Provide access to approximately 2.6 miles of potential anadromous fish habitat by replacing an undersized, steep gradient culvert with a structure that will not be a barrier to adult and juvenile salmonids.

Project Ref	Grantee	Project Name	State
704301	CDFG	Hollow Tree Creek Hatchery	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$25,000	Northern California Coastal

Project Description

Trap and spawn up to 100 female and 100 male Chinook salmon in order to obtain, incubate and rear a maximum of 250,000 fingerlings for release into Hollow Tree Creek and the Eel River system.

Project Ref	Grantee	Project Name	State
704302	CDFG	Humboldt Bay Salmon Enhancement and Monitoring Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-31-AUG-02	Salmon Habitat Protection and Restoration	$0	$30,000	Northern California Coastal

Project Description

To enhance and augment the Chinook Salmon population on Freshwater Creek. Up to 60,000 eggs will be taken, smolts will be released into Freshwater Creek and its tributaries.

Project Ref	Grantee	Project Name	State
704303	CDFG	Mainstem Eel River Group Organizational Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-01-APR-03	Salmon Habitat Protection and Restoration	$0	$28,678	Northern California Coastal

Project Description

This project will create 3 part-time watershed coordinator positions within the Mainstem Eel River Group.

Project Ref	Grantee	Project Name	State
704305	CDFG	DFG Adaptive Watershed Improvement Teams Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-23-MAY-03	Salmon Habitat Protection and Restoration	$0	$676,853	San Joaquin

Project Description

To establish an efficient DFG led process that will implement coast wide all Restoration Program RFP categories except PI and RP in an adaptive, responsive, needs driven program. The program will function with existing and redirected staff and if successful, will serve as a pilot program and a source of experience and information to improve upon the current DFG Fishery Restoration Program and to help create a more efficient RFP management process.

Project Ref	Grantee	Project Name	State
704308	CDFG	Larabee Creek Corridor Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-16-APR-03	Salmon Habitat Protection and Restoration	$0	$36,124	Northern California Coastal

Project Description

The objective is to improve spawning for Chinook and spawning and rearing habitat for steelhead. This will be accomplished by creating a variety of instream repairs along a 1.2 mile reach of Larabee Creek.

Project Ref	Grantee	Project Name	State
704059	CDFG	Merrill Creek Barrier Removal Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-AUG-00-15-OCT-02	Salmon Habitat Protection and Restoration	$300,000	$0	Klamath

Project Description

Remove a six foot high jump at the outfall of a culvert by replacing it with a bridge. This will allow natural bottom fish passage to critical habitat above.

Project Ref	Grantee	Project Name	State
704060	CDFG	Los Osos Creek/Morrissey Property Stream Habitat Restoration Project Ph	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-31-MAR-03	Salmon Habitat Protection and Restoration	$25,878	$0	Central California Coastal

Project Description

Reduce sediment sources by protecting toes of slopes and re-establishing streambank vegetation along a reach that has been adversely impacted by strong winter storms in recent years.

Project Ref	Grantee	Project Name	State
704061	CDFG	Low Flow Fish Passage Improvements in the Carmel River Watershed	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-13-MAY-03	Salmon Habitat Protection and Restoration	$14,807	$0	Central California Coastal

Project Description

Improve physical conditions for the upstream and downstream migration of adult steelhead in the mainstem of the Carmel River. The modifications will result in deeper and/or slower water through locations where the existing physical conditions do not meet design criteria for upstream migration.

Project Ref	Grantee	Project Name	State
704065	CDFG	Inflow Bypass-Rancho San Clemente Creek Reservoir	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-16-APR-03	Salmon Habitat Protection and Restoration	$5,642	$0	Central California Coastal

Project Description

Reconstruct the release works at Rancho San Clemente Creek Reservoir to increase stream flow in San Clemente Creek and to facilitate the filling and emptying of RSCCR during the spring and late fall.

Project Ref	Grantee	Project Name	State
704066	CDFG	Chorro Flats Instream Habitat Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-25-MAR-02	Salmon Habitat Protection and Restoration	$46,209	$0	Central California Coastal

Project Description

Improve steelhead trout summer rearing habitat by installing root wads, boulder clusters, and wing deflectors to increase the number and depth of pools in a 2700 foot section of Chorro Creek located within the Chorro Flats Enhancement Project.

Project Ref	Grantee	Project Name	State
704067	CDFG	Grizzly Creek Salmon Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-23-OCT-02	Salmon Habitat Protection and Restoration	$0	$68,033	Northern California Coastal

Project Description

Improve salmonid spawning and rearing habitat through the installation of large wood and boulder structures to trap gravel and build pool habitat.

Project Ref	Grantee	Project Name	State
704068	CDFG	Bull Creek Revegetation and Channel Stabilization/Grizzly Creek Instream	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-31-MAR-03	Salmon Habitat Protection and Restoration	$157,930	$0	Northern California Coastal

Project Description

Beginning approximately 5 miles above the confluence with the South Fork Eel River and continuing upstream approximately 3 miles to the confluence with Burns Creek; stabilize approximately 2,200' of vertical eroding streambank at various sites within the reach. Treatments include planting willows, other riparian plantings, resloping the streambank, bio-engineering, and willow bundles.

Project Ref	Grantee	Project Name	State
704069	CDFG	Cloverdale Road Roadside Ditches Upgrade	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-20-FEB-02	Salmon Habitat Protection and Restoration	$15,500	$0	Central California Coastal

Project Description

Reduce or eliminate sedimentation into salmonid fisheries via upgrading the roadside drainage ditches on the tributary to Gazos Creek below Old Woman's Creek.

Project Ref	Grantee	Project Name	State
704310	CDFG	Perched Culvert Fish barrier Removal/Bridge Replacement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-16-APR-03	Salmon Habitat Protection and Restoration	$0	$5,380	Central California Coastal

Project Description

Restore fish passage by removing perched culvert and replacing it with a flatcar bridge.

Project Ref	Grantee	Project Name	State
704311	CDFG	Building Public, Agency, and Landowner Support for Restoration of the Sa	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-08-APR-03	Salmon Habitat Protection and Restoration	$0	$26,185	Central California Coastal

Project Description

To generate public, agency, and landowner support for the upcoming development of a watershed plan for the Santa Rosa Creek watershed; to prepare potential participants in the planning process with an understanding of the human activities responsible for the failure of steelhead to recover in the creek; methods of protecting, enhancing, and restoring the watershed.

Project Ref	Grantee	Project Name	State
704313	CDFG	Steelhead Coalition Outreach: Landowner and Agency Action for Steelhea	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-24-MAR-03	Salmon Habitat Protection and Restoration	$0	$12,505	Central California Coastal

Project Description

Coordinate and enhance Steelhead recovery efforts throughout San Luis Obispo County through coordinated actions involving agencies, landowners and non-profits.

Project Ref	Grantee	Project Name	State
704325	CDFG	Kings Creek Concrete Removal	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-20-FEB-03	Salmon Habitat Protection and Restoration	$45,405	$0	Central California Coastal

Project Description

Removal of large concrete debris in creek, which is causing significant streambank erosion and downstream siltation. Disturbed banks will be revegetated with native riparian species.

Project Ref	Grantee	Project Name	State
704326	CDFG	Upper Gazos Creek Road Upgrade	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-17-APR-03	Salmon Habitat Protection and Restoration	$0	$110,500	Central California Coastal

Project Description

Upgrade approximately 2 miles of unpaved road to improve drainage, including outsloping, construction of rolling dips or water bars, removal of earthen berms, and culvert improvements to reduce/eliminate sedimentation.

Project Ref	Grantee	Project Name	State
704328	CDFG	Willits Creek Salmonid Spawning Habitat Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-31-MAR-03	Salmon Habitat Protection and Restoration	$17,205	$0	Northern California Coastal

Project Description

Restore portions of 5,765 foot section of Willits Creek by installing gravel beds, six vortex weirs, significant bank stabilizing, and riparian vegetation; beginning at the former Summer Lake Dam and extending to the Lake Emily spillway.

Project Ref	Grantee	Project Name	State
704330	CDFG	Forsythe Creek Riparian Restoration Proposal	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-31-MAR-03	Salmon Habitat Protection and Restoration	$44,154	$0	Northern California Coastal

Project Description

To stabilize and revegetate critical bare and vertical banks along Forsythe Creek using bioengineered structures.

Project Ref	Grantee	Project Name	State
704332	CDFG	Grist Creek Fencing and Riparian Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-21-JAN-03	Salmon Habitat Protection and Restoration	$0	$20,054	Northern California Coastal

Project Description

Assist private landowners with upgrading and/or constructing new fencing along portions of Grist Creek where livestock are present. This will remove the pressures of livestock grazing and trampling to decrease physical soil compaction and bank shearing of hoof action, to protect riparian communities from over grazing, and to replant indigenous riparian species to promote recolonization by native species.

Project Ref	Grantee	Project Name	State
704334	CDFG	McCoy Creek Instream Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-07-APR-03	Salmon Habitat Protection and Restoration	$0	$20,451	Northern California Coastal

Project Description

Stop or reduce a major slide's continued threat of excessive erosion into the salmonid bearing McCoy Creek; redirect the creek into its natural mid-channel bed to reclaim steelhead habitat structure; move the creek channel away from the toe of the slide to decrease its chances of blocking access to the spawning grounds.

Project Ref	Grantee	Project Name	State
704335	CDFG	Salmon Creek Fish Habitat Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	31-MAR-01-26-FEB-03	Salmon Habitat Protection and Restoration	$0	$34,086	Northern California Coastal

Project Description

Install 5,600 feet of riparian corridor fencing to eliminate in-stream livestock grazing; 260 feet of stream bank will be revegetated. This project will result in reduced sediment input, increase riparian canopy, and serve as a model.

Project Ref	Grantee	Project Name	State
704336	CDFG	Riparian Restoration: Green Valley Creek	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-16-APR-03	Salmon Habitat Protection and Restoration	$0	$16,917	Northern California Coastal

Project Description

Riparian corridor restoration to improve riparian habitat through expanded riparian plantings, removal and conversion of exotic vegetation, and long term stream bank stability with native woody plants.

Project Ref	Grantee	Project Name	State
704338	CDFG	Gualala River Wood In the Stream Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-17-APR-03	Salmon Habitat Protection and Restoration	$0	$15,461	Northern California Coastal

Project Description

Introduce woody debris at 11 sites to create pools and cover habitat for Coho salmon and steelhead, by installing non-merchantable logs into the streams.

Project Ref	Grantee	Project Name	State
704340	CDFG	South Fork Smith River Road Decommissioning	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-14-APR-03	Salmon Habitat Protection and Restoration	$0	$111,700	Northern California Coastal

Project Description

Maintain and enhance the existing stocks of anadromous species in South Fork Smith through protecting suitable spawning and rearing habitat from upslope sources of fine sediments. This project will decommission 5.3 miles of Forest Service roads that have been identified as a chronic sediment source to Jones and Buck Creeks.

Project Ref	Grantee	Project Name	State
704345	CDFG	Shackleford/Mill Water Quality Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	02-MAY-01-30-MAY-03	Salmon Habitat Protection and Restoration	$0	$62,929	Klamath

Project Description

Improve and protect water quality of Mill and Shackleford Creek by providing fish friendly crossings and diversion takeout structures; Install a tail water return system which will eliminate tail water during late spring and summer/fall and act as a settling pond for runoff during the winter, spring.

Project Ref	Grantee	Project Name	State
704348	CDFG	Redwood Creek Watershed Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-APR-01-05-MAR-03	Salmon Habitat Protection and Restoration	$0	$195,461	Northern California Coastal

Project Description

Protect and restore salmonid habitat through implementation of prioritized road decommissioning, erosion control and erosion prevention work in the Redwood Creek watershed.

Project Ref	Grantee	Project Name	State
704351	CDFG	Scott River Enhancement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	30-MAY-01-08-MAY-03	Salmon Habitat Protection and Restoration	$0	$52,067	Klamath

Project Description

Improve fish habitat by installing bank stabilization/instream structures along an eroding bank. Improve and expand riparian area by planting 11 acres of riparian trees with the intention of trapping sediment and confining the channel. Planting funded by USFWS.

Project Ref	Grantee	Project Name	State
704353	CDFG	Salmon Creek Watershed Improvement Project II	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-30-APR-03	Salmon Habitat Protection and Restoration	$0	$260,140	Northern California Coastal

Project Description

Protect and restore salmonid habitat through implementation of prioritized road decommissioning, erosion control and erosion prevention in the upper Salmon Creek watershed.

Project Ref	Grantee	Project Name	State
704354	CDFG	Hunter Creek Stream Bank Stabilization Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-09-APR-03	Salmon Habitat Protection and Restoration	$26,927	$0	Klamath

Project Description

Improve fish habitat along 350 feet of cut bank on Hunter Creek by installing 8 instream structures to provide cover complexity and improved bank stability. Plant native vegetation to include willow, alder and conifers to restore riparian habitat within project reach.

Project Ref	Grantee	Project Name	State
704356	CDFG	Rowdy Creek Watershed Road Decommissioning and Erosion Prevention	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-25-APR-03	Salmon Habitat Protection and Restoration	$0	$246,326	Northern California Coastal

Project Description

Protect and restore salmonid habitat through implementation of prioritized road decommissioning, erosion control and erosion prevention work in the Rowdy Creek watershed.

Project Ref	Grantee	Project Name	State
704357	CDFG	Finley Ranch Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-MAY-01-06-MAY-03	Salmon Habitat Protection and Restoration	$0	$32,110	Klamath

Project Description

Install bank stabilization/instream structures along an eroding bank on the outside of a meander on the Scott River; improve riparian area by planting trees to develop overstory.

Project Ref	Grantee	Project Name	State
704359	CDFG	Jordon Creek Barrier Modification Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-15-APR-03	Salmon Habitat Protection and Restoration	$0	$44,282	Northern California Coastal

Project Description

Improve salmonid fish passage on Jordan Creek by removing one undersized culvert crossing. Purchase one rail car to replace removed culvert stream crossing. Plant native vegetation to include willow, alder and conifers to restore riparian habitat within said project reach.

Project Ref	Grantee	Project Name	State
704360	CDFG	Little River Watershed Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-10-APR-03	Salmon Habitat Protection and Restoration	$0	$166,370	Northern California Coastal

Project Description

Protect and restore salmonid habitat through implementation of prioritized road decommissioning, erosion control and erosion prevention work in the Little River watershed.

Project Ref	Grantee	Project Name	State
704362	CDFG	Kuck Ranch Riparian Livestock Exclusion Fence Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-MAY-01-23-APR-03	Salmon Habitat Protection and Restoration	$0	$46,930	Klamath

Project Description

To rebuild the riparian zone by building an exclusion fence.

Project Ref	Grantee	Project Name	State
704363	CDFG	McCready Gulch Fish Passage-Barrier Removal Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-MAY-01-30-APR-03	Salmon Habitat Protection and Restoration	$114,903	$0	Northern California Coastal

Project Description

Remove barriers to fish migration on McCready Gulch, consisting of a box culvert and two instream weirs. This will open approximately 9,000 feet of stream habitat for utilization by juvenile Coho salmon, steelhead trout, and cutthroat trout.

Project Ref	Grantee	Project Name	State
704365	CDFG	West Branch Mill Creek Instream Habitat Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$15,272	Northern California Coastal

Project Description

Enhance salmon and steelhead rearing habitat through the installation of several complex and simple instream structures.

Project Ref	Grantee	Project Name	State
704366	CDFG	Rice Ranch Riparian Livestock Exclusion Fence Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-09-MAY-03	Salmon Habitat Protection and Restoration	$0	$16,237	Klamath

Project Description

Build approximately 3600 feet of cattle exclusion fence around the riparian corridor.

Project Ref	Grantee	Project Name	State
704367	CDFG	Scott River Fish Screening Program II	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-MAY-01-08-MAY-03	Salmon Habitat Protection and Restoration	$0	$77,553	Klamath

Project Description

Prevent loss of juvenile salmon and steelhead from diversion ditches located by installing four self-cleaning fish screens within the Scott River watershed.

Project Ref	Grantee	Project Name	State
704370	CDFG	South Fork Trinity River Coordinated Resource Management Planning Coo	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-30-APR-03	Salmon Habitat Protection and Restoration	$0	$50,260	Klamath

Project Description

Organizational support for South Fork Trinity River Coordinated Resource Management Planning, which provides resource management planning coordination, outreach, and assistance to individuals, private agencies and foundations.

Project Ref	Grantee	Project Name	State
704372	CDFG	Mettah Creek Watershed Assessment Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-24-MAR-03	Salmon Habitat Protection and Restoration	$0	$91,205	Klamath

Project Description

Watershed assessment to focus on sediment sources, prioritize project sites, make recommendations for restoration treatments.

Project Ref	Grantee	Project Name	State
704373	CDFG	Etna Road Erosion Inventory	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-07-MAY-03	Salmon Habitat Protection and Restoration	$0	$49,224	Klamath

Project Description

Conduct watershed analysis and planning for restoration treatment projects. Map entire road network and inventory sediment sources; create landslide history map; GIS database to record findings; erosion prevention plan will be developed, and organized.

Project Ref	Grantee	Project Name	State
704375	CDFG	Data Management for Road Assessment and Erosion Prevention Planning	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-03-APR-03	Salmon Habitat Protection and Restoration	$0	$58,658	Northern California Coastal

Project Description

Secure funds for the continued employment of a technician for data management for two project areas covering 32000 acres of the upper Redwood Creek basin. Work to be completed includes data entry, GIS database management, quality control and data reports with treatment priorities outlined.

Project Ref	Grantee	Project Name	State
704377	CDFG	Trinity River Bridge Replacements	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-09-MAY-03	Salmon Habitat Protection and Restoration	$0	$350,000	Klamath

Project Description

Subcontract final design and construction tasks for replacement of four bridges across the Trinity River to permit implementation of flow regime prescribed for fishery restoration.

Project Ref	Grantee	Project Name	State
704380	CDFG	South Fork Trinity River Water Quality Monitoring Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-30-MAY-03	Salmon Habitat Protection and Restoration	$0	$112,290	Klamath

Project Description

Collect information necessary to help landowners work towards meeting the TMDL indicator targets in order to reduce sediment and improve habitat conditions through an adaptive management process. Data collected over a 2 year period includes trend data for water temperature, channel form and structure recovery, and substrate and sediment distribution trends.

Project Ref	Grantee	Project Name	State
704381	CDFG	South Fork Winchuck River Watershed Inventory and Restoration Plannin	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-06-MAR-03	Salmon Habitat Protection and Restoration	$0	$90,848	Southern Oregon Coastal

Project Description

Reduce impacts to and restore salmonid habitat through development of a site specific and prioritized plan for erosion prevention and habitat restoration in the 7,860 acre portion of South Fork Winchuck River watershed.

Project Ref	Grantee	Project Name	State
704382	CDFG	Young's Dam Fish Ladder Design and Construction Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-15-MAR-03	Salmon Habitat Protection and Restoration	$32,226	$17,771	Klamath

Project Description

Allow increased fish passage in the fall of the year to the anadromous fish returning to the upper Scott River by constructing a fish ladder at Young's Dam.

Project Ref	Grantee	Project Name	State
704386	CDFG	Sugar Creek Flow Enhancement through Diversion Piping (Feasibility Stud	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-01-07-MAY-03	Salmon Habitat Protection and Restoration	$0	$21,322	Klamath

Project Description

Increase spring, summer, and fall instream flows most years in Sugar Creek by at least 5 cubic feet per second by decreasing the amount of water diverted for agricultural use by four diversions (increased efficiency in transmission).

Project Ref	Grantee	Project Name	State
704387	CDFG	FY01 Walker Creek Decommissioning	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-01-24-APR-03	Salmon Habitat Protection and Restoration	$0	$230,855	Klamath

Project Description

To prevent future chronic and episodic delivery of road-related sediment to anadromous fish habitat from 19.3 miles of Forest road within the Walker Creek. This will be accomplished by decommissioning roads.

Project Ref	Grantee	Project Name	State
704389	CDFG	Shasta CRMP Assistance	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$25,430	Klamath

Project Description

Assist local Watershed Group to restore anadromous fish productivity in the Shasta River through watershed restoration and community education activities.

Project Ref	Grantee	Project Name	State
704394	CDFG	Coordination of the Watershed Education Programs in the Three Salmon	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-01-14-APR-03	Salmon Habitat Protection and Restoration	$0	$18,798	Klamath

Project Description

Continue to develop, coordinate, integrate the Watershed Education Program of the three Salmon River elementary schools and implement watershed restoration activities within Salmon River Watershed. Students will participate in field surveys, monitoring and inventories, contributing data to agency partners.

Project Ref	Grantee	Project Name	State
704398	CDFG	Community Involvement/Public Education Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-22-APR-03	Salmon Habitat Protection and Restoration	$0	$10,345	Northern California Coastal

Project Description

Restoration and maintenance projects will be designed and completed by volunteers, with guidance from the Coastal Stream Restoration Group.

Project Ref	Grantee	Project Name	State
704401	CDFG	Horse Creek Instream Structure Maintenance Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$2,335	Klamath

Project Description

Implement maintenance measures at 6 existing habitat enhancement sites located in the Horse Creek watershed by repairing, enhancing, or upgrading log structures.

Project Ref	Grantee	Project Name	State
704402	CDFG	Beaver Creek Instream Structure Maintenance Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$15,370	Klamath

Project Description

Implement maintenance measures at 48 existing habitat enhancement sites located in the Beaver Creek watershed by repairing, enhancing, or upgrading log structures.

Project Ref	Grantee	Project Name	State
704403	CDFG	Jolly Giant Creek Channel	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-28-MAR-03	Salmon Habitat Protection and Restoration	$15,890	$0	Northern California Coastal

Project Description

Increase channel capacity, stabilize, install log/boulder structures at three selected sites, improve riparian conditions along approximately 350 feet of stream bank.

Project Ref	Grantee	Project Name	State
704406	CDFG	Mather Creek Culvert Replacement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-04-APR-03	Salmon Habitat Protection and Restoration	$177,064	$0	Northern California Coastal

Project Description

Provide access to approximately three miles of potential anadromous fish habitat by replacing a failing, undersized culvert that poses a barrier to fish passage.

Project Ref	Grantee	Project Name	State
704407	CDFG	Clarks Creek Fish Passage-Barrier Removal Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-21-APR-03	Salmon Habitat Protection and Restoration	$134,938	$23,000	Northern California Coastal

Project Description

Remove and replace the fish migration barrier on Clarks Creek, consisting of removing the existing perched wooden box culvert, with a flatcar bridge. This will improve access to over 5000 feet of upstream habitat for adult and juvenile salmon, steelhead, and cutthroat trout.

Project Ref	Grantee	Project Name	State
704414	CDFG	Little East Fork Canyon Creek Bridge Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-01-APR-03	Salmon Habitat Protection and Restoration	$156,478	$0	Klamath

Project Description

Replace an undersized culvert and barrier with a bridge and natural bottom channel.

Project Ref	Grantee	Project Name	State
704417	CDFG	Bear River, McBride Property Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$19,273	Northern California Coastal

Project Description

Stabilize approximately 300 feet of stream bank on the Bear River by armoring 130 feet of bank with boulders and installing two boulder wing deflectors.

Project Ref	Grantee	Project Name	State
704420	CDFG	Bear River Moore Property Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$31,791	Northern California Coastal

Project Description

Stabilize 400 feet of streambank by constructing 7 boulder wing deflectors and planting with willow. Also add log cover to increase rearing habitat for juvenile salmonids.

Project Ref	Grantee	Project Name	State
704421	CDFG	Bear River, Lowry Property Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$43,748	Northern California Coastal

Project Description

Stabilize 300 feet of streambank on the Bear River by installing boulder and log armor and planting willow; stabilize 100 feet of streambank on the South Fork Bear River with boulder and log armor, along with planting willow.

Project Ref	Grantee	Project Name	State
704423	CDFG	Green Fir Bank Protection and Habitat Enhancement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-31-MAR-03	Salmon Habitat Protection and Restoration	$28,309	$0	Northern California Coastal

Project Description

Reduce sediment delivery into the Mattole mainstem and augment habitat for migrating salmonids by armoring toe of existing and potential failures with structures that also increase instream cover and complex habitat for migrating salmonids or summertime residents.

Project Ref	Grantee	Project Name	State
704428	CDFG	Mattole Ecological Education Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$5,199	Northern California Coastal

Project Description

To further develop, implement and host "Watershed Week", a week long program for all schools in the Mattole Watershed. The program will focus, and put closure to, what students have learned throughout the year with the Mattole Ecological Education Project, and further solidify the students' understanding of salmonid ecology and watershed processes.

Project Ref	Grantee	Project Name	State
704430	CDFG	Watershed and Roads Assessment Technical Training	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$13,671	Northern California Coastal

Project Description

To organize and conduct a training program for twenty para-professionals. The training program will teach participants sound, practical, and cost-effective methods to identify, prioritize, and design mitigations for sediment delivery sites within a watershed context. The program will focus on the conditions in rural subdivisions.

Project Ref	Grantee	Project Name	State
704431	CDFG	Howe Forks Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$28,936	Northern California Coastal

Project Description

Upgrade a current ford site and temporary stream crossing site on Howe Creek used for log hauling and livestock herd crossing, to a permanent steel bridge; provide livestock water along the riparian zone to prevent instream watering; protect 1000 feet of riparian habitat along Howe Creek.

Project Ref	Grantee	Project Name	State
704432	CDFG	Howe Creek Project 2001	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-30-JUL-02	Salmon Habitat Protection and Restoration	$0	$121,542	Northern California Coastal

Project Description

Protect deforested and/or unstable reaches by placement of stock water, exclusion/control fencing. Enhance instream habitat with log or stump placement; stabilize reaches with boulder structures. Upgrade a current ford site and temporary stream crossing site on Howe Creek used for log hauling and livestock herd crossing, to a permanent steel bridge; provide livestock water along the riparian zone to prevent instream watering; protect 1000 feet of riparian habitat along Howe Creek.

Project Ref	Grantee	Project Name	State
704440	CDFG	Scott River Subbasin Strategic Action Plan (Scott River Watershed Planni	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-01-08-MAY-03	Salmon Habitat Protection and Restoration	$11,171	$0	Klamath

Project Description

Develop a Scott River subbasin strategic action plan to accelerate the restoration of native anadromous stocks. The subbasin plan will include: analysis of current and historic conditions, identification of limiting factors, data and restoration needs (including type and location), prioritization of restoration project opportunities, and monitoring plans.

Project Ref	Grantee	Project Name	State
704444	CDFG	Mark West Creek Stream Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-29-MAR-02	Salmon Habitat Protection and Restoration	$5,479	$0	Northern California Coastal

Project Description

Improve salmon habitat by reducing the amount of sediment entering Mark West Creek and increasing riparian habitat complexity by redirecting fallen trees and installing willow mattresses.

Project Ref	Grantee	Project Name	State
704445	CDFG	Sulphur Creek Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-29-MAR-02	Salmon Habitat Protection and Restoration	$0	$15,123	San Francisco Bay

Project Description

Enhance salmonid habitat in a 1500 foot section of Sulphur Creek by increasing numbers and depths of pools and retaining spawning gravels.

Project Ref	Grantee	Project Name	State
704446	CDFG	Napa River Arundo Removal Project #2	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-13-MAR-03	Salmon Habitat Protection and Restoration	$0	$15,000	San Francisco Bay

Project Description

Enhance salmonid habitat in a 4500 foot section of the Napa River by removing Arundo donax and replanting with native vegetation.

Project Ref	Grantee	Project Name	State
704447	CDFG	Foster Property Acquisition	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-27-MAR-03	Salmon Habitat Protection and Restoration	$65,000	$0	Central California Coastal

Project Description

Acquire 154 acres of land which includes 3/4 mile of high quality salmonid stream habitat.

Project Ref	Grantee	Project Name	State
704448	CDFG	San Luis Obispo Creek: Collins Acquisition	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-06-APR-03	Salmon Habitat Protection and Restoration	$46,000	$0	Central California Coastal

Project Description

Acquire floodplain property and creek frontage to facilitate its protection, future restoration of the creek, and to prevent harmful land uses of the 6.9 acre parcel.

Project Ref	Grantee	Project Name	State
704539	CDFG	Adaptive Watershed Improvement Team Projects	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JAN-02-31-MAR-04	Salmon Habitat Protection and Restoration	$0	$0	California

Project Description

Provide financial support in an adaptive, responsive, needs-driven process to facilitate watershed, riparian and stream habitat improvement projects which will benefit Coho salmon streams throughout their current range in California.

Project Ref	Grantee	Project Name	State
704648	CDFG	Wages Creek Campground Native Material Revetment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-31-MAR-03	Salmon Habitat Protection and Restoration	$10,472	$0	Northern California Coastal

Project Description

Stabilize bank with boulder deflectors, boulder/log/rootwad structures (native material revetment technique) and retain/enhance a dense riparian plant community.

Project Ref	Grantee	Project Name	State
704649	CDFG	Green Valley Creek Pool Habitat Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$4,867	Northern California Coastal

Project Description

Create and enhance deep pools in order to improve steelhead and Coho salmon summer and winter rearing habitat.

Project Ref	Grantee	Project Name	State
704651	CDFG	Fish Habitat Assistants - California Conservation Corps	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$0	$286,500	San Joaquin

Project Description

Assist the DFG statewide CCC Coordinator in planning, directing and coordinating activities relating to the development and administration of CCC fish habitat improvement projects for the Shasta-Pacific and the Pacific Bays CCC Districts.

Project Ref	Grantee	Project Name	State
704652	CDFG	Barnum Fish Passage Improvement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$48,450	Northern California Coastal

Project Description

Improve fish passage by upgrading culverts on fish bearing streams on tributaries to the South Fork Eel River (Redwood/Pollock Creek and Coulborn/Indian Creek) and on fish bearing tributaries to the Mattole River (Baker Creek and Lost Man Creek).

Project Ref	Grantee	Project Name	State
704653	CDFG	West Weaver Creek at Oregon Street Migration Barrier Removal Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-05-JAN-01	Salmon Habitat Protection and Restoration	$196,276	$0	Klamath

Project Description

Remove a 3 foot high jump into a culvert that creates an upstream juvenile migration barrier on West Weaver Creek at Oregon Street. There is also a 3-4 foot tall unpermitted rock and plastic sheet dam constructed annually approximately 40 feet downstream of the culvert. The combination of upstream barrier and downstream dam traps hundreds to thousands of juvenile steelhead and Coho in the pool. The removal of the culvert and placement of a natural bottom crossing will open up approximately 2 miles of juvenile habitat upstream of the crossing.

Project Ref	Grantee	Project Name	State
704654	CDFG	Little Briggs Creek Enhancement Project #2	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-18-MAY-01	Salmon Habitat Protection and Restoration	$9,990	$0	Northern California Coastal

Project Description

Enhance salmonid habitat in a 1900 foot section of Little Briggs Creek by installing fish habitat structures, stabilizing eroding banks, and improving the riparian corridor.

Project Ref	Grantee	Project Name	State
704655	CDFG	Grape Creek Enhancement Project #2	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-18-MAY-01	Salmon Habitat Protection and Restoration	$0	$5,700	Northern California Coastal

Project Description

Enhance salmonid habitat in a 750 foot section of Grape Creek by increasing numbers and depths of pools, stabilizing eroding banks, decreasing channel incision and retaining spawning gravels.

Project Ref	Grantee	Project Name	State
704656	CDFG	Willow Creek Enhancement Project #3	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-18-MAY-01	Salmon Habitat Protection and Restoration	$18,394	$0	Northern California Coastal

Project Description

Enhance salmonid habitat in a 3000 foot section of Willow Creek by constructing a fence and planting native species along both banks to limit cattle access, control erosion and increase canopy in the riparian zone.

Project Ref	Grantee	Project Name	State
704658	CDFG	Toro Creek Enhancement Project Phase 2	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	12-JUL-00-12-MAR-03	Salmon Habitat Protection and Restoration	$30,678	$0	Central California Coastal

Project Description

Improve steelhead rearing habitat by installing rootwads, boulder clusters and cover logs in a 350 foot section of Toro Creek.

Project Ref	Grantee	Project Name	State
704659	CDFG	Standish Hickey Mill Creek Trail and Road Removal Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-28-MAY-01	Salmon Habitat Protection and Restoration	$77,859	$0	Northern California Coastal

Project Description

Mechanically remove or outslope old logging roads and remove fill from stream crossings to reduce gully and landslide sedimentation into Mill Creek and the Eel River. Obliterate approximately 8 miles of road and remove 40 swale and stream crossings. Stabilize an estimated 20 to 60 thousand cubic yards of road fill and about 2000 cubic yards of road crossing fill.

Project Ref	Grantee	Project Name	State
704660	CDFG	Frontage Road/Jordan Creek Twin Culverts Stream Rehabilitation Project (	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-12-JUL-01	Salmon Habitat Protection and Restoration	$83,766	$0	Northern California Coastal

Project Description

Remove and replace two 5 foot diameter corrugated metal pipes, which are deteriorated. These two pipes are immediately upstream of the Jordan Creek box culvert. The two projects should be undertaken at the same time to ensure that each project as modified does not conflict with the other.

Project Ref	Grantee	Project Name	State
705202	CDFG	West Branch Soquel Creek Fish Passage Barrier Removal	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$409,613	$0	Central California Coastal

Project Description

The existing concrete ford with culvert will be removed and replaced with a bridge to allow fish passage and primary access to the adjacent properties.

Project Ref	Grantee	Project Name	State
705215	CDFG	Prince Memorial Greenway - Pierson Reach Santa Rosa Creek Restoratio	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$158,056	$0	Northern California Coastal

Project Description

Will restore instream steelhead migration habitat and improve juvenile rearing conditions in a degraded reach of the Santa Rosa Creek flood control channel in downtown Santa Rosa. The project will remove the existing concrete bottom and provide a low flow channel, habitat features, and riparian plantings to improve habitat conditions for fish along a 1,900 foot reach, adding to the 14 miles of excellent spawning and rearing habitat upstream.

Project Ref	Grantee	Project Name	State
705217	CDFG	California Conservation Corps Salmon Restoration Prog. 2003-2004	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-03-31-MAR-06	Salmon Habitat Protection and Restoration	$0	$1,007,496	Northern California Coastal

Project Description

Engage CCC corpsmembers in improving more than 28 stream miles by modifying several fish passage barriers, installing at least 70 fish habitat structures, planting over 60,000 trees, and erecting 10,000 ft. of livestock exclusion fencing.

Project Ref	Grantee	Project Name	State
705241	CDFG	Upper Mattole River Water Conservation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-04-31-MAR-06	Salmon Habitat Protection and Restoration	$27,885	$0	Northern California Coastal

Project Description

Tasks include: purchase water tanks to help landowners offset summertime water withdrawals from the Mattole River, develop a public water conservation demonstration site, conduct home water system consultations, and continue conducting landowner outreach about summertime low flow issues.

Project Ref	Grantee	Project Name	State
705283	CDFG	Robinson Creek Riparian Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Habitat Protection and Restoration	$20,496	$0	Northern California Coastal

Project Description

Restore the riparian community at one 300' site in Robinson Creek, by installing willow baffles, deep cluster planting, and Ailanthus removal. Plantings will be supported with irrigation setup and monitoring for the following two dry seasons.

Project Ref	Grantee	Project Name	State
706311	CDFG	Forsythe Creek - CCC 02/03	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-02-30-NOV-02	Salmon Habitat Protection and Restoration	$4,825	$4,825	Northern California Coastal

Project Description

Construct a 160' willow mattress and 2 brush check-dams, install erosion fabric, and armor a 150' head cutting gully with rock on Forsythe Creek.

Project Ref	Grantee	Project Name	State
706344	CDFG	Little Shasta River Fish Passage and Flow Augmentation Investigation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-31-DEC-01	Salmon Habitat Protection and Restoration	$0	$34,500	Klamath

Project Description

To provide unrestricted salmonid access to continuous and stable habitat.

Project Ref	Grantee	Project Name	State
706346	CDFG	Fish and Wildlife Scientific Aides	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$38,523	California

Project Description

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Project Ref	Grantee	Project Name	State
720000	CDFG	Scott Valley Irrigation Fish Screen Remodel	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-SEP-01-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$18,073	Klamath

Project Description

Remove and properly dispose of an existing fish screen on the Scott Valley Irrigation District diversion ditch, located at Young¿s Dam in the aforementioned project site. In it¿s place, Grantee will construct a new, ¿chevron style¿ fish screen. The new screen shall be secured to concrete footings.

Project Ref	Grantee	Project Name	State
720001	CDFG	Tom Long Creek Riparian Fencing Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-AUG-01-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$21,476	Northern California Coastal

Project Description

The Grantee will construct 1.5 miles of 4 strand barbed-wire fence. The fence will be constructed to standards specified in the Natural Resources Conservation District Service Bulletin 382A-1 (NRCS 2000). One cattle guard will be installed on Dugan's Mill Road. The Dick Drewry (landowner) will maintain the livestock exclusion fencing, constructed and repaired under terms of this agreement, in good repair for a period of ten years from the termination date of the agreement. Maintenance will include repair of fences to a level that will effectively exclude livestock from the project areas for the ten year period, or until the vegetation in the excluded area, either natural or planted, becomes well-established and the landowner has developed, and agreed to a DFG approved, riparian area grazing plan for the project area.

Project Ref	Grantee	Project Name	State
720003	CDFG	Oregon Fires Sediment Reduction Plan	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	20-NOV-01-03-FEB-02	Salmon Habitat Protection and Restoration	$0	$15,685	Klamath

Project Description

Broadcast native plan seeds over 35 acres of fire-damaged habitat on privately owned land. The seed will be covered and mulched with erosion resistant, weed-free material. Land Parcels and locations will be identified by the Project Manager. Construct 6 straw bale dams in selected draws to be determined by the Project Manager.

Project Ref	Grantee	Project Name	State
720005	CDFG	Holmes Ranch Road/Mill Creek Sediment Reduction Adaptive Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JAN-02-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$10,562	Northern California Coastal

Project Description

The Contractor will perform work on Holmes Ranch Road and adjacent roads to remediate approximately 800 cubic yards of potential sediment delivery to Mill Creek.

Project Ref	Grantee	Project Name	State
720006	CDFG	North Coast Riparian Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JAN-02-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$20,000	Klamath

Project Description

Improve riparian habitat along selected areas of Terwer Creek, Hunter Creek and McGarvey Creek, Blue Creek and Ah Pah Creek, tributaries to the Klamath River in Humboldt and Del Norte Counties, and also improve riparian habitat along selected areas of Rowdy and Little Mill Creek, tributaries to the Smith River in Del Norte County. The Grantee will improve approximately 250 acres of riparian habitat by planting a combination of 35,000 two year old, nursery stock, conifer seedlings consisting of douglas fir, coastal redwood and spruce. The Grantee will enhance survival of the planted seedlings by manually girdling or falling a minimum of 10% of the shading, dominant red alder trees at the site.

Project Ref	Grantee	Project Name	State
720009	CDFG	Barker Creek Streambank Stabilization Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-AUG-01-21-OCT-02	Salmon Habitat Protection and Restoration	$0	$2,500	Klamath

Project Description

Stabilize approximately 100 feet of stream bank. All disturbed area along the left bank will be re-vegetated with willow waddles and stakes. Mulching and seeding will be utilized to prevent bare soil from washing into the creek. The right (East) bank will be re-contoured to a 2:1 slope in order to minimize sediment delivery resulting from the channel redirection following the deflector installation.

Project Ref	Grantee	Project Name	State
720010	CDFG	Carr Creek Cattle Exclusion Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$2,488	Klamath

Project Description

Install a solar powered pump, plumbing and fittings on Carr Creek that will provide water to an existing 1,300 gallon tank, thus alleviating the need to allow cattle access to the creek through an existing gate.

Project Ref	Grantee	Project Name	State
720011	CDFG	Ritterbush Gulch Road Drainage Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$2,500	Klamath

Project Description

Install approximately twenty rolling dips along one mile of the Ritterbush Gulch Road beginning at it¿s intersection with East Fork Road. Correct diversion of several small swales which currently allow sediment delivery across the East Fork Road and into the North Fork Trinity River.

Project Ref	Grantee	Project Name	State
720012	CDFG	Bear River Moore Project Road Access	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-AUG-01-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$2,470	Northern California Coastal

Project Description

After any use the Grantee shall repair the road in any place where it is appropriate to bring it up to the same condition or better than as when they commenced the use. After hauling is completed for the season, the road shall be graded, ditched, water barred and rolling dipped, and generally put in a condition to withstand the winter in good repair.

Project Ref	Grantee	Project Name	State
720013	CDFG	Tom Long Creek Supplemental Rock For Culvert Outlets	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-AUG-01-13-NOV-02	Salmon Habitat Protection and Restoration	$0	$2,486	Northern California Coastal

Project Description

13 PSMFC funded road projects completed on roads adjacent to or crossing Tom Long Creek. Projects included boulder placements, crossing improvements, armor placement.

Project Ref	Grantee	Project Name	State
720014	CDFG	Ackerman Creek Riparian Enhancement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-AUG-01-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$2,268	Northern California Coastal

Project Description

Irrigate 500 trees with a product called DriWATER. This involves placing a tube at the roots of the plants then putting the DRiWATER Gel Pac into the tube. The first year of establishment two Gel Pacs will be added, the second year only 1 Gel Pac will be added.

Project Ref	Grantee	Project Name	State
720015	CDFG	SF Dobbyn Creek Boulder Deflector	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-AUG-01-14-MAR-03	Salmon Habitat Protection and Restoration	$0	$2,499	Northern California Coastal

Project Description

Build a low profile boulder deflector to direct the flow into a single channel.

Project Ref	Grantee	Project Name	State
720017	CDFG	Skyline Pipe Arch Supplemental Proposal	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-01-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$2,490	Northern California Coastal

Project Description

At site 1, increase the size of the boulder grade control structures by adding 20 cubic yards of boulders to the existing structures.
At site 2, excavate approximately 150 cubic yards of sediment perched above the culvert and end haul the material to a stable location. In addition a redwood log grade control structure will be constructed.

Project Ref	Grantee	Project Name	State
720018	CDFG	Tom Long Creek / Miller Ranch Road	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-02-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$2,495	Northern California Coastal

Project Description

Two loads of quarry boulders were placed at the outlet of one large culvert

Project Ref	Grantee	Project Name	State
720020	CDFG	Butte Creek Erosion Control Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-SEP-02-15-OCT-02	Salmon Habitat Protection and Restoration	$0	$2,500	Northern California Coastal

Project Description

Construct two boulder wing deflectors, willow mattress, and rock armor to protect a total of 150 feet of eroding bank on ¿Up-the Creek¿ tributary to Butte Creek. A total of 800 feet of eroding bank will be protected along Butte Creek tributary to Little Van Duzen River by planting of native conifers and broad leaf trees and use of bio-engineering techniques.

Project Ref	Grantee	Project Name	State
720024	CDFG	Installation of VAKI Fish Counter on the Santa Paula Creek Fish Ladder	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-02-31-MAR-02	Salmon Habitat Protection and Restoration	$0	$39,227	Ventura-San Gabriel Coastal

Project Description

Design: The VAKI fish counter is pre-designed and ready for installation upon delivery to the site. The brackets and mounting hardware will have be field designed and appropriately located in accordance with the approval of the various concerned agencies.
Installation: Canyon Irrigation Company staff in conjunction with the City of Santa Paula will arrange for the purchase, delivery, and installation of the VAKI fish counter. It is anticipated that the optimum site for installation will be approximately 20¿ downstream of the 30¿ sluice gate at the top of the ladder. This will minimize that amount of mounting material that will have to be fabricated and installed with local labor.
Calibration and testing of the equipment shall be done by a VAKI technician or under their supervision. If fish are not present at the time of installation, testing and calibration may have to be done at a later date.

Project Ref	Grantee	Project Name	State
720025	CDFG	Salsipuedes Creek Fish Passage Structure Modification	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-SEP-02-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$500	Central California Coastal

Project Description

Modify the Salsipuedes Creek fish passage structure by chamfering all the 90 degree corners on the structure walls to 45 degrees

Project Ref	Grantee	Project Name	State
720026	CDFG	Freezeout Creek Exclusionary Fence Construction and Repair	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-02-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$5,201	Northern California Coastal

Project Description

Construction of two floating fences and replacing existing fence, which is in disrepair, with new barbed wire fence.

Project Ref	Grantee	Project Name	State
720028	CDFG	Grape Creek Bank Stabilization and Riparian Revegetation Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-01-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$7,000	Northern California Coastal

Project Description

Use an excavator to slope back the steep, eroding banks within the project reach to a 2:1 slope. A row of boulders will be placed at the toe, and jute net placed upslope to stabilize the eroding bank.
Plant the bank with native riparian trees and understory plants. In total, approximately 350 feet of streambank will be sloped back and revegetated (150' x 15' and 200' x 8').

Project Ref	Grantee	Project Name	State
720029	CDFG	Dago Creek Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAR-02-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$14,133	Northern California Coastal

Project Description

The project would treat about 0.8 miles of road by installing rolling dips at approximately 21 locations, installing rocked fords at approximately 7 locations, excavating fill or sidecast at approximately 4 locations, and outsloping road surfaces where appropriate. Additionally, instream barrier modifications would be made at approximately 3 locations in Dago Creek near the road sites.

Project Ref	Grantee	Project Name	State
720031	CDFG	Sulphur Creek Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-02-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$5,114	San Francisco Bay

Project Description

The project will consist of installing one upstream boulder weir structure and correcting five upstream boulder weirs that were damaged during high flows over the winter within a 1500' section of Sulphur Creek. All six of the sites are pool enhancement sites. The ends of the weirs will be keyed 4 to 6 feet horizontally into the stream banks and extended to a point above normal nigh water level to assure that the stream is not diverted around the ends of the weirs during high flows. The weirs should be gradually sloped from the banks towards the middle of the channel.

Project Ref	Grantee	Project Name	State
720032	CDFG	Baechtel Creek Weirs Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-02-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$3,765	Northern California Coastal

Project Description

1.The Grantee will perform work within the Baechtel Creek watershed to remediate approximately 2,000 cubic yards of potential sediment delivery to streams inhabited by salmonids. Remediation work will include the installation of weir structures at approximately four sites along the watercourse where future sediment delivery has been found likely to occur. Work will include keying of rock or redwood logs into the banks creating a series of weirs to stabilize stored sediment. Additional boulders downstream will catch sediment and raise the stream bed allowing fish passage. Boulders left over from weir structures will be placed in locations upstream of weirs in order to create plunge pools and to provide shade and refuge for salmonids.
2.Native willow and conifers will be planted along the stream banks where openings in the canopy exist in order to enhance canopy closure at a spacing of 10 feet by 10 feet. Willows may be planted closer together.

Project Ref	Grantee	Project Name	State
720033	CDFG	Gray Creek Supplemental Road Work Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-02-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$22,545	Northern California Coastal

Project Description

1.Install three additional culverts (all are located at small streams and the culverts for two of the sites are already purchased and on-site). At five of the recently constructed armored crossings, additional rip-rap sized rock armor will be added to each to insure each functions properly in large storms. Thirteen recently constructed rolling dips and 2 critical dips will be modification to ensure the outlets are sufficiently outsloped to function properly and not fail in the future. Install 3 new rolling dips along the 4.8 miles of road to improve road drainage. Construct 2 additional sediment-settling basins with rocked spillways along road segments that are immediately adjacent to Gray Creek. Apply approximately 100 yds3 of road rock at new or re-worked rolling dip, armored crossings or critical dips.

Project Ref	Grantee	Project Name	State
720035	CDFG	Pena Creek Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-03-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$4,796	Northern California Coastal

Project Description

The Contractor will install 1 weir, 1 J-hook, 1 set of boulder clusters, and 1 downstream digger log.

Project Ref	Grantee	Project Name	State
720036	CDFG	Mission Creek Fish Passage Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-03-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$4,700	Northern California Coastal

Project Description

Contractor will remove the barrier in stages, no more than one log below stream grade to prevent a large amount of sediment from entering the stream at one time. Removal of LWD will be accomplished by hand and a truck winch. The contractor will install the removed LWD in pool habitat created by newly constructed rock weirs, in a manner consistent with the techniques described in the "California Salmonid Stream Habitat Restoration Manual".

Project Ref	Grantee	Project Name	State
720037	CDFG	Ackerman Creek Enhancement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-03-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$5,000	Northern California Coastal

Project Description

Contractor will improve habitat by protecting unstable streambanks, and increasing canopy along the creek by constructing a 300 ft. willow brush mattress and a series of boulder wing deflectors. The stream bank will be laid back to a smooth 2:1 slope by the excavator operator. A toe trench will be dug 2 feet below stream elevation along the 300 foot of bank for the willow mattress. A toe trench will be dug for the upstream and downstream legs of the deflector and will be keyed at least four to six feet into the stream bank. The apex of the deflector will be at the lowest elevation. The deflector will slope upwards towards the bank at an angle no more than 45 degrees. The three boulder deflectors will be approximately 75 feet apart from each other.

Project Ref	Grantee	Project Name	State
720038	CDFG	Dutchbill Creek Pool Enhancement Project Materials Acquisition	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-01-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$2,470	Northern California Coastal

Project Description

Contractor will load and transport logs to a temporary storage site at the Warm Springs Dam facility.

Project Ref	Grantee	Project Name	State
720039	CDFG	Materials Acquisition for Russian River Tributary Pool Enhancement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-01-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$2,470	Northern California Coastal

Project Description

As soon as funding is acquired, contractor will load and transport logs to a temporary storage site at the Warm Springs Dam facility.

Project Ref	Grantee	Project Name	State
720040	CDFG	Trout Unlimited Solar Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-02-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$1,381	California

Project Description

1.Construct a portable irrigation system, which includes a 3,000 gallon water tank, Mini Tilt trailer and pump. This system will be utilized at remote sites where existing water is not present in adequate amounts.
2.Transport the irrigation system to specific sites, as identified by DFG, after a restoration project involving plants and/or bioengineering techniques is completed.

Project Ref	Grantee	Project Name	State
720041	CDFG	Salmon Creek Bank Stabilization Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-02-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$2,484	Northern California Coastal

Project Description

The top of the fallen alder upstream of the main section of eroding bank will be removed with a chain saw and removed from the channel by hand. The trunk of alder will be repositioned from the north bank to the south bank by hand or by rope or cable from machinery working in the pasture south of the creek. Trees and limbs obstructing the original (presently dry) channel along the north bank across from the main erosion site will be selectively cut by chain saw to allow an alternative path for peak storm flows and relieve pressure on the south bank. Willow cuttings will also be planted as feasible on the eroding bank to help revegetate the bank.

Project Ref	Grantee	Project Name	State
720042	CDFG	Mill Creek Planting Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-02-31-MAR-03	Salmon Habitat Protection and Restoration	$0	$2,500	Northern California Coastal

Project Description

The Contractor will plant native trees at a minimum of two sites where canopy is lacking. Seeds would be collected in the Mill Creek watershed in the project area and then propagated until ready for planting. For each tree, Contractor will scalp a 2¿x2¿ section of weeds, dig a hole with an auger and post hole digger, and then plant the tree. The trees will be planted approximately 8¿ apart from one another. The trees will consist of approximately 150 redwood, 175 fir, and 100 coast live oak in open bottom 9¿ tree bands.

Project Ref	Grantee	Project Name	State
AK45505	ADFG	Anchorage Creeks Earmark Balance	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$3,260,855	$0	Knik Arm

Project Description

Congressional earmark

Project Ref	Grantee	Project Name	State
AKPND5H	ADFG	Craig Watershed Restoration	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Habitat Protection and Restoration	$196,906	$0	Southern Southeast Alaska

Project Description

Congressional earmark

Project Ref	Grantee	Project Name	State
AK45422	ADFG	Fish Passage rollup	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$727,492	$0	Alaska

Project Description

Roll up for fish passage project funding

Project Ref	Grantee	Project Name	State
AK45423	ADFG	Fish Passage Restoration Project Monitoring	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$45,732	$0	Kenai Peninsula

Project Description

Identify road-stream crossing sites where upstream access to productive fish habitats is inaccessible or limited by inadequately maintained or poorly designed culverts for fish passage. Provide technical assistance and administrative support in the development of a protocol for prioritizing road-stream crossing sites for restoration.

Project Ref	Grantee	Project Name	State
AK45424	ADFG	Fish Passage Restoration Project Development	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$141,316	$0	Kenai Peninsula

Project Description

Provide technical support and administrative oversight for fish passage restoration projects. Reestablish access to historically occupied salmonid habitats in the Kenai Peninsula, reduce sediment delivery within associated streams, improve aquatic habitat quality, and develop a monitoring protocol to track project performance.

Project Ref	Grantee	Project Name	State
AKPND4K	ADFG	Anchorage Creek Restoration Projects	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Habitat Protection and Restoration	$240,000	$0	Knik Arm

Project Description

Under development

Project Ref	Grantee	Project Name	State
AK45259	ADFG	Restoration Projects-Demo	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JAN-03-01-JUN-07	Salmon Habitat Protection and Restoration	$154,400	$0	Central Southeast Alaska

Project Description

Identify and plan several demonstration projects to showcase innovative fish habitat protection and restoration techniques not currently used in SE AK

Project Ref	Grantee	Project Name	State
AK45270	ADFG	[Klawock Lake Habitat Project Rollup]	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-01-JUN-07	Salmon Habitat Protection and Restoration	$345,500	$0	Southern Southeast Alaska

Project Description

Encumbered, projects under development. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45271	ADFG	KLHP - Three Mile Basin Roads	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-01-JUN-04	Salmon Habitat Protection and Restoration	$154,500	$0	Southern Southeast Alaska

Project Description

Erosion control and road closure at sites identified in the ADF&G road condition survey, to reduce fine sediment input to spawning and rearing habitat in Three-Mile Creek. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45282	ADFG	DEC Alaska Clean Water Actions	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Habitat Protection and Restoration	$154,500	$0	Southern Southeast Alaska

Project Description

The Alaska Clean Water Act (ACWA) program brings the state resource agencies (DEC, ADF&G, DNR) together to deal with our waters in a coordinated and cooperative method via it s competitive grant program. This project represents ADF&G's contribution for three years to fund projects in Southeast Alaska with emphasis on priority salmon waters.

Project Ref	Grantee	Project Name	State
TBD1	ADFG	Chester Creek Salmon Restoration	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Habitat Protection and Restoration	$2,000,000	$0	Knik Arm

Project Description

TBD. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
03-1213-2004	WA IAC	Limiting Factors Rollup Report	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	02-JUL-03-01-MAR-05	Watershed and Sub-basin Planning and Assessment	$0	$161,000	Washington

Project Description

Conservation Commission will complete a Statewide Salmonid Habitat Limiting Factors Report. The Report will be a technical report that summarizes and compares salmonid habitat conditions across Washington State by basin

Project Ref	Grantee	Project Name	State
03-1367-2004	WA IAC	Lead Entity Support Supplemental 03-05	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-OCT-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$125,890	Washington

Project Description

Supplemental funding for the lead entity program.

Project Ref	Grantee	Project Name	State
04-1216-2004	WA IAC	Levee Setback Feasibility Study	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$297,500	$0	Puget Sound

Project Description

Pierce County is proposing to study of levee setback feasibility, identified as a high priority need in the Lead Entity Strategy. Setbacks would reconnect the rivers and floodplains, a top priority restoration action.

The study will pick project locations where features such as historic side-channels and hydrology indicate the likelihood that given the opportunity, natural processes will act to create the desired habitat. Engineering concerns, land-use, hydrology and flood protection, cost, and landowner willingness will be evaluated along with habitat restoration for project priortization.

The study will create a comprehensive catalog of potential levee setback projects on the mainstems of the Puyallup, White, and Carbon rivers. Conceptual designs will be evaluated and prioritized, and a few high priority projects will proceed through preliminary design; including levee alignment and profile. Flyby animations will be created of a representative river segment with and without setback levees, under normal flow and flood conditions to provide the community with a compelling picture of effective flood control and growth opportunities coexisting with major salmon recovery actions.

The study builds on an earlier oxbow catalog produced by the Puyallup Tribe, a georeferenced Channel Migration Zone study (2003), and a new FEMA floodplain mapping for the entire study area. Other county GIS info, including orthophotographs, land use and tax parcel data will also be used in this analysis.

Project Ref	Grantee	Project Name	State
04-1262-2004	WA IAC	W. Whidbey Nearshore Fish Use Assessment	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$163,000	$0	Puget Sound

Project Description

Washington Trout is proposing an assessment of juvenile salmonid use of nearshore and salt marsh habitats on the west shore of Whidbey Island. The objective of this project is to generate empirical data regrding seasonal juvenile salmonid habitat use at potential restoration and conservation sites listed in the Island County Salmon Recovery Strategy. The western shore of Whidbey Island forms the eastern half of a bottleneck through which most outmigrating smolts from the rivers of central Puget Sound, south Puget Sound, and Hood Canal must pass to reach the straight of Juan De Fuca. We would expect that millions of non-natal, outmigrating salmon smolt use the nearshore and estuarine habitats of western Whidbey Island as they migrate from natal watersheds and estuaries to pelagic habitats in the Pacific. However, no data has been collected concerning the timing, extent, and location of occupied habitats.

Washington Trout will conduct bi-weekly sampling at approximately 12 sites from March-August of 2005, and monthly surveys in February 2005 and again from September-November 2005. Sampling will be done by conducting multiple seine hauls that will be consistently replicated through time, within sites. All fish brought to hand will be enumerated, identified to species, and if possible a determination of origin will be made (hatchery vs. wild), the first 20 individuals of each species captured at a site will be measured for fork length.

Project Ref	Grantee	Project Name	State
04-1389-2004	WA IAC	WRIA 13 Nearshore Restoration Design Pro	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	03-JAN-05-01-APR-06	Watershed and Sub-basin Planning and Assessment	$74,412	$0	Puget Sound

Project Description

Many of South Puget Sound's shorelines are impacted by bulkheads, tidal culverts and other industrial and residential development, which are detrimental to the health of salmonids and other wildlife species that rely on the nearshore environment. These areas are particularly important for chinook and chum, which have the greatest dependence of the salmon species on estuarine and nearshore habitats (Aitkin 1998). Nearshore areas provide support for salmonids in many ways including: migration corridors and protection from predators for juveniles, benthic and baitfish production. The WRIA 13 Nearshore Design Project will use the Thurston County Nearshore Assessment, WRIA 13 Culvert Inventory and beach seining data to locate restoration opportunities along the shorelines of WRIA 13.

This project will work with landowners living along Thurston County's shorelines to identify potential projects. SPSSEG will organize a technical committee from existing partnerships and a review committee to assist in the selection process. The committees will select projects based on benefit to salmon, landowner willingness, and technical merit. Projects will focus on restoring nearshore processes including restoring sediment and wood recruitment, estuaries, and other shoreline processes. Up to five projects will be selected and designed to a 30% level by an experienced and licensed engineer. This final product will also include a complete set of project photos, landowner willingness forms, cost estimates, and potential project funding sources.

Project Ref	Grantee	Project Name	State
04-1439-2004	WA IAC	Deschutes River Estuary Rest. Study	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	04-DEC-04-30-DEC-06	Watershed and Sub-basin Planning and Assessment	$221,740	$0	Puget Sound

Project Description

Thurston Regional Planning Council (TRPC) is applying for this project on behalf of the Capitol Lake Adaptive Management Plan (CLAMP) Steering Committee. CLAMP brings together the interests of nine entities - several state agencies, an Indian Tribe, and local governments for the benefit of managing Capitol Lake. Capitol Lake used to be part of Budd Inlet, but was made part of the State Capitol Campus with the construction of the Capitol Lake dam and Deschutes Parkway in 1951. Management challenges with the lake have reached a point where undertaking an estuary feasibility study was included as a key Management Objective in the CLAMP - 10 Year Plan (2002).

Restoring Capitol Lake would result in adding 260 acres of estuary habitat and about 6.5 miles of shoreline to southern Puget Sound. This grant will focus on those tasks which are associated with the estuary's future biological conditions. Tasks in this "Biological Investigation Phase I" are a Reference Estuary Study, a Bathymetric Study, a Hydraulic and Sediment Transport Model, and a Report on the Anticipated Future Biological Conditions. Both a public and peer review process are integrated into the project to address community concerns about the study objectivity. The CLAMP entities with the assistance of a consultant prepared the scope of work and cost estimate for the entire estuary study. SRFB funds are not being sought for the next phase, "Community and Fiscal Analysis - Phase II".

Project Ref	Grantee	Project Name	State
04-1442-2004	WA IAC	Kitsap Nearshore Salmon Habitat Assessme	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$181,050	$0	Puget Sound

Project Description

The marine nearshore of Kitsap County plays a critical role in the recovery of salmon populations in Puget Sound. In spite of this intrinsic value, the functions remain largely unquantified for approximately 220 miles of East Kitsap County. Kitsap County in partnership with Battelle Marine Sciences Laboratory is proposing a nearshore assessment to fill this data gap.

The assessment framework is based on a conceptual model that integrates the best available science for nearshore ecosystems in Puget Sound. It is based on, and directly complements, the methods developed for the City of Bainbridge Island nearshore habitat assessment. Landscape ecology and geomorphic context will be critical tools for applying the framework to Kitsap County shorelines. Georeferenced data will be collected in the field and compiled from existing sources to determine the assessment score for each stretch of shoreline. The scores will be used to determine the level of disruption to nearshore processes and functions at the two scales (reach and management area). Prioritization of preservation/restoration actions will be based on the relative scores at each scale. We will attempt to validate the assessment scores with some specific functional parameters for juvenile salmon use of the nearshore. The results of this assessment will complete a habitat inventory for the East Kitsap Peninsula and allow the Lead Entity to accurately and efficiently identify critical areas and landscape features to protect and restore for salmon.

Project Ref	Grantee	Project Name	State
04-1467-2004	WA IAC	Lower Boise Creek Design	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	15-FEB-05-30-JUN-07	Watershed and Sub-basin Planning and Assessment	$160,690	$0	Puget Sound

Project Description

The Lower Boise Creek Design project seeks to design a project to restore channel, floodplain, and riparian conditions at the mouth of Boise Creek, a right-bank tributary to the White River at approximately river mile 23.3. The project would design the relocation of the lowest 500 feet of channel into newly constructed channel approximately 1200 feet in length. It would restore the historic channel gradient and create valuable salmonid habitat. Boise Creek is one of the most productive tributary salmon streams in the White River Basin for chinook, coho, and steelhead. This design project fits well with the WRIA strategy since it is identified as a near-term priority in the Salmon Habitat Protection and Restoration Strategy for WRIA 10 and 12. This funding request is for $160,690 to complete final design and permitting.

Strong public support for salmon recovery is essential to the success of watershed plans, regional recovery, and to provide ongoing funding for salmon recovery. Since this project occurs on easily accessable public land, it provides a unique opportunity to promote public education relative to watershed health and salmon recovery. This project provides an ideal situation to develop and nurture partnerships that will contribute to future salmon benefits and will serve as an example to encourage new salmon habitat projects on private lands.

Project Ref	Grantee	Project Name	State
04-1474-2004	WA IAC	WRIA 14 Nearshore Project Development	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$74,662	$0	Puget Sound

Project Description

SPSSEG in partnership with the Squaxin Island Tribe will organize a cooperative effort that will identify and design up to 5 nearshore projects in WRIA 14. Typically, designs are prepared to 30% and can be used for permitting, probable construction cost, and construction feasibility. Local and regional experts will provide scientific input on the potential restoration project list. Project types may include bulkhead removal, wood and gravel recruitment, restoring pocket estuary function, dam and levee removal, tidal culverts and others. Projects that provide the greatest benefit to salmon, high likelihood of success, and landowner willingness will likely be considered for restoration actions.

Several SRFB funded nearshore assessments have recently been completed in the deep South Sound. This new information will provide a clear direction for project selection and will be used to develop a competitive list of feasible nearshore restoration projects. SPSSEG will utilize the data from the assessments and review with project stakeholders and nearshore experts to identify potential projects that fit with the WRIA 14 strategy. SPSSEG will develop landowner contacts for the projects with highest salmon benefits. SPSSEG has been successful implementing similar projects with anadromous barriers in the freshwater systems. This project will use previously SRFB funded assessments that directly leads to on-the-ground restoration projects in WRIA 14.

Project Ref	Grantee	Project Name	State
04-1480-2004	WA IAC	Priest Basin Barrier Assessment	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$85,563	$0	Pend Oreille

Project Description

This project will identify fish passage barriers, utilize priority habitat indexing (to quantify available habitat and its quality) & rank barriers for correction (using WDFW Priority Indexing). This is a cooperative project between the Pend Oreille Conservation District & the Idaho Panhandle National Forest that will assess 100+ miles of stream and well over an estimated 150 road-based stream crossings within the Priest River portion of the Pend Oreille (PO) Watershed. The Forest Service is currently doing a culvert inventory on lands held within Idaho. This coordinated effort will meet data needs for both WDFW and the Forest Service. The project will assess streams on public and private lands, from the state border upstream to the limits of fish distribution.

Although POCD has already conducted these surveys elsewhere in the PO Watershed, extensive surveys of this type have not been completed on Priest River portion of the watershed. This project will help identify & prioritize future native fish restoration projects that address fish passage problems. The project will take approximately two years of fieldwork to complete.

Survey data will be entered into the WDFW fish passage barrier and the Forest Service culvert inventory databases. After prioritization is complete the top five projects from the list will have preliminary design work completed; however, correction of fish passage barriers will be based on a holistic watershed approach that includes downstream barriers in Idaho.

Project Ref	Grantee	Project Name	State
04-1487-2004	WA IAC	Upper South Fork Project Development	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-APR-05-31-JUL-07	Watershed and Sub-basin Planning and Assessment	$119,479	$0	Puget Sound

Project Description

This proposal is to use empirically derived data to prescribe, prioritize and provide preliminary design for restoration projects that address critical habitat needs of South Fork chinook and other WRIA 1 priority salmonid species. The 18-mile project reach is from the Saxon Road Bridge below the mouth of Skookum Creek at River Mile 12.7 to the natural barrier near River mile 30.5. This reach has been designated in the WRIA 1 Recovery Plan as the highest priority category for habitat restoration for Nooksack stocks. Projects developed in this process will address issues of habitat diversity, habitat quantity, channel stability sediment load, and water quality. They will address habitat needs for adult holding, fry colonization and egg incubation.

This project will build on an approach used successfully in the South Fork Acme-Saxon Reach and underway in the South Fork Acme to Confluence Reach. The approach assesses the empirical habitat conditions of the reach and then develops prioritized project prescriptions and treatments that will restore natural habitat forming processes while also addressing critical short to medium term habitat needs of the targeted species-lifestyles. Nooksack Tribe will be a project participant and Whatcom Land Trust will be a supportive landowner.

Project Ref	Grantee	Project Name	State
04-1517-2004	WA IAC	Irwin CMZ Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$82,450	$0	Upper Columbia

Project Description

The CCNRP will implement Phase I of the Irwin Channel Migration Zone (CMZ) Feasibility Project to ultimately provide off-channel refuge habitat for endangered spring Chinook, and endangered summer steelhead trout within the L. Wenatchee R. This project is prioritized as a "Top 10" highest-priority project for fisheries restoration within the L. Wenatchee R. as part of the SRFB-funded Wenatchee River CMZ Study (2004). As recommended by Upper Columbia Regional Technical Team (June 2004), this project will involve two Phases. Funding for this Phase will be used to complete a hydrogeomorphic feasibility study of several alternatives to determine the design that is most appropriate for the dynamics of the environment. Construction would then occur in Phase II.

Within the lower Wenatchee River the disconnection of off-channel habitat and floodplain, and the reduction of native woody riparian vegetation, has resulted in the lack of off-channel juvenile salmonid refuge. This is the primary habitat limiting factor (HLF) within the L. Wenatchee R. As identified in the CMZ Study, opportunities for the reconnection of abandoned off-channel habitat are extremely limited within the L. Wenatchee R. Off-channel habitat construction is the most feasible tool for directly addressing the availability of rearing habitat for juvenile Chinook, and steelhead. By increasing the availability of off-channel habitat, this project directly addresses the priorities of the UCR Biological Strategy.

Project Ref	Grantee	Project Name	State
04-1537-2004	WA IAC	Clallam River Habitat Assessment	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$85,000	$0	Puget Sound

Project Description

We propose a systematic watershed-scale habitat assessment of the Clallam River, building upon existing information. Using this comprehensive assessment, the project will also develop a prioritized list of actions to alleviate limiting factors identified. It is envisioned that this work would be guided by a "restoration workgroup", modeled on the Dungeness River Restoration Workgroup. The workgroup will include technical representatives from the project sponsors, as well as local citizens from Clallam Bay and the watershed.

The Clallam River flows through the community of Clallam Bay and has been under intense scrutiny recently. Rapid and significant changes in the location of the river mouth threaten State and County Park infrastructure. The periodic closure of the river mouth during low flows has been identified as a potential barrier to salmon migration, and in 1998 the river was placed on the 303(d) list for temperature. The WRIA 19 LFA identified fine sediment, road density, riparian condition, barrier culverts, and lack of LWD as additional factors limiting salmon production in the river. Despite these conditions, the Clallam River remains a viable salmon stream, with the potential for greater production (possibly including a chinook run), as emphasized by its Tier 2 status in the NOPLE strategy. We believe that this project will lead to the most effective use of resources when implementing prioritized restoration actions within the watershed.

Project Ref	Grantee	Project Name	State
04-1538-2004	WA IAC	Gagnon CMZ Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$82,450	$0	Upper Columbia

Project Description

Chelan County will implement Phase I of the Gagnon Channel Migration Zone (CMZ) Feasibility Project to ultimately provide off-channel refuge habitat for endangered spring Chinook, and endangered summer steelhead trout within the Lower Wenatchee River. This project is prioritized as a "Top 10" highest-priority project for fisheries restoration within the Lower Wenatchee River. as part of the SRFB-funded Wenatchee River CMZ Study (2004). As recommended by Upper Columbia Regional Technical Team (June 2004), this project will involve two Phases. The results of Phase I will be used to construct the most appropriate habitat restoration action at the Gagnon CMZ Site (P II).

Within the lower Wenatchee River the disconnection of off-channel habitat and floodplain, and the reduction of native woody riparian vegetation, has resulted in the lack of off-channel juvenile salmonid refuge. This is the primary habitat limiting factor (HLF) within the Lower Wenatchee River. As identified in the CMZ Study, opportunities for the reconnection of abandoned off-channel habitat are extremely limited within the Lower Wenatchee River. Off-channel habitat construction is the most feasible tool for directly addressing the availability of rearing habitat for juvenile Chinook, and steelhead. By increasing the availability of off-channel habitat, this project directly addresses the priorities of the Chelan County Lead Entity Strategy. Funding for this Phase will be used to complete a hydrogeomorphic feasibility study and project design.

Project Ref	Grantee	Project Name	State
04-1552-2004	WA IAC	Juvenile Salmon Nearshore Utilization	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-FEB-05-30-JUN-07	Watershed and Sub-basin Planning and Assessment	$131,620	$0	Puget Sound

Project Description

Juvenile salmon from throughout Puget Sound and the Fraser River pass through the San Juan Islands on their outbound migrations, but relatively little is known about the extent to which they take advantage of the mosaic of nearshore habitats offered by the islands. Habitat preferences may simply represent opportunistic responses to prey distribution and abundance; or represent life history diversity within and between species and stocks. An effective strategy for salmon recovery must take account of how juvenile salmon make use of habitat diversity. Priorities cannot be assigned to protection of different WRIA 2 habitats until their importance to particular salmon stocks of concern is determined.

The proposed study will use an 80-ft beach seine to assess juvenile salmonid presence in two San Juan archipelago habitat types: one in which juvenile salmonids have recently been confirmed (beaches dominated by sand and gravel), and one that is widely regarded as important to salmon (eelgrass). Sampling will be carried out for two years at six sites on Orcas and Waldron Islands (18 sampling dates per year; each site seined on both ebb and flood tide on each date with three replicates). Three additional sites will be assessed continuously using underwater video cameras, which will also permit public viewing. Three series of offshore trawls in spring, early summer and late summer will enable us to distinguish through-migrants from nearshore users.

Project Ref	Grantee	Project Name	State
04-1576-2004	WA IAC	Influence of Carcass Analogs for Rest.	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	15-JAN-05-30-JUN-08	Watershed and Sub-basin Planning and Assessment	$172,000	$0	Lower Columbia

Project Description

The objective of this project is to illustrate the importance of food in the freshwater aquatic ecosystem that ultimately determines the rearing density of wild juvenile salmonids. This project will place carcass analogs in stream sections within the Lewis and Wind River watersheds previously identified by USGS as being nutrient poor. The analogs are pasteurized, nutrient-rich, low cost, easy to handle and transport, and are formulated to mimic the rate of decay of actual salmon carcasses. After placement of carcass analogs, USGS will monitor the responses of algae, aquatic insects, anadromous fish, and water chemistry over the growing season and compare the responses to those from nearby streams that receive no nutrient enhancement.

Successful completion of this project will allow the region to reach its salmon recovery goals in a timely and cost effective manner by providing scientific support to the concept of implementing a programmatic approach to distributing carcass analogs throughout the lower Columbia River basin using existing non-native biomass (shad) and salmon carcasses from local hatcheries as the source of protein for the carcass analogs.

The results of this project will be shared with the tribes, NOAA Fisheries, USFS, USFWS, WDFW, BPA and the local Lead Entities responsible for salmon recovery. Project partners include USGS, USFS, WDFW, Dr. Ken Ashley and several local conservation groups.

Project Ref	Grantee	Project Name	State
04-1587-2004	WA IAC	Qwuloolt Estuary Restoration - Phase II	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$210,594	$0	Puget Sound

Project Description

The loss of habitat in to the lower Snohomish River estuary has been significant, only 17% of the area remains. It is estimated these habitat changes have reduced Chinook production capacity to between 40% and 61% of its historic level. The goal of this project is to restore estuarine processes to 300+ acres and restore natural hydrologic connection to two stream systems. Objectives include; (1) removal or breaching of dikes to restore estuarine intertidal processes, (2) removal of tide gates on Allen Creek and Jones Creek. The Qwuloolt Project is adjacent to the City of Marysville, along Ebey Slough in the lower Snohomish River. The project is located in one of the focus areas for near term actions and addresses all the actions suggested in the Interim Habitat Protection Restoration Strategy for this focus area. Increasing the amount of tidal marsh, habitat complexity, and reducing habitat fragmentation will provide significant improvements in Chinook salmon abundance, productivity, and diversity. Implementation of this project will occur in four phases: Phase 1 - feasibility, property acquisition, and studies; Phase 2 - alternatives development, environmental and public review, and studies; Phase 3 - permitting, design, and construction; Phase 4 - Monitoring. This project sponsor is requesting SRFB funds to implement Phase 2 of this project, development of alternatives, environmental and public review, and complete studies necessary to estimate construction costs.

Project Ref	Grantee	Project Name	State
04-1590-2004	WA IAC	Morse Creek Restoration Feasibility Stud	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	03-DEC-04-30-JUN-08	Watershed and Sub-basin Planning and Assessment	$160,500	$0	Puget Sound

Project Description

Morse Creek, historically highly productive but channelized along the east side of its valley is degraded to the point of little productive spawning/rearing habitat. NOPLE Strategy recommends a watershed scale plan to recover and restore the past productivity of 8 anadromous species. Phase I was acquisition of Morse Creek's floodplain wetland complex. Phase II engineering, hydraulic & ecological analysis provide: longterm vision for restoration of Morse Creek & Estuary; engineering plans for short & long term projects; includes nearly ½ of historic salmonid habitat. Outcomes: accurate cost estimation & a process for landowner outreach, participation & community stewardship.
Objectives:
develop a watershed recovery strategy w/ sequencing of restoration activities to understand the scale of effort for recovery
analyze specific design options on WDFW property for channel restoration; hydraulic engineering of alternatives: no action, re-meandering through wetlands, or restoration of existing channel. Cost estimate for alternatives
analyze impacts of/to Hwy 101 plus upstream and downstream floodplain residential communities & estuary, including 1.5+ mi of degraded habitat in the 4 Seasons development. Projects based upon feasibility follow in future phases especially for ESA listed Chinook stock restoration.
·Early action may include LWD placement design for the upper watershed, the best habitat refuge supporting the majority of spawning for critical stocks such as pink salmon.

Project Ref	Grantee	Project Name	State
04-1604-2004	WA IAC	Walla Walla /Spring Branch Hab As	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$0	$29,325	Middle Columbia

Project Description

The spring source creeks and distributaries that enter the Walla Walla River south and west of Walla Walla/College Place have been identified as an important potential habitat area for steelhead and spring Chinook in the Walla Walla Subbasin Plan Assessment (Walla Walla County 2004). These streams include: East Little Walla Walla system; West Little Walla Walla system; McAvoy Creek; Walsh and other springs and streams in the study area. The East Little Walla Walla Drainage is known to support a small population of steelhead. It is unknown whether spawning in this or the other streams has been successful or if it is primarily used for rearing. The proposed assessment will confirm existing habitat conditions through limited data collection, assess historical hydrological data and compare to current conditions, conduct further EDT and HCP life cycle model analysis on the Washington portion of the Little Walla Walla/spring branches system, identify habitat restoration potential for steelhead and spring Chinook, and identify specific habitat projects for implementation. Primary habitat conditions for the proposed assessment include riparian, instream habitat, channel, flow and fish passage. Projects will be identified that benefit both the Little Walla Walla/spring branches system and the Walla Walla mainstem, which receives waters from this system. The Walla Walla mainstem has been identified as a high priority restoration and protection area in the May 2004 Subbasin Plan, with flows and water temperatures as significant l

Project Ref	Grantee	Project Name	State
04-1606-2004	WA IAC	Hofer Dam Fish Passage Project - Phase 1	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$141,201	$0	Middle Columbia

Project Description

Hofer fam is a diversion for the Eastside/Westside Irrigation Ditrict which is located 4.1 miles above the mouth of the Touchet River. The Touchet River, which is the largest tributary to the Walla Walla, provides habitat for ESA listed Mid-Columbia Steelhead and Bull Trout as well as Spring Chinook which were reintroduced in the Walla Walla Basin in 2000. Hofer Dam is a barrier to adult salmonids migrating from the ocean to spawning grounds in Touchet River headwater streams and an imminet through to out migrant juveniles moving down strem. Most basin stakeholders agree that threat to outmigrant juveniles moving downstream. Most Basin stakeholders agree that Hofer Dam is the biggest and most comples passage barrier for adults in the watershed and the passage must be improved at this site if we are to recover mid-Columbia Steelhead, successfully re-establich spring Chinook and maintain the genetic viability fo bull trout in the Basin. The Confederated Tribes of the Umatilla Indian Reservation and BPA attempted to identify an acceptable alternative and sercure funds to iumplement at passage improvement project at Hofer Dam in the mid-1990's but were unsuccessful in that endeavor.

Project Ref	Grantee	Project Name	State
04-1617-2004	WA IAC	Assess of Landowner Interest in Cons Eas	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$30,017	$0	Middle Columbia

Project Description

Blue Mountain Land Trust is proposing to conduct an assessment of landowner interest in pursuing conservation easements, preventing degradation and promoting protection of important fish habitat. The assessment will focus on Snake River Region (WRIA 32) priority protection drainages; Walla Walla River, Coppei Creek, and Touchet River between Waitsburg and Dayton, where there is Summer Steelhead spawning and rearing. We will also focus the assessment on Mill Creek where there is Spring Chinook & Steelhead migration and Bull Trout over wintering, and where there is increasing development pressure near the city of Walla Walla.
Significant analyses of fish populations, habitat limiting factors, and restoration/protection actions have been completed for the region. 90% of the Walla Walla Basin is privately owned. Therefore, identified restoration/protection strategies depend on landowner willingness.
The potential size of protection projects is an important factor to consider when strategically prioritizing project areas. Landowners will become more familiar with conservation opportunities, while BMLT and others determine landowner interest, assisting with the prioritization of protection efforts for salmonid habitat ecosystems in this critical time of expanding development. Through landowner analysis and the knowledge of fisheries experts, this project will result in a prioritized list of sub-reaches.

Project Ref	Grantee	Project Name	State
04-1624-2004	WA IAC	Fisher Slough Acquisition & Feasibility	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$338,575	$0	Puget Sound

Project Description

This project acquires ~50 acres of farmland within the riverine tidal wetland range of the Skagit estuary and generates a 90% design for restoration of the land to channel, scrub-shrub, forested wetland, and tributary junction habitats critical for chinook and coho juvenile rearing. In addition, this project assesses ecosystem functions supplied by the Fisher Slough subbasin, including hydrology and geomorphology, and provides conceptual alternatives for addressing high priority problems. The project site is adjacent to Fisher Slough, a tributary tidal slough of the Skagit River's south fork. In addition to the Skagit, Fisher Slough receives flows from three coho-bearing tributaries (Carpenter, Big Fisher and Little Fisher). The project was proposed by the landowner, a farmer who desires to provide an opportunity for habitat and farm interests to cooperate on a mutually beneficial project. Chinook will benefit from additional habitat and flooding on farmland upstream will be alleviated. The Nature Conservancy, Dike District 3 and Skagit County are the project's principal implementation partners. This is a project of the Greater Skagit Delta Initiative whose members include Skagit Watershed Council, Skagitonians to Preserve Farmland, the Trust for Public Land and The Nature Conservancy. Additional partners will include Skagit River System Cooperative, Skagit Conservation District and Drainage District 17.

Project Ref	Grantee	Project Name	State
04-1625-2004	WA IAC	McGlinn Island Causeway Feasibility	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JAN-05-31-DEC-06	Watershed and Sub-basin Planning and Assessment	$159,550	$0	Puget Sound

Project Description

We propose a feasibility study to restore historical connectivity between the North Fork Skagit River (the river) and the Swinomish Channel (the channel, which connects Skagit Bay to Padilla Bay). The study will predict freshwater/tidal mixing, sediment transport, and salmon migration success under various restoration alternatives. A 30%-level engineering design will be completed for the preferred alternative. The restoration goal is to maximize fish passage from the river through the channel to Padilla Bay, while minimizing sediment input to the channel. Channel dredging began in the 1890s so local farmers could transport goods to market. Dredge spoils were used to build a causeway between LaConnor and McGlinn Island, to block freshwater flow/sediment transport from the river to the channel. In 1938 a jetty was built to further restrict river-channel connectivity. The causeway/jetty have also greatly restricted juvenile salmonid access to extensive rearing habitat in Padilla Bay. In addition to physical obstruction of migratory pathways for juvenile (and returning adult) salmon, reduced freshwater input to the channel has greatly increased channel salinity and created a physiological barrier for juvenile chinook, which are very sensitive to high salinity. Restoration of river-channel connectivity is necessary to allow juvenile salmon to access rearing habitat in Padilla Bay. It is also a necessary precursor to further salmon habitat restoration along the channel.

Project Ref	Grantee	Project Name	State
04-1640-2004	WA IAC	Rawlins Road Estuary Feasibility	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$131,725	$0	Puget Sound

Project Description

The proposed feasibility study evaluates alternatives for restoring estuary habitat in the western section of Fir Island that extends generally from the Browns/Hall Slough complex on Fir Island westward into public lands administered by the Washington Department of Fish and Wildlife that are outside the bayfront dikes on Fir Island (Figure 1). The study area is located within the highest priority target area (Skagit Estuary) identified within the Skagit Watershed Council Strategic Approach. The landscape process and habitat enhancements evaluated by this study would directly improve habitat identified as a limiting factor for the production of juvenile Skagit chinook salmon listed as threatened species. The project objectives include characterizing existing site conditions, developing conceptual alternatives to restore estuarine habitat for juvenile salmonid rearing as well as other ecological benefits, and setting up a process for evaluating and selecting one or more alternatives for design and implementation. Conceptual alternatives will focus on restoring geomorphic processes that create and sustain habitat within this setting while analyzing potential costs and benefits of each alternative, including land use impacts such as drainage implications of each alternative. The project is co-sponsored by the Skagit Watershed Council (lead entity), the Western Washington Agricultural Association, and WDFW.

Project Ref	Grantee	Project Name	State
04-1641-2004	WA IAC	Ranking of Estuarine Habitat Restora	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	04-DEC-04-01-MAR-06	Watershed and Sub-basin Planning and Assessment	$45,000	$0	Washington Coastal

Project Description

Authors of the WRIA 24 Strategic Plan admit that insufficient work has been done to evaluate and rank the relative importance of estuarine areas of Willapa Bay as habitat for salmon and steelhead or to devise specific projects directed at restoring key estuarine habitat. The Strategic Plan and Limiting Factors analysis mention a number of potential problems affecting estuarine habitat: the invasion of exotic smooth cordgrass, displacement of native eelgrass, the loss of LWD, and loss of wetlands from diking and filling. The Strategy however includes no specific ranking of nearshore and estuarine habitat in Willapa Bay or potential restoration activities. This project will 1) assemble existing historic information to allow ranking the value of estuarine habitat for fish; and 2) sponsor a scientifically-grounded and community-based collaborative process for prioritizing specific portions of Willapa Bay in relation to their value for salmon and ranking restoration projects within those areas. CRA will involve scientists, ecologists, stakeholders and local citizens. Data will be presented to the group in a ARCMAP GIS format. CRA will offer methodologies for prioritization based on the existing scientific literature on the utilization of estuarine habitat by salmonids.

Project Ref	Grantee	Project Name	State
04-1657-2004	WA IAC	Mud Bay Shoreline Softening Feasibility	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-FEB-05-31-JAN-07	Watershed and Sub-basin Planning and Assessment	$38,850	$0	Puget Sound

Project Description

FRIENDS of the San Juans Mud Bay Shoreline Softening Feasibility Project will conduct a phase 1 feasibility and design project to restore nearshore marine condition and function in a critical forage fish habitat region of San Juan County (SJC). Shoreline armoring is a major contributor to loss of nearshore habitat, covering the upper intertidal zone, increasing beach scour and blocking sediment supplies. Detailed information on shoreline armoring structures located in forage fish spawning habitat was used to rank potential project sites. Mud Bay, Lopez Island was ranked as the highest priority restoration site.

The Mud Bay Shoreline Softening Feasibility Project will complete design, permitting and landowner involvement to remove low rock along a county road and wood bulkheads on private properties, which have changed the natural beach processes of Mud Bay. A reduction of suitable spawning habitat in documented surf smelt and Pacific herring spawn locations has also occurred. Mud Bay's extensive shallow water ecosystem provides important feeding and rearing habitat for juvenile salmon as well as for salmonid prey species. Mud Bay has year-round surf smelt spawning and is located within one of San Juan County's four critical nearshore marine habitat regions.

The site includes public beach access enhancing its value as a demonstration project for land managers, shoreline landowners, and the general public. The phase 2 implementation of the restoration project would be completed in subsequent SRFB funding cycles.

Project Ref	Grantee	Project Name	State
04-1697-2004	WA IAC	Assessment of Eelgrass Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	15-DEC-04-28-FEB-07	Watershed and Sub-basin Planning and Assessment	$94,979	$0	Puget Sound

Project Description

The goal of the Assessment of Eelgrass Restoration project is to restore eelgrass (Z. marina) in the Westcott Bay complex - a biologically rich area that sustains migratory and resident species including salmon, herring, surf smelt, and crab. Recent surveys indicate that more than 45 acres of this valuable resource has disappeared from Westcott Bay.

FRIENDS of the San Juans will lead this collaborative effort to evaluate Westcott Bay's habitat conditions and establish sites where restoration will be most successful. Westcott Bay's suitability for eelgrass restoration will be assessed by initiating pilot eelgrass transplanting. Eelgrass will be dispersed using a state approved buoy deployed seeding system and, if necessary, whole plant units. Transplant success will be monitored using a combination of hydroacoustic and videographic techniques. Protocols for eelgrass restoration using seed buoys will be created for the region. Also a disturbance/recovery model will be outlined for eelgrass in Westcott Bay. The project will use volunteers and educate citizens about eelgrass. If habitat restoration is successful vital habitat connectivity will be provided for Pacific herring and salmon species (especially juvenile out migrants). If the habitat is not suitable, a sustained effort to determine the causative agent(s) will be advocated. Project results will provide a scientific baseline for future restoration efforts in areas where reductions in eelgrass are found.

Project Ref	Grantee	Project Name	State
04-1700-2004	WA IAC	Wenatchee Instream Flow Habitat Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$170,000	$0	Upper Columbia

Project Description

The proposed habitat project will determine appropriate insteam flows for salmon, bull trout, and steelhead in the lower Wenatchee River and several of its tributaries, including Peshastin Creek, Nason Creek, Chiwawa River, Chumstick Creek, and Mission Creek. Step 1 of the project is the technical assessment and is not being proposed for SRFB funding. It is being funded through 2514 watershed planning funds and Bureau of Reclamation BiOp funds and includes synthesizing fish habitat analyses with analyses of channel morphology. The technical assessment will result in the development of Weighted Usable Area (WUA) Curves.

SRFB funding is being sought for Step 2 of the project, alternatives analysis, where appropriate instream flows will be established for listed salmon and steelhead. An array of alternative instream flow and habitat regimes, each quantitatively described, will be compared with baseline conditions. These alternatives will be evaluated and instream flow recommendations and habitat management alternatives will be developed for inclusion in the final Wenatchee Watershed Plan in April 2006. Future projects to be identified through this study include the protection of instream flows through establishment of minimum instream flow levels for listed salmonids; the restoration of instream flows through conservation, lease or purchase of water rights; and coordination with other channel process and temperature studies.

Project Ref	Grantee	Project Name	State
04-1701-2004	WA IAC	Beebe Springs Restoration Phase 1	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-FEB-05-01-DEC-05	Watershed and Sub-basin Planning and Assessment	$84,092	$0	Upper Columbia

Project Description

Grant funds are requested for Phase 1, design and site investigation costs, necessary for construction of a new floodplain and meandering channel for Beebe Creek, a small tributary to the Columbia River near Chelan Falls. The creek conveys 15 cfs of spring and well water from the WDFW Chelan Hatchery to the river via a high-gradient blackberry-lined ditch on WDFW property. Aside from the blackberry, riparian vegetation is absent along most of the channel, as is woody debris. Boulder drops provide most of the energy dissipation in this sand-dominated channel, and pockets of gravel in plunge pool tail-outs provide minimal spawning habitat. Despite its degraded state, the channel supports steelhead spawning and rearing, coho spawning, and spring chinook use. Summer chinook and bull trout have been observed at the mouth. Requested funds would cover Phase 1 costs of investigations to select the optimal channel location and configuration, determine fish production potential, and to prepare engineering designs and site restoration plans for the new floodplain and meandering channel. The design produced in Phase 1 would be used to construct (in Phase 2) a complex, low- to medium-gradient channel, at least four times longer than the existing channel, increasing the quantity and quality of salmonid spawning and rearing habitat. The prominent location of the project on SR 97 provides unique opportunities for educating the public about salmon and showcasing SRFB products.

Project Ref	Grantee	Project Name	State
04-1712-2004	WA IAC	Skokomish River & Floodplain Assessment	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$0	$270,825	Puget Sound

Project Description

There is a need to address ecosystem restoration and to restore natural function in the Skokomish River basin. The Skokomish River reach assessment and floodplain analysis will investigate geomorphic processes and fluvial dynamics of a southeast Olympic Peninsula river and floodplain. Specific studies have been performed in certain areas of the river for other investigations. The project will synthesize and compile such studies using a gap analysis that will provide a baseline foundational structure for further feasibility implementations. Feasibility investigations will include areas for habitat and floodplain enhancement, restoration and acquisition of both fee simple title and conservation easements. Channel migration zones will be identified as well as disturbed or disconnected off-channel areas that may be subjected to re-establishment with floodplain processes. Fluvial modeling will be conducted and current channel locations, cross-sections and site specific aggradation of the streambed will analyzed. The watershed hosts three listed stocks of fish including Puget Sound chinook, Hood Canal summer chum and bull trout. This project proposal is one that brings together the Tribe, Mason County, Mason Conservation District, WSDOT, and most critically, provides a funding match for securing additional support from the Army Corps of Engineers. The Corps will provide support from their diking reconnaissance of the Skokomish from the late 1990's and will lead the assessment.

Project Ref	Grantee	Project Name	State
04-1717-2004	WA IAC	Okanogan R.Thermal & Lidar Image-Phase 2	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	15-JAN-05-28-FEB-06	Watershed and Sub-basin Planning and Assessment	$41,787	$0	Upper Columbia

Project Description

The primary objective of the Phase I thermal survey (funded by SRFB in the 3rd round) was to collect temperature data for the water surface for select areas in the Okanogan River. Temperature is a primary limiting factor in defining habitat refugia and information about them is indispensable when considering mitigation and protection plans. A secondary objective was to collect detailed elevation data using LiDAR technology to provide high-resolution topographic data for the same length of river system together with approximately 50 meters of riparian zone on either side of the stream channels.
The realized benefits of integrating TIR with LiDAR data from Phase I include:
1. Greatly improved spatial definition and positioning of the thermal data;
2. Development of a rapid assessment technique to identify and document nodes of high salmonid habitat quality and a means to help prioritize opportunities for habitat restoration (5th round projects);
3. Identification of areas of poorest habitat quality with a view to possibly mitigating the extent of such areas (5th round projects);
4. The raw data necessary to simulate the various flow and floodplain management scenarios in producing high-quality salmonid habitat;
5. Improved understanding of the factors providing salmonid refugia

This project proposal is to initiate Phase II which will complete the GIS analysis of the remaining 106 miles of river data (in hand) and extend the coverage another 55 miles to include previously un-surveyed salmonid habitats.

Project Ref	Grantee	Project Name	State
01-1299-2003	WA IAC	Nisqually Shoreline Ownership	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	15-JUN-02-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$39,950	$0	Washington Coastal

Project Description

This assessment will produce a comprehensive database and mapped inventory of privately held property in the Nisqually and Mashel river corridors. This inventory will include parcel size, ownership (including contact name and telephone number), current land use and habitat characterization (including salmon habitat restoration potential), and assessment of the willingness of landowners to consider selling a property interest that would provide permanent riparian habitat protection. The inventory will include a priority list of acquisition targets.

Project Ref	Grantee	Project Name	State
02-1440-2003	WA IAC	Lewis County Habitat Assessment Phase 2	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$165,750	$0	Washington Coastal

Project Description

This project will perform a minimum of 50 priority indices on fish blockages. A Technical Advisory Committee (TAC) is in place to prioritize which culverts will be targeted. The TAC is made up of representatives from WDFW, USFWS, DNR, IAC, Lewis County Public Works, a small forest landowners association, Chehalis Confederated Tribe, and Grays Harbor County as the Lead Entity. This grant will continue to fill data gaps in the Limiting Factors Analysis document. In addition, the top ten (10) rated barriers will have cost estimate designs completed.

Project Ref	Grantee	Project Name	State
02-1441-2003	WA IAC	Four Basin Fish Passage Assessment	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-JUN-03-31-MAY-05	Watershed and Sub-basin Planning and Assessment	$0	$340,000	Washington Coastal

Project Description

This project will inventory, assess, and prioritize potential barriers to fish passage on anadromous streams in the Humptulips, Hoquiam, Wishkah, Wynoochee Subbasins and the Satsop West Fork watershed administrative unit. This will include culverts, dams, dikes, railroad grades, etc. The project will determine which structures are presently restricting fish passage, and prioritize those structures for repair using WDFW's barrier assessment and stream survey protocol. Passage barriers on both private and public lands will be identified. All data collected, including the database and GIS, will be distributed via hard copy and on CD-ROM to all interested parties.

Project Ref	Grantee	Project Name	State
02-1458-2003	WA IAC	Oxbow Culvert Design	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	15-MAY-03-15-APR-04	Watershed and Sub-basin Planning and Assessment	$0	$55,250	Washington Coastal

Project Description

This project will develop designs for two culverts on Oxbow Creek: two side-by-side 10-foot diameter culverts. The culverts are blocking five miles of fish bearing waters, which provide an important biological process of spawning and rearing to Chum, Coho, Chinook, Steelhead, and Cutthroat Trout. The culverts have a priority index of 40.43. This effort will collect all the requirements for the in-streams improvements and the culvert replacement data such as: hydraulic data, streambed conditions, stream morphology, and develop a design.

Project Ref	Grantee	Project Name	State
02-1467-2003	WA IAC	Herring Spawn Survey Ph III	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-30-JUN-04	Watershed and Sub-basin Planning and Assessment	$21,409	$0	Puget Sound

Project Description

Surf smelt, sand lance, and herring spawn throughout the San Juan Archipelago nearshore where extensive eelgrass beds and beaches nurse forage fish and salmon alike. This project will map eelgrass beds and spawn deposition site inventories as a means to identify previously undocumented herring spawning locations in San Juan County. The objective of these assessments are to identify subtidal vegetation supporting herring spawning using accepted protocols.

"No net loss" regulations protect both spawning and eelgrass sites only where habitat is established by protocol. To protect this habitat, site inventories and eelgrass boundaries must be complete and comprehensive. This project, Phase 3, will complete identification and mapping of salmon forage fish stocks and spawn deposition areas of herring; integrate herring data into a GIS database previously developed in Phases 1 and 2; increase public awareness of salmon recovery and habitat protection; provide information necessary for Phase 4 which is to apply appropriate protective mechanisms, restoration actions, and land acquisition.

Project Ref	Grantee	Project Name	State
02-1477-2003	WA IAC	WRIA 13 Prioritization and Development	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-03-31-AUG-05	Watershed and Sub-basin Planning and Assessment	$0	$74,006	Deschutes

Project Description

Ten projects will be prioritized and selected from the WRIA 13 barrier inventory that is currently being conducted by SPSSEG. The current SRFB funded barrier inventory identifies and evaluates anadromous barriers culverts on private roads and driveways, and provides missing data for culvert inventories completed by WDFW and Thurston Conservation District. This proposal will provide SPSSEG and cooperating partners with 30% engineered salmonid passable structure designs, cost estimates, landowner information, GIS maps, and site photographs for ten anadromous fish barriers.

Project Ref	Grantee	Project Name	State
02-1492-2003	WA IAC	Wiley Slough Restoration Design	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$145,000	$0	Puget Sound

Project Description

This project is to develop a 90% design to restore tidal and riverine processes to an area currently isolated by dikes and tidegates. The land is owned by WDFW and contains approximately 175 acres of former estuarine marsh and 16.3 acres of historic tidal channel. Restoration of estuarine functions to the Wiley Slough site would provide significant benefits to Chinook, Chum, Coho, Pink, Sockeye, Bull Trout, Steelhead and Cutthroat.

Project Ref	Grantee	Project Name	State
02-1500-2003	WA IAC	Acme-to-Confluence Reach Assessment	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$250,000	$0	Puget Sound

Project Description

The project collects habitat data to prioritize, design and implement acquisition & restoration projects on the lower South Fork Nooksack, the top priority area for Chinook. This assessment will identify habitat units, determine distributions & functions of LWD, assess riprap & levees, and assemble geomorphic & hydrologic data. Following prioritization, and working with willing landowners, a pilot restoration project will be designed and permited. This project complements the Lummi Nation assessment (2nd Rd. SRFB) just upstream in the Acme-to-Saxon reach.

Project Ref	Grantee	Project Name	State
02-1518-2003	WA IAC	Regional Culvert Inventory	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-30-JUN-06	Watershed and Sub-basin Planning and Assessment	$0	$264,580	Lower Columbia

Project Description

The proposed Regional Culvert Assessment project is a collaborative effort between multiple private landowners, Clark Conservation District, Cowlitz/Wahkiakum Conservation District, Clark County, WDFW, and Lower Columbia Fish Enhancement Group. The inventory effort will review previous culvert assessments, identify data gaps, assess habitat, and provide preliminary designs and cost estimates for the highest priority sites.

Project Ref	Grantee	Project Name	State
02-1531-2003	WA IAC	Lake Quinault Fertilization	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-03-30-APR-07	Watershed and Sub-basin Planning and Assessment	$0	$609,967	Washington Coastal

Project Description

Lake Quinault is an ultra-oligotrophic sockeye nursery lake located on the Olympic Peninsula of Washington State. Since 1950, sockeye runsizes, escapements, and harvests have declined significantly. In essence, the lake acts as a "bottleneck" to smolt sockeye production. The fertilization of Lake Quinault project proposes to increase smolt sockeye production and runsizes by enhancing primary and secondary productivity through the addition of low-level concentrations of liquid fertilizer containing N and P over a 5-year period. QFID will monitor the effects of fertilization by examining primary and secondary productivity and correlating changes to juvenile sockeye growth.

Project Ref	Grantee	Project Name	State
02-1532-2003	WA IAC	Habitat Inventory & Utilization	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-03-01-MAR-06	Watershed and Sub-basin Planning and Assessment	$300,000	$0	Puget Sound

Project Description

This project will conduct a comprehensive habitat inventory of the lower sub-watersheds and a targeted sampling program of juvenile salmonid habitat use and survival. These efforts will result in 1) a GIS database of habitat conditions and fish utilization and 2) scientific criteria that will be used to identify and prioritize habitat protection and restoration projects. Juvenile salmon habitat use and survival data can be used to increase the effectiveness of habitat restoration designs and target preservation actions.

Project Ref	Grantee	Project Name	State
02-1577-2003	WA IAC	Deer Harbor Bridge/Restoration Design	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-31-MAR-06	Watershed and Sub-basin Planning and Assessment	$0	$139,600	Puget Sound

Project Description

This project will provide engineering & design specifications for a new bridge at Deer Harbor that impacts estuary/nearshore salmonid habitat. It will also compile the technical data to meet permit requirements for bridge construction, channel clearing, and establish baselines for post-construction restoration. Construction of the bridge has constricted tidal flux through the estuary, altered sediment deposition patterns, affected eelgrass meadows and reduced the amount of accessible habitat.

There is broad community support at Deer Harbor for restoring salmonid habitats, in particular by replacing the existing bridge with one that is compatible with natural tidal flux and stream flows, as well as restoring native sub-tidal and inter-tidal vegetation. This is also a rare case of collaboration between a non-Indian community and an Indian tribe that has cultural and treaty interests in the watershed.

Project Ref	Grantee	Project Name	State
02-1609-2003	WA IAC	Skykomish R Braided Reach Restore Assess	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-28-FEB-05	Watershed and Sub-basin Planning and Assessment	$0	$150,000	Puget Sound

Project Description

The Skykomish River between the cities of Goldbar and Sultan is known as the braided reach. While high quality salmonid habitat is still intact along portions of the reach, other areas have been highly modified. This proposal is to conduct a comprehensive reach-scale analysis, including data collection and analysis of channel morphology, floodplain topography, hydrology, hydraulics, and riparian conditions and habitat for Chinook and other salmonids. The goals are to fill data gaps and to flush out the ideas proposed in the nearterm strategy into effective restoration projects.

Project Ref	Grantee	Project Name	State
02-1624-2003	WA IAC	Cedar Rapids Floodplain	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-MAY-03-31-MAY-05	Watershed and Sub-basin Planning and Assessment	$424,000	$0	Puget Sound

Project Description

Building on a Round II SRFB acquisition grant, this combination project will acquire addtional land and complete a restoration design for the Cedar Rapids reach. The project will acquire ~5 acres to provide adequate space for overbank flows and off channel habitat, and develop a restoration plan on the 1/2 mile reach. The objective is to restore channel complexity and facilitate formation of off channel habitat, both are limiting factors on this reach. The restored reach will provide spawning and rearing habitat for chinook as well as coho, sockeye, steelhead, and cutthroat trout.

Project Ref	Grantee	Project Name	State
02-1636-2003	WA IAC	Assessment of the White Salmon Watershed	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-03-31-JAN-05	Watershed and Sub-basin Planning and Assessment	$64,293	$0	Middle Columbia

Project Description

The objectives of this Ecosystem Diagnosis and Treatment (EDT) assessment of the White Salmon Watershed will help develop and prioritize alternative riparian and in-stream habitat projects. This project does not assume or depend on the removal of Condit Dam, but it does attend to the high interest and likelihood for some sort of structural modification to or near the dam to reconnect the watershed to the anadromous fish runs of the Columbia River.

Project Ref	Grantee	Project Name	State
02-1643-2003	WA IAC	Lower Tolt River Floodplain Reconnection	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	05-MAY-03-01-JUN-06	Watershed and Sub-basin Planning and Assessment	$200,000	$0	Puget Sound

Project Description

A feasibility study proposed and analyzed four restoration options for the Lower Tolt Floodplain Reconnection project. The preferred alternative has been selected, and King County and the City of Seattle will complete the design, permits, and monitoring plan to restore active floodplain area in the lower 1.1 miles of the Tolt River by setting back levees and naturalizing the restored floodplain area. This project will improve spawning and rearing conditions for salmonids, including Snoqualmie Fall Chinook that spawn in the Tolt River in large numbers, comprising 17.5% of annual escapement.

Project Ref	Grantee	Project Name	State
03-1209-2003	WA IAC	Lead Entity Support 03-05 biennium	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$1,625,000	Washington

Project Description

Provide WDFW administrative support and funding to 26 lead entities.

Project Ref	Grantee	Project Name	State
03-1233-2003	WA IAC	Snake River Recovery Planning 03-05	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$986,500	$0	-

Project Description

Recovery plan for Washington portion of chinook, possibly sockeye, steelhead ESU's, and bull trout DPS developed by 6/05.

Region includes four NWPCC sub-basins, three WRIA's, five counties, and two tribes. The sub-basin plans will be completed and "endorsed" by co-managers by May 2004.

Project Ref	Grantee	Project Name	State
03-1234-2003	WA IAC	Upper Columbia Recovery Plan 03-05	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$1,146,016	$0	-

Project Description

Recovery plan for bull trout DPS, steelhead, and spring chinook ESU's and possibly others by 6/05.

Region includes three counties, two tribes, entire ESU for endangered Upper Columbia spring chinook and steelhead, six NWPCC sub-basins, seven WRIA's, and portions of Canada.

Project Ref	Grantee	Project Name	State
03-1235-2003	WA IAC	Mid-Columbia Recovery Planning 03-05	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$233,000	$0	-

Project Description

Recovery plan for portions of mid-Columbia steelhead ESU and bull trout DPS by 12/05.

Region includes two counties, three NWPCC sub-basins, and three WRIA's.

Project Ref	Grantee	Project Name	State
03-1236-2003	WA IAC	Lower Columbia Recovery Planning 03-05	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$104,757	$0	-

Project Description

Recovery plan for the entire Washington portion of the lower Columbia chinook, steelhead, chum, and coho ESUs and bull trout DPS by 6/05.

Region includes five counties, eleven NWPCC sub-basins from the Chinook River to the Little White Salmon, and five plus WRIA's .

Project Ref	Grantee	Project Name	State
03-1237-2003	WA IAC	Puget Sound Recovery Planning 03-05	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$1,178,079	$0	-

Project Description

The Shared Strategy for Puget Sound is a collaborative effort to protect and restore salmon runs across Puget Sound. Participants include federal and state agencies, tribes, local governments, and key non-governmental organizations from the 12 counties and 19 WRIAs within the region.

Shared Strategy engages local citizens, tribes, technical experts and policy makers to build a practical, cost-effective recovery plan endorsed by the people living and working in the watersheds of Puget Sound. They have identified five stages to creating the recovery plan for Puget Sound chinook:
1) Identify what should be in a recovery plan and assess how current efforts can support the plan.
2) Set recovery targets and ranges for each watershed.
3) Identify actions needed at the watershed level to meet targets.
4) Determine if identified actions add up to recovery. If not, identify needed adjustments.
5) Finalize the plan and actions and commitment necessary for successful implementation.
The Shared Strategy is committed to producing a draft recovery plan by June 2005.

Project Ref	Grantee	Project Name	State
03-1238-2003	WA IAC	Hood Canal Recovery Planning 03-05	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$435,477	$0	-

Project Description

The Hood Canal Coordinating Council is a watershed based Council of Governments that was established in 1985 in response to concerns about water quality problems and related natural resource issues in the watershed. It is made up of a Board of Directors including Regular Board Members (Jefferson, Kitsap, and Mason Counties and the Port Gamble S'Klallam and Skokomish Tribes) and Ex-Officio Board Members (state and federal agencies.) The Council also has Cooperating Partners (volunteer groups, regional fisheries enhancement groups, conservation districts, land trusts, etc.) who work with it on projects and programs. All of these partners are involved in developing a recovery plan for Hood Canal summer chum and are committed to delivering a draft of the plan by June 2005.

Project Ref	Grantee	Project Name	State
04-1717-2003	WA IAC	Okanogan R.Thermal & Lidar Image-Phase 2	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	15-JAN-05-28-FEB-06	Watershed and Sub-basin Planning and Assessment	$38,896	$0	Upper Columbia

Project Description

The primary objective of the Phase I thermal survey (funded by SRFB in the 3rd round) was to collect temperature data for the water surface for select areas in the Okanogan River. Temperature is a primary limiting factor in defining habitat refugia and information about them is indispensable when considering mitigation and protection plans. A secondary objective was to collect detailed elevation data using LiDAR technology to provide high-resolution topographic data for the same length of river system together with approximately 50 meters of riparian zone on either side of the stream channels.
The realized benefits of integrating TIR with LiDAR data from Phase I include:
1. Greatly improved spatial definition and positioning of the thermal data;
2. Development of a rapid assessment technique to identify and document nodes of high salmonid habitat quality and a means to help prioritize opportunities for habitat restoration (5th round projects);
3. Identification of areas of poorest habitat quality with a view to possibly mitigating the extent of such areas (5th round projects);
4. The raw data necessary to simulate the various flow and floodplain management scenarios in producing high-quality salmonid habitat;
5. Improved understanding of the factors providing salmonid refugia

This project proposal is to initiate Phase II which will complete the GIS analysis of the remaining 106 miles of river data (in hand) and extend the coverage another 55 miles to include previously un-surveyed salmonid habitats.

Project Ref	Grantee	Project Name	State
01-1234-2002	WA IAC	Pacific County Culvert Assessment Projec	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	16-APR-02-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$161,000	$0	Washington Coastal

Project Description

This assessment will inventory and prioritize land owner barriers in WRIA 24 and prioritize Pacific County right-of-way stream crossings for future barrier replacement projects. In 1998 the Pacific Conservation District completed a culvert inventory of all stream crossings on Pacific County right-of-ways. This project is a comprehensive assessment that will assist the lead entity in strategy development and addresses a limiting factor data gap. All culverts assessed will be given a priority index number for prioritization.

Project Ref	Grantee	Project Name	State
01-1240-2002	WA IAC	WRIA 13 Fish Passage Inventory	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-02-30-MAY-05	Watershed and Sub-basin Planning and Assessment	$92,605	$0	Deschutes

Project Description

This assessment will inventory fish passage structures and assess habitat in order to obtain priority index numbers for the prioritization of fish passage barriers on anadromous streams in WRIA 13. South Puget Sound Salmon Enhancement Group (SPSSEG) will incorporate data from previous fish passage inventories with new data to create a WRIA 13 Fish Passage Inventory Database. SPSSEG will use its existing barrier database to organize location info., physical measurements, barrier status, digital site photos, and prioritization info.

Project Ref	Grantee	Project Name	State
01-1250-2002	WA IAC	Thurston Co Nearshore Assess of Forage	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-02-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$179,530	$0	Puget Sound

Project Description

This assessment will identify where shoreline armoring (e.g. bulkheading) has affected geomorphic processes that support the intertidal biota upon which salmonids depend. Information from this project will be used to provide directives for future land acquisition and shoreline restoration. It will also provide the technical basis for local government planners to review and evaluate proposed shoreline development projects. The project will encompass 117 miles of Thurston County's Puget Sound shoreline.

Project Ref	Grantee	Project Name	State
01-1252-2002	WA IAC	Island County Assessment & Coordination	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-04	Watershed and Sub-basin Planning and Assessment	$257,000	$0	Puget Sound

Project Description

The project is a second year proposal to Island County's Nearshore Habitats Assessment SRFB project. This project will complete underwater videographic eelgrass mapping (Phase III); complete sampling & mapping of forage fish spawning beaches; continue regional coordination and web-based project management of forage fish mapping; add mapping and assessment of feeder bluffs and accretion shoreform; and establish a pilot "Certified Shorelands Stewards" property owner recognition program. These nearshore resource layers will be GIS mapped to identify future SRFB projects that restore or conserve habitats.

Project Ref	Grantee	Project Name	State
01-1274-2002	WA IAC	Upper Quinault River Geomorphic Reach	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-JUL-02-01-JUN-05	Watershed and Sub-basin Planning and Assessment	$165,633	$0	Washington Coastal

Project Description

This assessment will provide Quinault River management agencies and landowners with information about the physical processes, human impacts to natural processes, and a prioritized project list for protection and restoration of salmon spawning and rearing habitats. The Quinault River reach between its Lake Quinault inlet upstream to the confluence of Graves Creek will be studied to determine the primary physical processes that govern the system and which processes have been influenced by human activities.

Project Ref	Grantee	Project Name	State
01-1275-2002	WA IAC	Nooksack Conservation Assessment	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-JUN-02-15-FEB-05	Watershed and Sub-basin Planning and Assessment	$52,460	$0	Puget Sound

Project Description

The project is an inventory of landowners with functioning salmon habitat to compile a comprehensive project list of acquisition properties for salmon recovery. This project will: 1) identify functioning habitat segments; 2) contact corresponding landowners; 3) survey landowner interest in selling fee simple or an easement, and; 4) secure preliminary commitments from willing landowners. Habitats will be prioritzed according to the local recovery strategy.

Project Ref	Grantee	Project Name	State
01-1304-2002	WA IAC	Cherry Creek Floodplain Restoration Act	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-01-MAR-05	Watershed and Sub-basin Planning and Assessment	$198,296	$0	Puget Sound

Project Description

This feasibility study will reconstruct historical floodplain conditions; collect and model elevation, groundwater, sediment-transport, hydrologic, and flooding data; and assess DD#7 needs. WT will present the evaluated restoration-alternatives to projects collaborators, and seek consensus on selecting an appropriate alternative. Upon final selection, WT will develop a construction design. An agricultural drainage system (ADS) - 10,200-m of ditched channels, a 2,100-m levee, and a pumphouse-disconnects lower CC from its floodplain. The pumphouse impeds access to 12,000-m of spawning and rearing habitat, requires significant maintenance and is unscreened, causing direct mortality of juvenile chinook and other salmonids.

Project Ref	Grantee	Project Name	State
01-1306-2002	WA IAC	Pend Oreille Barrier Survey	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-SEP-02-30-APR-05	Watershed and Sub-basin Planning and Assessment	$221,000	$0	Pend Oreille

Project Description

This project will identify fish passage barriers, utilize priority habitat indexing, provide fish species composition & densities above & below barriers, & rank barriers for correction (using WDFW Priority Indexing). It is a cooperative project between the PO Conser. Dist. & Kalispel Tribe. The project will start at the Canadian border & assess streams on private lands, from their confluence, 200+ miles down the PO River corridor to at least Ione, except on USFS lands. The Forest Service is currently doing a culvert inventory & we will coordinate when possible.

Project Ref	Grantee	Project Name	State
01-1331-2002	WA IAC	Middle Fork Nooksack Fish Ladder-Design	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$531,250	$0	Puget Sound

Project Description

This project will develop detailed construction design plans and cost estimates for the preferred fish ladder alternative from among the conceptual alternatives proposed. A ladder would reconnect at least 16.4 miles of habitat. Additional habitat may exist in tributaries not yet field verified.

Project Ref	Grantee	Project Name	State
01-1338-2002	WA IAC	Port Susan Bay Acq. & Restoration Assess	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-APR-02-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$0	$482,675	Puget Sound

Project Description

This project will permanently protect 3,962 acres of estuarine wetlands and 160 acres of diked uplands at the mouth of the Stilly. A feasibility assessment will be completed to identify and design future restoration actions. The property is the largest block of private tidal and estuarine wetland habitat in the Puget Sound.

Project Ref	Grantee	Project Name	State
01-1339-2002	WA IAC	Hood Canal Ghost Net Survey & Pilot Remo	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	29-APR-02-31-OCT-04	Watershed and Sub-basin Planning and Assessment	$0	$152,000	Puget Sound

Project Description

This study will identify ghost net locations and prioritize recovery efforts based on impacts to salmon. A GIS database will be produced that shows the locations. Experienced divers will conduct a pilot project to help establish protocols for net removal and to establish methods for a more timely system of lost net retrieval. Ghost nets in Hood Canal negatively impact seabirds, marine mammals, crabs, and benthic and anadromous fishes through indiscriminate killing. This issue is of the concern to tribal commercial fishermen and scuba divers in Hood Canal.

Project Ref	Grantee	Project Name	State
01-1340-2002	WA IAC	Nooksack Estuary Habitat Assessment	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-SEP-02-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$265,500	$0	Puget Sound

Project Description

The proposed assessment will collect baseline data for understanding salmon habitat limiting factors in the Nooksack/Lummi estuary. It will be staged in two successive phases - description of the historic and current conditions of the estuary habitat; and, an analysis of the causes for the habitat condition changes, focusing on natural habitat-forming processes. The project will identify potential restoration and/or protection sites.

Project Ref	Grantee	Project Name	State
01-1351-2002	WA IAC	Lions Club Spawning/Rearing Channel	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-02-30-OCT-03	Watershed and Sub-basin Planning and Assessment	$37,351	$0	Puget Sound

Project Description

The project, located at river mile 11.8 on the Cedar River, will design a remnant spawning/rearing channel through Lions Club Park. The completed project will provide approximately 3,500 square meters of floodplain connection and riparian habitat along the river. The project will assess the feasibility of and produce design plans, cost estimate, and sequence for the channel reconnection. There is strong community support and a tremendous potential for public educational opportunities at the park when the project is completed.

Project Ref	Grantee	Project Name	State
01-1355-2002	WA IAC	Big Bend Reach Habitat Rest.& Feas. Stud	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-APR-02-30-SEP-04	Watershed and Sub-basin Planning and Assessment	$77,350	$0	Puget Sound

Project Description

The project will study the significance of habitat areas within the entire Big Bend Reach (RM 7-19) of the Skagit. Dikes parallel both sides of the river. This study will assess: the habitat values of lands between the river & the dikes; and, what steps should be taken to protect/restore these areas? A quick look shows more than 14 current or potential habitat areas, ranging in size from 10 to 132 acres, that could be restored for rearing habitat.

Project Ref	Grantee	Project Name	State
01-1356-2002	WA IAC	Illabot Alluvial Fan Assessment/Feas	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	10-OCT-02-31-DEC-05	Watershed and Sub-basin Planning and Assessment	$50,320	$0	Puget Sound

Project Description

This study will examine the alluvial fan and floodplain reaches of Illabot Creek drainage and will develop restoration action alternatives that remove or minimize disturbances that have altered watershed processes and degraded habitat conditions. The outcome will be 4-7 clearly defined conceptual alternatives that evaluated based on costs and projected benefits.

Project Ref	Grantee	Project Name	State
01-1359-2002	WA IAC	Klickitat River Fish Barriers Survey	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	17-APR-02-01-JUN-04	Watershed and Sub-basin Planning and Assessment	$81,675	$0	Middle Columbia

Project Description

This project will conduct a comprehensive culvert survey on all non-Yakama Reservation lands on Klickitat River tributaries using WDFW & WADOT protocols to aid in prioritization of barrier correction projects. To date the Yakama Nation, Boise Cascade Corporation, & WADOT have identified prospective barriers on the Yakama Reservation, corporate timberlands, & along HWY 142.

Project Ref	Grantee	Project Name	State
01-1360-2002	WA IAC	Prairie Creek Assessment & Feasibility	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-JUL-02-31-DEC-05	Watershed and Sub-basin Planning and Assessment	$41,523	$0	Puget Sound

Project Description

This study will examine the alluvial fan and floodplain reaches and will develop 4-7 clearly defined restoration project conceptual alternatives that remove or minimize disturbances that have altered watershed processes, and degraded habitat conditions in these reaches.

Project Ref	Grantee	Project Name	State
01-1369-2002	WA IAC	Upper Skagit Assessment/Acquisition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-31-MAY-06	Watershed and Sub-basin Planning and Assessment	$892,500	$0	Puget Sound

Project Description

This project is designed to identify and protect the highest priority salmon habitat in the Upper Skagit, in accordance with the Skagit Watershed Council's strategey. The objectives are: 1) identify most important areas for protection within priority reaches; 2) prioritize parcels on their habitat value, imminent and long-term threats, and priority restoration needs; 3) assess landowner interest; and 4) pending landowner interest, acquire riparian and floodplain habitat.

Project Ref	Grantee	Project Name	State
01-1380-2002	WA IAC	Aerial Photographic Inv.Entiat Watershed	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-MAY-02-31-DEC-02	Watershed and Sub-basin Planning and Assessment	$20,981	$0	Upper Columbia

Project Description

The CWU will develop a Geographic Information System-based (GIS) data-layer of the various land and water-use categories throughout the Entiat watershed. This data-layer will be incorporated in the Entiat Geographic Information System (EGIS) with layers pertaining to critical salmonid spawning, rearing, and migratory routes, as well as habitat limitations. Together, this information will allow the CCCD and its partners to identify and prioritize lands and/or associated water for fee-simple acquisition and lease for salmonid habitat protection in the watershed.

Project Ref	Grantee	Project Name	State
01-1386-2002	WA IAC	Lower Day Creek Feasibility Study	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-APR-02-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$102,850	$0	Puget Sound

Project Description

This study will examine the historical floodplain, alluvial fan & low gradient portions of the creek. It will reconstruct the historic floodplain & channel system in terms of overflow channels, stream network & habitat; and, will study what natural processes have been disrupted leading to degradation. A report and GIS map will be produced identifying habitat functions to protect and/or restore.

Project Ref	Grantee	Project Name	State
01-1390-2002	WA IAC	Okanogan River System Thermal Imaging	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-02-31-JUL-04	Watershed and Sub-basin Planning and Assessment	$81,999	$0	Upper Columbia

Project Description

This project will employ Forward Looking Infra-Red (FLIR) thermal imaging technology to collect water temperature information which, along with densiometry, riparian vegetation, stream flow, climate, and stream channel width-to-depth ratio data, will be incorporated into a Stream Segment Temperature Model (SSTEMP) to assess thermal input sources and potential corrective measures. Results of this project will be translated into projects such as identification of land acquisitions in areas providing thermal refugia for salmonids.

Project Ref	Grantee	Project Name	State
01-1391-2002	WA IAC	Off-Channel Habitat Survey and Design	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	03-MAY-02-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$148,437	$0	Washington Coastal

Project Description

This project will assess the abundance of existing off-channel habitat & LWD, the potential for restoring additional off-channel habitat. It will cover the mainstem Nisqually R. and lower reaches of the Mashel River & Ohop Creek. Maps, aerial photos, spawning survey data, interviews with biologists, knowledge gained during LWD surveys, and GIS analysis will be used to detect existing & potential restoration sites. Field visits will be used to take measurements of area, depth, cover, & fish use.

Project Ref	Grantee	Project Name	State
01-1402-2002	WA IAC	Salt Creek Habitat Project Assessment	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	31-MAY-02-31-MAY-05	Watershed and Sub-basin Planning and Assessment	$101,000	$0	Puget Sound

Project Description

This study will address habitat restoration and protection on a watershed scale through a habitat survey, analysis, activity list prioritization, landowner contact, and concept development. The habitat survey will address a variety of limiting factors noted across WRIA 19 while focusing on the specific needs of Salt Creek. The assessment will provide the foundation to design, fund, and implement future restoration and protection projects. Focus will be on the needs of wild coho stock while addressing habitat loss for cutthroat, chum, and steelhead. The outreach efforts will provide stewardship knowledge to landowners and local residents.

Project Ref	Grantee	Project Name	State
01-1404-2002	WA IAC	South Creek Prairie Action Plan	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-APR-02-01-MAR-03	Watershed and Sub-basin Planning and Assessment	$16,595	$0	Puget Sound

Project Description

This assessment will analyze creekside properties and develop a priority habitat protection list. Using GIS and existing studies, properties will be ranked based on quality of existing habitat and restoration opportunity. After the ranking, property owners will be contacted and presented with protection options including Acquisition, Conservation Easements, PBRS, etc. to determine their willingness. The final ranking will combine "willing sellers" and the prioritized habitat properties.

Project Ref	Grantee	Project Name	State
01-1414-2002	WA IAC	Nisqually Basin Riparian Conditions Inv	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-02-31-MAY-04	Watershed and Sub-basin Planning and Assessment	$73,385	$0	Washington Coastal

Project Description

This assessment will allow the purchase of complete, detailed aerial photographs for the anadromous portion of the Nisqually Basin in Pierce and Thurston Counties. In addition to complete aerial photographs, the project will deliver a complete GIS layer of riparian conditions to the Nisqually Indian Tribe to be used for future project selection and development.

Project Ref	Grantee	Project Name	State
01-1436-2002	WA IAC	Assess/feasibility/preliminary design	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-APR-02-28-FEB-05	Watershed and Sub-basin Planning and Assessment	$0	$239,700	Upper Columbia

Project Description

The purpose of this project is to design measures to protect and restore flood plain processes for nine (9) miles of spawning, rearing, and migratory habitat supporting listed steelhead, chinook, and sockeye salmon at the confluence of the Okanogan/Similkameen rivers. The goal is to assess a suite of possible restoration actions that might include dike modification, riprap removal, riparian plantings, and acquisition of 90 acre Eyhott Island. Final design and implementation would be performed under separate funding.

Project Ref	Grantee	Project Name	State
01-1437-2002	WA IAC	Ohop Restoration Assessment Phase II	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-02-31-JAN-05	Watershed and Sub-basin Planning and Assessment	$0	$278,800	Puget Sound

Project Description

This will assessment will identify landowner interest in restoring a degraded (but strategically important) riparian zone. It will have high visibility and lead to a showcase restoration project for the Nisqually Basin. Lower Ohop Cr. has 80+ landowners, most of whom have no legal responsibility to restore their riparian areas. A restoration plan will require an intensive, focused process to identify factors leading to community stewardship of the creek. Deliverables will include project design for restoring functional riparian habitat, and letters of intent by key landowners to participate in the project.

Project Ref	Grantee	Project Name	State
02-1018-2002	WA IAC	PS Shared Strategy Planning Grant	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	09-FEB-02-15-JAN-04	Watershed and Sub-basin Planning and Assessment	$912,378	$0	Washington

Project Description

The Puget Sound Salmon Forum non-profit was organized to develop a comprehensive, science-based recovery plan for Puget Sound. Recovery planning requires identifying recovery goals, factors limiting recovery and organizing the important public policy discussions that will guide specific actions.

This initial contract will provide funding for: staff, office space and equipment; development of a draft workplan; provide a quarterly report; draft an outline of a recovery plan and initial background sections; complete an assessment model of current actions; develop an integration approach for lead entities and planning units; develop planning targets for Chinook populations; facilitate technical support from federal, state, and tribes to local groups; and develop criteria for recovery at the regional scale.

Project Ref	Grantee	Project Name	State
02-1020-2002	WA IAC	Upper Columbia Strategy Planning Grant	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	08-FEB-02-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$444,195	$0	Washington

Project Description

The Upper Columbia Salmon Recovery Office will develop a comprehensive, science-based recovery plan for the Upper Columbia region. Recovery planning requires identifying recovery goals, factors limiting recovery and organizing the important public policy discussions that will guide specific actions.

This initial contract will provide funding for: staff, office space and equipment; development of a draft workplan; provide a quarterly report; develop an oversight committee operations handbook, develop board bylaws, develop a biological strategy and develop a regional monitoring strategy.

Project Ref	Grantee	Project Name	State
02-1163-2002	WA IAC	Regional Fish Enhancement Grps 2002	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-APR-02-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$0	$700,000	Washington

Project Description

The NFWF will administer grants to the 14 Washington regional fisheries enhancement groups (RFEGs) using SRFB and NFWF funds. The purpose of the grants is to provide RFEGs with funding to accomplish activities that would otherwise not be possible due to the loss of FFY03 federal funding.

Project Ref	Grantee	Project Name	State
02-1264-2002	WA IAC	Water Quality Monitoring	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-APR-02-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$0	$99,971	Washington

Project Description

Ecology will monitor water quality, stream flow, water temperature, and benthic macroinvertebrate communities in five watersheds: Big Beef Creek (Hood Canal), Bingham Creek (Satsop River), Cedar Creek (Lewis River), Chiwawa River (Wenatchee basin), and Deschutes River (south Puget Sound). The goal of the monitoring program is to develop a long-term salmon recovery scorecard indicator that could help relate water quality factors to salmon production in these index watersheds. Monitored parameters include dissolved oxygen, turbidity, total suspended solids, fecal coliform bacteria, ammonia-nitrogen, nitrate-nitrogen, total nitrogen, total phosphorus, soluble reactive phosphorus, hardness, dissolved metals (copper and zinc), pH, conductivity, continuous water temperature, continuous stream flow, and benthic macroinvetebrate community structure (as a biological indicator of watershed health).

Project Ref	Grantee	Project Name	State
02-1342-2002	WA IAC	Snake River Strategy Planning Grant	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$258,278	$0	Washington

Project Description

The Snake River Salmon Recovery Board will develop a comprehensive, science-based recovery plan for the Snake River region. Recovery planning requires identifying recovery goals, factors limiting recovery and organizing the important public policy discussions that will guide specific actions.

Project Ref	Grantee	Project Name	State
02-1374-2002	WA IAC	Lead Entity Support	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	24-MAY-02-31-AUG-03	Watershed and Sub-basin Planning and Assessment	$0	$3,124,109	Washington

Project Description

Operating funds to cover expenses for the Lead Entity program, operated by WDFW

Project Ref	Grantee	Project Name	State
02-1376-2002	WA IAC	Limiting Factors	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-31-JUL-03	Watershed and Sub-basin Planning and Assessment	$0	$511,149	Washington

Project Description

Funding will be used to complete Habitat Limiting Factors reports in nine Water Resource Inventory Areas, as identified in the Budget, Exhibit B.

Project Ref	Grantee	Project Name	State
02-1377-2002	WA IAC	Hood Canal Strategy Planning Grant	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-02-31-JUL-04	Watershed and Sub-basin Planning and Assessment	$135,000	$0	Washington

Project Description

The Hood Canal Coordinating Council will develop a comprehensive, science-based recovery plan for the Hood Canal region. Recovery planning requires identifying recovery goals, factors limiting recovery and organizing the important public policy discussions that will guide specific actions.

Project Ref	Grantee	Project Name	State
02-1378-2002	WA IAC	Lower Columbia Strategy Planning Grant	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	09-FEB-02-04-JUN-04	Watershed and Sub-basin Planning and Assessment	$360,000	$0	Washington

Project Description

The Lower Columbia Fish Recovery Board will develop a comprehensive, science-based recovery plan for the Lower Columbia region. Recovery planning requires identifying recovery goals, factors limiting recovery and organizing the important public policy discussions that will guide specific actions.

Project Ref	Grantee	Project Name	State
02-1467-2002	WA IAC	Herring Spawn Survey Ph III	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	02-MAY-03-30-JUN-04	Watershed and Sub-basin Planning and Assessment	$75,832	$0	Puget Sound

Project Description

Surf smelt, sand lance, and herring spawn throughout the San Juan Archipelago nearshore where extensive eelgrass beds and beaches nurse forage fish and salmon alike. This project will map eelgrass beds and spawn deposition site inventories as a means to identify previously undocumented herring spawning locations in San Juan County. The objective of these assessments are to identify subtidal vegetation supporting herring spawning using accepted protocols.

"No net loss" regulations protect both spawning and eelgrass sites only where habitat is established by protocol. To protect this habitat, site inventories and eelgrass boundaries must be complete and comprehensive. This project, Phase 3, will complete identification and mapping of salmon forage fish stocks and spawn deposition areas of herring; integrate herring data into a GIS database previously developed in Phases 1 and 2; increase public awareness of salmon recovery and habitat protection; provide information necessary for Phase 4 which is to apply appropriate protective mechanisms, restoration actions, and land acquisition.

Project Ref	Grantee	Project Name	State
02-1471-2002	WA IAC	Historical & Contemp. Nearshore Habitats	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-MAY-03-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$53,000	$0	Puget Sound

Project Description

This project will develop a framework for identifying and prioritizing protection and restoration actions in the Hood Canal nearshore using historical charts from the USCGS and contemporary habitat delineations. Comparative landscape and site-scale analyses of nearshore habitat change will be completed. Analysis results and on-site workshops will determine human stressors that cause habitat change and natural processes that maintain habitat features. A report will describe analysis results, and recommend actions for specific nearshore habitats.

Project Ref	Grantee	Project Name	State
03-1238-2002	WA IAC	Hood Canal Recovery Planning 03-05	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$55,723	$0	-

Project Description

The Hood Canal Coordinating Council is a watershed based Council of Governments that was established in 1985 in response to concerns about water quality problems and related natural resource issues in the watershed. It is made up of a Board of Directors including Regular Board Members (Jefferson, Kitsap, and Mason Counties and the Port Gamble S'Klallam and Skokomish Tribes) and Ex-Officio Board Members (state and federal agencies.) The Council also has Cooperating Partners (volunteer groups, regional fisheries enhancement groups, conservation districts, land trusts, etc.) who work with it on projects and programs. All of these partners are involved in developing a recovery plan for Hood Canal summer chum and are committed to delivering a draft of the plan by June 2005.

Project Ref	Grantee	Project Name	State
OWEB 204-278	OWEB	Middle Applegate Assessment & Outreach	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	31-AUG-04-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$33,150	$0	Southern Oregon Coastal

Project Description

The project proposes to complete an assessment and action plan for the Middle Applegate 5th field HUC. The proposal would add fire risk analysis to the watershed assessment process. The assessment is the next geographic focus area identified in their draft strategic plan. The Council has completed four assessments to date. Landowners will be engaged through neighborhood meetings held in local homes. This will help with outreach, issue identification and action plan development. Funding is dominantly for staffing.

Project Ref	Grantee	Project Name	State
OWEB 204-279	OWEB	Watershed Assessment & Action Plan Phase 4	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	22-JUL-04-31-DEC-05	Watershed and Sub-basin Planning and Assessment	$75,300	$0	Southern Oregon Coastal

Project Description

The project would fund the final Phase of the Umpqua Basin Watershed Councils watershed assessment process. Four 5th field HUCs will be evaluated, Lower Umpqua, Middle Umpqua, Upper Umpqua, Mill Creek, and Rock Creek watersheds. Assessments and action plans will identify and prioritize key project locations and watershed improvement methods to improve fish habitat and water quality conditions for five areas comprising over 516,400 acres. The budget is primarily for staffing and contracting.

Project Ref	Grantee	Project Name	State
OWEB 204-281	OWEB	Mt Ashland Unit WS Assessment/Action Plan	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$31,680	$0	Southern Oregon Coastal

Project Description

This project will build on the Bear Creek Watershed Assessment/Action Plan of 1995 and Bear Creek Tributary Assessment of 2001. The project proposes to develop a demonstration of urban watershed assessment model and to develop an action plan by using the information from existing assessments and supplementing it with additional information, using neighborhood based participation, and include catastrophic wildfire risk evaluation. The budget is primarily for staffing.

Project Ref	Grantee	Project Name	State
OWEB 204-291	OWEB	Pudding River WS Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	03-AUG-04-30-JUN-06	Watershed and Sub-basin Planning and Assessment	$71,093	$0	Willamette

Project Description

The Pudding River Watershed Council seeks funding to assess all the subbasins in the Pudding River watershed. The assessment will compile all known sources of information on watershed conditions. OWEB funds will be used primarily for contracted services. The application stresses the importance of GIS information and plans to use the coordinator as the primary contractor.

Project Ref	Grantee	Project Name	State
OWEB 204-292	OWEB	Owens Farm Assessment Action Plan	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$9,500	$0	Willamette

Project Description

This project proposes to complete a restoration plan for a 95 acre site in Benton County. The plan will guide restoration of the site, focusing on wet prairie, riparian, and oak woodlands habitats. The plan will focus on specific management objectives to be implemented with other funds. The OWEB funds are primarily for contracted services.

Project Ref	Grantee	Project Name	State
OWEB 204-296	OWEB	Lower Crooked River Watershed Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	25-JUN-04-30-JUN-06	Watershed and Sub-basin Planning and Assessment	$84,522	$0	Deschutes

Project Description

The assessment will address areas of the Crooked River subbasin that can support anadromous fish once downstream barriers are remedied. The project will use the OWEB mannual and a local technical team to integrate information and conduct analysis of watershed conditions. The application identifies existing assessments and needed work elements. The study area includes four 5th field HUCs. The OWEB funds would be used for staff and contracted services.

Project Ref	Grantee	Project Name	State
OWEB 201-010	OWEB	MidCoast Watersheds Council support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-10-DEC-03	Watershed and Sub-basin Planning and Assessment	$178,625	$0	Northern Oregon Coastal

Project Description

The MidCoast Watersheds Council proposes to continue operating as a watershed council with a full-time coordinator, and part-time support staff for 5 Basin Planning Teams. We are raising money from diverse source for project support, and will initiate at least 20 projects per year. Projects will be initiated in accordance with priorities set in our Watershed Assessment and Action Plan. We will expand education and public outreach programs.

Project Ref	Grantee	Project Name	State
OWEB 201-011	OWEB	Clatsop Watershed Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-28-JUL-03	Watershed and Sub-basin Planning and Assessment	$0	$53,922	Northern Oregon Coastal

Project Description

This grant proposal seeks two years of funding to continue the position of coordinator for Clatsop County Watershed Councils. The coordinator proposes to assist five established local watershed councils continue to develop watershed action plans, implement QA/QC water quality monitoring plans, with an emphasis on salmon habitat (limiting factors) and the prioritization of stream restoration projects, and grant writing and administrative duties.

Project Ref	Grantee	Project Name	State
OWEB 201-011A	OWEB	Clatsop Watershed Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-28-JUL-03	Watershed and Sub-basin Planning and Assessment	$44,550	$0	Northern Oregon Coastal

Project Description

Same as 201-011. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-012	OWEB	Council Support-UBWC	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-12-AUG-03	Watershed and Sub-basin Planning and Assessment	$75,000	$0	Southern Oregon Coastal

Project Description

Provide watershed council support to the UBWC. The scope of this project includes salary for the full-time coordinator and associated costs for day-to-day operations. The OWEB funds would be used for coordinator salary for the 2001-2002 biennium.

Project Ref	Grantee	Project Name	State
OWEB 201-013	OWEB	Lower Rogue Watershed Council Coordinator 2001-2003	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-03-OCT-03	Watershed and Sub-basin Planning and Assessment	$75,400	$0	Southern Oregon Coastal

Project Description

This council support grant will enable the Lower Rogue Watershed Council (LRWC) to retain a coordinator for the 2001-2003 biennium. The council has numerous on-going projects in outreach and education, watershed assessment and development of an action plan, and on-the-ground projects with cooperating landowners. The coordinator is the project manager for all on-going- projects and needs continued funding to maintain and expand this program.

Project Ref	Grantee	Project Name	State
OWEB 201-014	OWEB	Tenmile Lakes Basin Partnership-Council Support 2001-2003	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-24-AUG-03	Watershed and Sub-basin Planning and Assessment	$76,000	$0	Southern Oregon Coastal

Project Description

Project will support operational costs of 6-year-old council. Through community involvement and education the council has successfully accomplished project development and implementation among private, local, county, state, tribal, and federal interests for the improved health of the Watershed. Operational costs that this project will support include: office operation, travel, staff, project coordination, and an education program.

Project Ref	Grantee	Project Name	State
OWEB 201-015	OWEB	Upper Rogue WS Association Support & Coordinator Funding	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-23-OCT-03	Watershed and Sub-basin Planning and Assessment	$0	$14,438	Southern Oregon Coastal

Project Description

URWA is one of the original councils formed in 1994 under HB 2215. This funding will allow URWA to continue implementation of its Work plan. Since its inception, the Association has provided significant benefits to the communities of the Upper Rogue Region and Beyond with a track record of success. In order to protect previous investments and guarantee continued success of the URWA, coordinator funding is critical.

Project Ref	Grantee	Project Name	State
OWEB 201-015A	OWEB	Upper Rogue WS Association Support & Coordinator Funding	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-23-OCT-03	Watershed and Sub-basin Planning and Assessment	$4,813	$0	Southern Oregon Coastal

Project Description

Same as 201-015. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-017	OWEB	Illinois Valley Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$0	$50,165	Southern Oregon Coastal

Project Description

The Illinois Valley Watershed Council was formed in 1994 and has had a coordinator since its inception. The coordinator was vital in helping the council complete 22 projects that involved 39 landowners in this time. The council currently has 19 grants that total $626,850 and has pending grants that total $106,609. The council has 8 projects slated for next summer and nothing will get done without a coordinator.

Project Ref	Grantee	Project Name	State
OWEB 201-017B	OWEB	Illinois Valley Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$25,835	$0	Southern Oregon Coastal

Project Description

Same as 201-017. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-543	OWEB	Thomas Creek Mainstem Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-03-JUN-03	Watershed and Sub-basin Planning and Assessment	$0	$33,340	Willamette

Project Description

Fund five high priority actions on Thomas Creek: (1) monitoring water quality and temperature, (2) determining invertebrate availability for fish, (3) monitoring levels of sediment, (4) counting fish abundance, and (5) describing fish habitat use.

Project Ref	Grantee	Project Name	State
OWEB 99-547	OWEB	Fifteenmile Watershed Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-07-APR-03	Watershed and Sub-basin Planning and Assessment	$27,266	$0	Middle Columbia

Project Description

Hire a Watershed Technical Specialist to produce a watershed assessment of Fifteenmile Creek based upon the Oregon Watershed Assessment Manual.

Project Ref	Grantee	Project Name	State
OWEB 99-550	OWEB	Hood River County Forestry Dept Forest Road Inventory	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-31-JUL-01	Watershed and Sub-basin Planning and Assessment	$8,685	$0	Middle Columbia

Project Description

Fund a field crew to assess roads for existing and potential sediment delivery and fish passage barriers. Establish road maintenance priorities in relation to fish and water resources.

Project Ref	Grantee	Project Name	State
OWEB 99-567	OWEB	Lake County Watershed Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-04-SEP-01	Watershed and Sub-basin Planning and Assessment	$20,590	$0	Oregon Closed Basins

Project Description

Fund a Lake County Watershed Coordinator to help three local watershed councils complete watershed assessments and secure funding for restoration projects.

Project Ref	Grantee	Project Name	State
OWEB 99-617	OWEB	Rogue Basin Restoration Technical Team/Pool	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-05-OCT-02	Watershed and Sub-basin Planning and Assessment	$69,428	$0	Southern Oregon Coastal

Project Description

Build on the habitat assessments of coho core habitat areas and index steelhead streams by the nine watershed councils in the Rogue and South Coast Basins to develop ecologically sound prioritization criteria for watershed health needs.

Project Ref	Grantee	Project Name	State
OWEB 99-627	OWEB	PSC - Watershed Assessment Manual	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	10-MAY-00-30-JUN-01	Watershed and Sub-basin Planning and Assessment	$0	$41,567	Oregon

Project Description

Watershed Assessment Manual

Project Ref	Grantee	Project Name	State
OWEB 99-627A	OWEB	Amend #1 to PSC 99-627 (FF-NOAA)	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	10-MAY-00-30-JUN-01	Watershed and Sub-basin Planning and Assessment	$32,962	$0	Oregon

Project Description

Watershed Assessment Manual

Project Ref	Grantee	Project Name	State
OWEB 99-628	OWEB	Pudding River Council Support	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-00-18-SEP-01	Watershed and Sub-basin Planning and Assessment	$0	$1,044	Oregon

Project Description

Watershed council support for Pudding river.

Project Ref	Grantee	Project Name	State
OWEB 99-630	OWEB	Interagency-PSU Invasive Species Mgt / Education-Training	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-13-NOV-02	Watershed and Sub-basin Planning and Assessment	$134,657	$0	Oregon

Project Description

Develop a comprehensive Invasive Species Mgt Plan for Oregon, Provide tech assistance and training for volunteers on monitoring projects.

Project Ref	Grantee	Project Name	State
OWEB 99-631	OWEB	Interagency- Mapping of Anadromous Salmonids	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	07-SEP-00-14-NOV-03	Watershed and Sub-basin Planning and Assessment	$0	$15,637	Oregon

Project Description

Mapping of Anadromous Salmonids.

Project Ref	Grantee	Project Name	State
OWEB 99-631B	OWEB	Funds Moved from GF to Lottery(per legisature)	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	07-SEP-00-14-NOV-03	Watershed and Sub-basin Planning and Assessment	$0	$134,363	Oregon

Project Description

Mapping of Anadromous Salmonids.

Project Ref	Grantee	Project Name	State
00-1673-2001	WA IAC	Island Co. Nearshore Habitat Assessment	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	30-JUN-01-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$161,343	$0	Puget Sound

Project Description

This four-part nearshore proposal includes: 1) Underwater videographic eelgrass mapping cosponsored by the Northwest Straits Commission; 2) A comprehensive sampling of the county's many forage fish (surf smelt, sand lance, and herring) spawning beaches; 3) Completes a PSAMP-sponsored shoreline hardening inventory; and, 4) Implements outreach training programs and begins surveying the 7,000 shoreline owners on potential nearshore habitat protection and/or restoration options: "soft" bank armoring, shade restoration, beach nourishment, spawn and eelgrass habitat protection, or acquisition/easements. A list of landowner's interested in conducting a protection or restoration project on their property will be developed.

Identifying and mapping the islands' forage fish spawn areas, eelgrass beds, and hardened shorelines are undertakings of the Island Co. Marine Resources Committee (MRC). The MRC will use the datasets to design and implement science-based local voluntary marine protected areas where appropriate, to protect key nearshore habitat areas.

"No net loss" regulations protect both the spawning and eelgrass sites (WAC 220-110); but only where the habitat is established by protocol. When completed, these assessments will afford immediate new protections for salmon habitats (and food) along 205 miles of prime marine salmon routes.

Project Ref	Grantee	Project Name	State
00-1678-2001	WA IAC	Assessment Twisp River Watershed	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-30-APR-03	Watershed and Sub-basin Planning and Assessment	$157,782	$0	Upper Columbia

Project Description

PWI proposes to complete an assessment of the Twisp River Watershed that leads to development of a salmonid protection and restoration strategy with prioritized restoration activities. PWI's method uses reconstruction of watershed function through analysis of changes in geomorphic, hydrologic and biological elements. The goal is to identify and prioritize key habitat areas and watershed processes for protection and restoration. The Twisp River is a major tributary to the Methow River (Figure 1). The Twisp supports 20-30% of the endangered Spring Chinook population in the Methow. It also supports endangered summer steelhead, and cutthroat trout and is a stronghold for bulltrout. Past assessment and restoration activities in the Chewuch have generated community and agency support for similar focused efforts in other sub-watersheds. The community and Methow Limiting Factors Analysis identified the Twisp River watershed as a high priority area. The Okanogan National Forest completed a watershed analysis, but it does not completely cover private lands in the lower mainstem and tributaries where agricultural and developmental pressures are affecting aquatic habitat conditions. The lower Twisp is listed as water quality impaired for temperature and instream flow. The outcomes and benefits of this assessment, based on protocols successfully applied in the Chewuch, will be integrated, appropriate, and effective restoration strategies and priorities for the entire watershed.

Project Ref	Grantee	Project Name	State
00-1679-2001	WA IAC	Chewuch Canal & Fulton Canal Joint Study	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-MAR-01-02-MAR-03	Watershed and Sub-basin Planning and Assessment	$52,235	$0	Upper Columbia

Project Description

The Chewuch Canal Company and Fulton Canal in a joint cooperative effort are requesting funding to hire a consultant to develop a feasibility study. This study will develop and prioritize cost effective alternatives to improve fish habitat by conserving agricultural water throughout the canal system as well as improvement to fish passage.

The Canals divert water from the Chewuch River, a major tributary of the Methow River (WRIA 48). The Chewuch River has been identified as an important habitat, by NMFS and WDFW, for three (3) listed species: the endangered spring Chinook salmon, Upper Columbia steelhead and the threatened bull trout. In an effort to comply with the biological needs of fish, the Canals have already taken steps to improve fish habitat including; replacement of two (2) fish screens to the most recent NMFS fish screening standards and installed canal diversion meters to compile accurate water usage information. In addition, Fulton has lined 2,000 ft of the unlined canal to improve irrigation efficiency and reduce seepage loss. These measures have already reduced water diversion from the Chewuch River.

In the continuing effort to provide enhanced instream flows for endangered fish, the Canals believe the proposed engineering study, which is a phase one of a three phase project (phase 2- implementation, phase 3-monitoring), would further enhance biological needs of fish while at the same time protect water rights and water delivery to our shareholders.

Project Ref	Grantee	Project Name	State
00-1680-2001	WA IAC	Okanogan Cty Fish Passage Barrier Survey	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-01-30-APR-04	Watershed and Sub-basin Planning and Assessment	$155,362	$0	Upper Columbia

Project Description

The need for an inventory and assessment of fish passage barriers on a watershed scale has been identified as an extremely important need for the recovery of salmon by the Methow Limiting Factors report, The Upper Columbia technical Team's Priority Considerations, and by the State wide Strategy to recover Salmon. Throughout both the Methow and Okanogan Watersheds quality habitat is inaccessible to salmonids due to passage barriers. Identification of these barriers will aid in strategic planning efforts for the salmon recovery. We propose to conduct an inventory of the Okanogan and Methow Watersheds, using proven protocols established by the WDFW Salmon, Screening, Habitat enhancement and restoration (SSHEAR) Division in their Fish Passage Barrier and Surface Water Division Screening Assessment & Prioritization Manual. Two Crews comprised of Displaced Timber Workers (DTW) will be trained in assessment techniques by WDFW staff and conduct the inventory will include barrier identification and evaluation as well as assessment of available habitat both upstream and downstream. Data will be collected and submitted to the WDFW database maintained by the SSHEAR staff in Olympia. The grant and data submittal will be managed by the DTW coordinator and the District Manager.

Project Ref	Grantee	Project Name	State
00-1696-2001	WA IAC	SE WA Baseline Stream Assessments	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	16-MAR-01-15-JAN-04	Watershed and Sub-basin Planning and Assessment	$47,500	$0	Middle Columbia

Project Description

The Department of Fish and Wildlife, in cooperation with four (4) Conservation Districts (CD) in three (3) counties, proposes to conduct a cooperative 2-year baseline assessment project in several streams in southeast Washington where little or no salmonid use, distribution and abundance data exists.

The project will also collect data on stream temperatures and flows during spring, summer, and fall. The salmonid distribution and abundance data, water temperatures, and stream flow data, as well as observed habitat conditions will be to used as brief assessments of several streams in Asotin, Garfield, and Whitman counties.

This data will be used by resource managers and citizens to determine proposed restoration or protection actions and to determine the priority of these watersheds for salmonid restoration or protection efforts in each county, and within the Snake River Salmon Recovery Region. The project consists of conduction spawning ground surveys to determine the distribution and relative abundance of adult salmonids. Temperature monitors will be deployed and stream flows will be measured in spring. During summer, electrofishing will be used to determine distribution and relatively abundance of juvenile salmonids in each stream. Temperatures and flows will be measured. During fall the temperature monitors would be retrieved and downloaded and stream flows will be measured again. Data for streams in each county will be summarized in reports provided to the CDs. WDFW will provide cost share by donating labor and materials.

Project Ref	Grantee	Project Name	State
00-1713-2001	WA IAC	Floodplain Mining Study	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-NOV-01-21-MAR-04	Watershed and Sub-basin Planning and Assessment	$40,020	$0	Yakima

Project Description

The Yakima River has one of the most heavily mined floodplains in the state. Current proposals for additional floodplain gravel pits in an area with Endangered Fish Species requires a better understanding of the impacts from floodplain gravel mining. Unresolved issues associated with floodplain gravel mining include impacts to hydrology, geomorphology, hyporheic zone function, water temperature, floodplain and river ecology and likeliness of successful reclamation.

The Floodplain Mining Study will have several distinct areas of investigation that include: Literature and historic floodplain mining research, temperature monitoring of river and floodplain mining pits, geomorphology and pit bathymetry, benthic macroinvertebrate biological assessment of fish assemblage studies upstream downstream and inside the floodplain gravel pits. The results of the study will be used to develop a decision framework to provide guidance toward evaluation of floodplain gravel mines. Approximately ten mining sites will be selected for investigation along the Yakima River with concentration in those areas that are most heavily mined such as Selah, Union Gap and Ellensburg areas.

The study is a cooperative effort between Yakima County Planning Department, Yakama Nation, WDNR, WDFW, and WDOE. The study is also supported by USBR and the EPA.

Project Ref	Grantee	Project Name	State
00-1716-2001	WA IAC	Middle Skagit Inventory & Assessment	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	13-APR-01-01-JUL-03	Watershed and Sub-basin Planning and Assessment	$43,988	$0	Puget Sound

Project Description

Skagit Land Trust, a private non-profit land conservation organization, proposes to conduct an inventory of private lands along the mainstem and major tributaries of the Skagit River between the towns of Sedro-Woolley and Concrete. The purpose of this inventory is to locate and prioritize the most important parcels for the protection of salmon habitat and to contact and identify those landowners willing to sell property interests on key parcels.

The products from this work will include: 1) a rated list of available parcels in the most important parts of the project area; 2) preliminary commitments and/or purchase options from willing sellers; and 3) proposals for acquisition of the highest rated parcels where willing sellers have been identified. Complete acquisition proposals for protection of at least 10 parcels or 500 acres of priority habitat will be prepared. This project is designed to implement Skagit Watershed Council's Restoration and Protection Plan by systematically identifying the best remaining "key habitat" for protection in one of the Councils strategic plan "target areas," where past habitat protection efforts have been limited. It is also intended to serve as a model, and pilot project, for possible application in other target areas within the watershed.

Project Ref	Grantee	Project Name	State
00-1724-2001	WA IAC	Assessing the Willingess of Landowners	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAY-01-15-JUN-05	Watershed and Sub-basin Planning and Assessment	$69,150	$0	Puget Sound

Project Description

In this project we will use the tools of social research in as effective a manner as we have used those of biology, hydrology and geomorphology. By means of focus groups, polling and targeted outreach we will acquire the baseline information on landowner and community attitudes, perceptions and needs. From this information we will develop a list of landowners willing to conduct a protection or restoration project on their property, the appropriate communication strategies for our community and the other tools needed to best engage those we must win over.

Voluntary salmon restoration and protection efforts will succeed only to the extent we are able to build widespread support and a solid base of participants. In the habitat arena, appreciable beneficial gains for salmon can only be made if there is widespread willingness on the part of landowners to get engaged, to participate and to allow access to their lands for restoration and/or protection purposes. This project will help us answer the question "what is it going to take?" to get the support we need.

This project is the next logical step for the Skagit Watershed Council. We chose to first develop the biological/physical aspects of our Strategy, all the while acknowledging that the "people" side of the equation - willing landowners and an informed, supportive community - was of equal importance, and the task to be tackled next.

Project Ref	Grantee	Project Name	State
00-1735-2001	WA IAC	Wiseman Creek Feasibility Study	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$74,800	$0	Puget Sound

Project Description

Skagit County is seeking a Salmon Recovery Funding Board grant to conduct a feasibility study on Wiseman Creek and the associated wetlands. The purpose of the Wiseman Creek Feasibility Study is to determine potential alternatives for reducing sediment load in Wiseman Creek and increasing fish habitat in the entire watershed. Skagit County will partner with the Skagit Fisheries Enhancement Group and the Skagit System Cooperative to complete the study.

Wiseman Creek feeds into the Skagit River approximately five miles northeast of Sedro Woolley, Washington. Coho salmon have historically used this area for spawning and rearing, though fish returns have steadily decreased during the last decade. Sediment transported from the upper watershed has overwhelmed the low gradient portion of the stream and inhibited fish passage. South of the associated wetland, the creek has been diverted into drainage ditches that flow into a culvert perched 6-8 feet above the Skagit River.

The feasibility study will include a field assessment, habitat survey, aerial survey, characterization and mapping of recent changes in channel morphology, hydraulic modeling, & sediment transport analysis of Wiseman Creek. An alternative analysis, including at least three alternatives with a preferred alternative, will be developed based on the findings.

Project Ref	Grantee	Project Name	State
00-1736-2001	WA IAC	Key Peninsula Nearshore Sal. Hab. Assess	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JAN-02-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$178,500	$0	Puget Sound

Project Description

This project will conduct a spatially explicit nearshore salmon habitat assessment for approximately 145 miles of marine shoreline in Pierce County west of the Tacoma Narrows. The goal of the this work is to characterize and map nearshore habitat features and impediments in the study area, and to identify high-quality habitats that should be considered for protection and impaired habitats that should be considered for restoration. The study area includes the shorelines of Key, Gig Harbor, and Long Beach peninsulas, as well as Fox and Anderson islands, referred to collectively as the KGI area.

Project Ref	Grantee	Project Name	State
00-1742-2001	WA IAC	Lower Wenatchee Channel Mig. Zone Study	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-30-SEP-04	Watershed and Sub-basin Planning and Assessment	$81,526	$0	Upper Columbia

Project Description

The Wenatchee River has three ESA listed salmonids: Chinook Salmon (endangered), steelhead (endangered), and bull trout (threatened). Habitat assessments on select reaches and tributaries show that loss of rearing habitat in some locations contributes to the decline of these species. Fish management agencies have recommended that habitat protection and restoration of the lower Wenatchee River would contribute to the recovery of salmonids. However, they strongly advise that a study of channel migration, fluvial processes and floodplain function is needed to ensure that restoration is compatible with system dynamics.

Recent flood events in the Wenatchee River have also caused significant damage to private property. The river migrates across the floodplain during flood events, and the county's historic approach is to allow construction to levees and revetments to constrain the stream channel. Likewise, many landowners attempt to armor the banks to prevent erosion related to channel migration. These actions have exacerbated the overall damage from floods, and contributed to the loss of salmon habitat. In order to regulate development in hazardous zones and help ensure the protection to properly functioning habitat on the lower mainstem Wenatchee, Chelan County wishes to identify historic and current channel migration zones, factors affecting migration rates, means to restore floodplain function, appropriate sites for restoration initiatives, and conduct a riparian survey.

Project Ref	Grantee	Project Name	State
00-1745-2001	WA IAC	Edgewater Park Off Channel Slough	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	13-MAR-01-31-MAR-02	Watershed and Sub-basin Planning and Assessment	$42,490	$0	Puget Sound

Project Description

The Edgewater Park site in the City of Mount Vernon is located on the west side of the river in the floodplain. The City wants to explore the feasibility of opening up the sloughs within the park, reconnecting them to the river, while modifying segments of the sloughs to function as naturally as possible. The objective of restoring this low, wet and wooded area has been met with widespread community support.

At the park, the levee has been set back from the river, a unique condition. Historically, the south end of the park had been bisected by several off-channel sloughs. Over time, these sloughs have been partially filled at their north end. The remaining slough area (34 acres) act as a refuge for wildlife, and offer protection and shelter to salmon at various life stages during high water. A deposition gravel bar at the south end makes passage out of the sloughs difficult as the river recedes, causing stranding. The sloughs have also been modified by unauthorized ORV use.

From Sedro-Woolley downstream, for over 22 miles, the natural processes of the river have been restrained between levees. The end result will be the re-emergence of historic landscape processes - a functioning off-channel slough system - a rare resource in the lower Skagit River. A resource of value to natural river functions, to various life stages of fish and to the community.

Project Ref	Grantee	Project Name	State
00-1753-2001	WA IAC	Environmen Assess. of Entiat Sub-Basin	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	27-JAN-01-01-OCT-03	Watershed and Sub-basin Planning and Assessment	$47,950	$0	Upper Columbia

Project Description

The Yakama Nation and the Confederated tribes of the Colville Reservation, in coordination with the Entiat Watershed Council, State and Federal agencies propose to use the Ecosystem Diagnosis and Treatment (EDT) methodology in the Entiat sub-basin to establish a long-term framework for quantifying and understanding watershed conditions. The objective of this EDT assessment is to develop a range of alternative riparian and in-stream habitat protection and restoration strategies. Results from this work will provide the Entiat Watershed Council recommendations and valuable insights towards the prioritization, selection and implementation of future protection and restoration work. The assessment will recommend specific monitoring strategies designed to 1) address project effectiveness, 2) provide consistency for measuring project success in meeting stated objectives and 3) provide for long term tracking of watershed restoration progress towards meeting community goals.

The EDT assessment will be applied to the Entiat sub-basin. The diagnostic phase will be completed May, 2001 and a final report outlining alternative restoration strategies and associated benefit/risk analysis and recommendations will be completed in May, 2002. The assessment will target spring chinook and steelhead, which are used as a "indicator" species for watershed health.

Project Ref	Grantee	Project Name	State
00-1758-2001	WA IAC	Collaborative-Integrative Entiat Water	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-01-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$127,500	$0	Upper Columbia

Project Description

In eastern Washington, instream flows are of paramount importance shaping habitat quantity and quality. Threatened and endangered salmonids require certain depth, velocity, temperature, substrate cover, channel morphology and other instream attributes to live and thrive. However, intense competition for scarce water places instream and out-of-stream needs at odds. The Collaborative-Integrative Entiat Watershed Instream Flow Project merges the scoping, analysis, negotiation, and adoption of instream flow and habitat management regimes that address micro-, meso-, and macro-habitat attributes while also addressing out-of-stream needs. The Entiat Planning Unit (EPU) is comprised of citizens, Tribes, local, state and federal agencies and governments, and is working with others to implement this project. The project uses the entire Instream Flow Incremental Methodology (IFIM) to synthesize fish habitat analysis using the Physical Habitat Simulation System (PHABSIM) portion of IFIM conducted in 1992 (Caldwell and Beecher, 1995) with analysis of channel morphology and water quality attributes. The synthesized habitat values will be used to collaboratively develop alternative instream flow and habitat management regimes for implementation through the EPU process. Analysis will be conducted in water year 2001 to supplement existing assessments. Instream flow and habitat management alternatives will be developed in 2001 and 2002 for inclusion in the EPU Watershed Plan.

Project Ref	Grantee	Project Name	State
00-1766-2001	WA IAC	Tolt Floodplain Reconnection Site Analys	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-27-FEB-04	Watershed and Sub-basin Planning and Assessment	$70,000	$0	Puget Sound

Project Description

Purpose: Increase and improve fish habitat on the lower Tolt River by relocating and restructuring the levee system.
Location/scope: Lowest mile of the Tolt River, to confluence with the Snoqualmie River.
Activities:
1) Develop a conceptual design for levee setback and removal that will allow the channel to meander unconstrained, without decreasing the level of flood protection provided by the existing levees.
2) Quantify increases and improvements in chinook spawning and rearing habitat that will occur as a result of the project.
Targeted species: Snohomish fall chinook, coho, chum and steelhead.
Partners: City of Seattle, King County, Tolt Fisheries Advisory Committee
Time frame: October 2000 - December 2001

The lower Tolt River is one of the most constrained section of river in the Snoqualmie Watershed. The Tolt Floodplain Reconnection Project will increase spawning habitat for chinook salmon, increase protection of chinook salmon redds by reducing scour, and increase rearing habitat for all native salmon and trout using the lower Tolt River. The project involves setting back or removing levees that currently constrain the channel, reconnecting the river to the main channel, historic side channels and a wetland at the mouth of the river. This reconnection is expected to enhance abundance, diversity and distribution of chinook, coho, chum and steelhead within their historical range.

Project Ref	Grantee	Project Name	State
00-1783-2001	WA IAC	Stillaguamish Landslide Hazard Zonation	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-01-29-FEB-04	Watershed and Sub-basin Planning and Assessment	$40,000	$0	Puget Sound

Project Description

The purpose of this project is to develop a landslide hazard zonation map to be used as a decision making tool for future land management activities in the Stillaguamish watershed. In 1997, a landslide inventory was conducted throughout the entire Stillaguamish basin (approximately 700 sq/mi). Aerial photography from 1933-1991 was used to determine the number and size of all visible landslides. 1,080 landslides were cataloged (97%) from the North and South Forks. Three quarters of the landslides are associated with forest land uses (52%) originating from clearcuts, (22%) originating from roads. Using the landslide inventory as a tool to determine why and where landslide activity occurred previously, a map will be developed showing zones of high potential landslide risk for any future land use activity. The map would be used by all agencies conducting land use activities in the Stillaguamish basin. Because over 70% of the land use within the basin is forestry, the primary users would be DNR, the USFS and private timber companies. The ultimate goal of the project is to reduce the number of human induced landslides impacting the watershed.

Project Ref	Grantee	Project Name	State
00-1793-2001	WA IAC	Chinook Spawning-Incubation Assessment	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-01-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$0	$334,375	Puget Sound

Project Description

This project will quantify factors limiting spawning and incubation success of North and South Fork Nooksack chinook, including spawning gravel size, fine sediment levels, and vertical and lateral channel instability.

Sites will be selected throughout the spawning distribution of the two stocks (North, Middle and South Forks Nooksack River) based on geomorphic reach stratification, but current and historic chinook spawning locations will be considered. McNeil coring of potential spawning sites will yield estimates of spawning gravel size, as well as proportions of size fractions limiting incubation success and emergence. Scour chains and adjacent channel cross sections will be surveyed periodically throughout the incubation period to quantify vertical instability (bedload movement, scour/fill). Concurrent monitoring of channel thalweg & water levels relative to redd locations will enable semiquantitative estimates of lateral instability.

Study design & specific sampling methodologies will be finalized in consultation with NWIFC, WDFW, and Lummi Natural Resources to ensure statistical rigor and applicability of results. Mortality associated with different factors affecting spawning and incubation success will be estimated, providing data that can both strategically guide restoration activities and contribute to comprehensive analysis of freshwater limiting factors. The study period will be form May 2001 to December 2003, encompassing 2001 and 2002 brood years.

Project Ref	Grantee	Project Name	State
00-1795-2001	WA IAC	Acme to Saxon Reach Assessment	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-01-01-SEP-04	Watershed and Sub-basin Planning and Assessment	$82,860	$0	Puget Sound

Project Description

The Saxon to Acme reach assessment will provide the baseline level of habitat, geomorphic and hydrologic data needed to begin riparian, off-channel and in-stream restoration project design. The assessment should also provide the baseline data necessary for beginning a monitoring plan on the projects designed.

This assessment can be seen as a key component in an overall restoration project planning strategy. It will incorporate an initial inventory and analysis of habitat, consistent with the on-going Salmon Recovery Plan. Based on the results of the inventory and assessment, sites for restoration activities will be identified. This will make it more likely that projects will interact positively and further restoration goals; rather than conflict with each other. It will allow the strategic timing and implementation of restoration projects throughout the reach.

The Saxon-to-Acme Reach is located between River Mile 8.5 and 13 on the South Fork Nooksack River. This reach has been a focus of land acquisition and conservation efforts by Whatcom County and the Whatcom Land Trust resulting in 782 acres of parks and conservation easements.

Project Ref	Grantee	Project Name	State
00-1796-2001	WA IAC	Chinook Rearing Habitat Assessment	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-01-31-OCT-04	Watershed and Sub-basin Planning and Assessment	$0	$245,625	Puget Sound

Project Description

The purpose of this project is to conduct an inventory and assessment of freshwater rearing habitat for Nooksack native chinook, using a combination of watershed-scale remote mapping and field-based subsampling to characterize habitat and sample for rearing juveniles to quantify use.

Assessment of rearing habitat represents one of the most critical data gaps in the Nooksack River watershed. Evidence indicates South Fork Nooksack Chinook predominantly outmigrate as yearlings, but rearing locations are unknown, and restoration projects targeting the critical juvenile rearing live history stage must rely upon best expert opinion.

Potential habitat types in the mainstem and floodplain will be mapped. Sites in low-gradient, unconfined reaches on the South Fork and mainstem will be selected using a stratified random sampling scheme. At each site, habitat will be characterized and fish sampled using appropriate methods.

Since movement among different habitat types is expected for juvenile salmonids rearing through the winter, both the post-emergence to oversummer and the overwinter rearing periods will be characterized. The time frame of January 2001-December 2002 encompasses two oversummer and one overwinter rearing period. While sampling effort should be expanded and continued in future years, data will be used in preliminary quantitative limiting factors analysis to strategically guide restoration efforts in the near-term.

Project Ref	Grantee	Project Name	State
00-1806-2001	WA IAC	Hwy 101 Estuary Causeway Removal Ph 1	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-01-JUN-03	Watershed and Sub-basin Planning and Assessment	$0	$80,000	Puget Sound

Project Description

Five (5) major rivers, with their headwaters either in the glaciers of the Olympic Mountains or in spring fed wetlands, flow into the west side of Hood Canal. These rivers - the Skokomish, Hama Hama, Lilliwaup, Duckabush and Dosewallips - are home to all species of salmon, including two (2) ESA listed stocks, summer chum and Chinook. SR 101 is the principal state highway that crosses the estuaries of these five (5) major rivers, using earth fill with bridges located at the low flow line and effectively impacting estuary function and values by constricting the channel and tidal prism, reducing access to tidal side channels and sloughs, and eliminating salt marshes. Properly functioning estuaries, with their abundant food supply, wide salinity gradients and diverse habitats, have long been recognized as one of the most productive aquatic environments for numerous fish and wildlife species and life stages. The goal of this project, phase one of two phases, is to compare historical coastal information (maps, photos, geomorphologic records, flow regimes, etc.) with current conditions, analyze biological impacts and develop a conceptual plan with costs estimates to eliminate these estuarine impacts and restore estuarine function and values. This is the first step in addressing the impacts created by SR 101 and the potential for contributing to salmon recovery in the region is enormous.

Project Ref	Grantee	Project Name	State
00-1808-2001	WA IAC	East Jefferson County Forage Fish Study	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-01-OCT-04	Watershed and Sub-basin Planning and Assessment	$120,900	$0	Puget Sound

Project Description

Sand lance and smelt spawning habitat will be mapped in East Jefferson Co. & some Hood Canal shorelines using standardized Pentilla/Moulton Forage Fish Assessment Protocols. Field sampling will be conducted by a fisheries biologist and trained volunteers. Lab analysis will be conducted by trained interns using standard methods. Many miles of beach have not been studied & those inventoried in the past need carefully planned follow-up sampling to determine population health over time. There is essentially no information available concerning the ecology of sand lance and surf smelt between the egg and adult life history stages though both species appear to have a "salmon-like" affinity for spawning sites. The first need is to identify all spawning beaches to protect their future. Baitfish spawning maps will be updated to include sampling results & with spawning sites mapped and related to habitat and nearshore ecology. This will include depiction of spawning habitat within the context of drift cells identifying sediment sources & accretion beaches. Maps of shoreline structures currently in preparation by Point No Point Treaty Council will help us identify problem areas & changes in beach conditions due to armoring or modification of feeder bluff dynamics in order to identify restoration project opportunities to improve potential spawning habitat. This is a two year study in partnership w/ Jefferson Co. MRC, US Navy, Alki Salmon Team, and others.

Project Ref	Grantee	Project Name	State
00-1842-2001	WA IAC	Piority Index Surveys - Puyallup Basin	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-01-05-OCT-04	Watershed and Sub-basin Planning and Assessment	$90,680	$0	Puget Sound

Project Description

The Pierce Conservation District has completed an inventory of fish passage barriers in the anadromous zone of WRIA 10. Over 535 structures have been identified and about 56% of these were determined to be barriers to fish passage using WDFW criteria.

The next step is to prioritize those barriers, so that higher priority projects can be addressed first. Prioritization is conducted following WDFW protocol as described in the Fish Passage Barrier Assessment and Prioritization Manual, and involves completing a field survey of stream reaches above fish passage barriers to determine the quality and quantity of habitat available upstream. Prioritization also considers species utilization, stock status for species utilizing the stream, and project cost.

The result is a Priority Index (PI) score, which can be used to directly compare priorities of proposed projects. PI scores on some of the culverts identified through the initial Puyallup River Inventory have been used to rank projects for the 2000 construction season. After high priority projects are identified, design work and grant funds will be pursued to rectify the problems. Completing this work will insure wise use of potential grant dollars while providing the greatest benefit to the resource. In addition, data collected by this assessment will be shared with WDFW and will be incorporated into the NWIFC Salmon and Steelhead Habitat Inventory and Assessment Project Database.

Project Ref	Grantee	Project Name	State
00-1847-2001	WA IAC	Lake Quinault Sediment Core Sampling	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-MAR-01-31-MAR-03	Watershed and Sub-basin Planning and Assessment	$45,500	$0	Washington Coastal

Project Description

Lake Quinault, a glacially created 3,729-acre lake is home to the southernmost coastal sockeye salmon stock on the West coast of North America. The stock is genetically distinct from all other sockeye stocks on the west coast. Preliminary assessment of the key variables that support primary productivity of Lake Quinault suggest that rearing conditions may be well below adequate productivity levels for the successful rearing of juvenile sockeye. The project's objectives are to determine historical productivity and escapements of Lake Quinault sockeye. Sediment core samples will be collected for Lake Quinault and an undetermined reference lake. By analyzing the core-samples, levels of nitrogen present in the sediments deposited from salmon carcasses over the centuries will allow biologists to calculate the historical escapement of sockeye salmon to Lake Quinault. The sediment core-sampling project is a required component of the current Lake Quinault monitoring program and is the final piece needed for understanding the ecosystem of Lake Quinault and to determine productive capability of Lake Quinault for producing sockeye salmon. The outcome of this project and the information it will provide is determining factor that may allow the Quinault Indian Nation Fisheries Division to choose fertilization as a course of action to optimize lake productivity, juvenile sockeye production, and recover Lake Quinault sockeye to historic numbers.

Project Ref	Grantee	Project Name	State
00-1848-2001	WA IAC	Puyallup Watershed Feasibility Study	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-01-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$49,536	$0	Puget Sound

Project Description

The first phase of the project will be for the South Puget Sound Salmon Enhancement Group (SPSSEG) in partnership with Pierce CD to identify key areas in the watershed that are considered to be critical salmon spawning/rearing habitat & catalog potential projects. Information will be gathered from the Fish & Wildlife Committee, existing data, & GIS mapping systems. This group process is meant to provide support to the Puyallup River Council's Fish & Wildlife Committee & Pierce County (Lead Entity) to identify & develop worthwhile projects.

The second phase is for the SPSSEG to assess the willingness of the landowner to proceed with a preservation/enhancement project in these key areas. This project will benefit the lead entity & potential project sponsors by creating a list of willing landowners, preliminary project design concepts, & a coordinated effort toward salmon recovery in the Puyallup Watershed.

PCD will coordinate the identification of key salmon recovery projects in the Puyallup River Watershed by using the Draft Habitat Protection & Reclamation Strategy for Salmon Recovery (Pierce County Lead Entity), the Conservation Commission's Limiting Factors Analysis, & experts on the Puyallup River Watershed Fish & Wildlife Committee.

This assessment will strengthen the Puyallup River Watershed Salmon Recovery Partnership that includes the Pierce County, Puyallup Tribe, South Puget Sound Salmon Enhancement Group, Puyallup River Watershed Council, Washington Department of Fish & Wildlife, & other future partners.

Project Ref	Grantee	Project Name	State
00-1873-2001	WA IAC	Oakland Bay & Hammersley Inlet Nearshore	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-01-31-MAR-02	Watershed and Sub-basin Planning and Assessment	$164,041	$0	Puget Sound

Project Description

Project Location: Mason County, WRIA 14, Oakland Bay and Hammersley Inlet.
Geographic Scope: All the nearshore and adjacent upland buffer/shoreline riparian areas in Oakland Bay and the majority of Hammersley Inlet.

Project Purpose: The purpose of the project is to design and implement a protocol for inventorying nearshore habitat in the project area and to identify and rank properly functioning and degraded habitat areas. The areas identified, as properly functioning will then be prioritized for preservation through acquisition. The areas identified as degraded or minimally impaired will be prioritized for restoration.

Project Activities: The project includes mapping the historical, current physical and biological features using existing data, identifying data gaps, and collecting new data on intertidal habitat. The products from the project will include a series of GIS maps in a format transferable to State WDFW and DNR databases. Scientific criteria will be developed for determining which areas are degraded, minimally impaired, or properly functioning. Ranking criteria will also be developed for prioritizing sites for acquisition and restoration.

Targeted Species/Stocks: Chinook, Coho, and Chum Salmon, Cutthroat Trout, and Steelhead.

Planning: The project will provide clear guidance for future salmon recovery work in the WRIA 14 nearshore environment.

Partnership Groups Supporting Project: Squaxin Island Tribe and Taylor Shellfish.

Project Ref	Grantee	Project Name	State
00-1875-2001	WA IAC	WRIA 14 Fish Passage Inventory	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-MAR-01-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$0	$108,960	Puget Sound

Project Description

The WRIA 14 Fish Passage Inventory Project will provide a comprehensive inventory of all instream structures (culverts, dams, fishways, etc.) located on public or private lands within WRIA 14. The project will be an expansion of current work being done by Squaxin Island Natural Resources Dept. in the Oakland bay watershed of WRIA 14. The purpose of the project is to determine the extent of habitat loss due to impassable structures, identify structures that may fail in the future, and provide a means of prioritizing replacement of impassable structures. In addition to determining the location and extent of passage problems, the project will identify key habitat problems in surveyed streams (a by-product of performing priority index surveys of the structures and habitat above and below). The project will follow the example established by the Pierce Conservation District and their inventory of the Puyallup River watershed (in which the SPSSEG is an active committee member of the Pierce County Fish Passage Task Force) and use criteria established by WDFW in the Barrier Prioritization and Assessment Manual (currently being updated). Information collected from the inventory will be provided to the SSHIAP program of the NWIFC and WDFW and available to all interested parties by CD-ROM or access through the SPSSEG web-site. The project, including inventory and priority index surveys should be completed by December 31, 2001.

Project Ref	Grantee	Project Name	State
00-1878-2001	WA IAC	Forage Fish Habitat Inventory - Phase I	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-01-01-FEB-04	Watershed and Sub-basin Planning and Assessment	$0	$194,015	Puget Sound

Project Description

The objective of this project is to identify important forage spawning habitats within San Juan County and initiate actions, such as providing habitat information to resource agencies for regulation enforcement, acquisition of development rights, and habitat enhancement projects, to reduce habitat loss.

The project will be a cooperative effort of governmental, educational, and non-governmental organizations. Responsibilities are:
SJC MRC: manages and provides project design, protocols, training, data analysis and reporting
WDFW: provides field and lab training
Friends of the San Juans: manages volunteer field data collectors. Coordinates field training an community outreach.
SJC Cons. Dist: provides GIS data mapping. Identifies site selection criteria and prioritizes site qualities.
UW FHL: provides lab support for sample analysis.

With the recent listing of Puget Sound salmon stocks as threatened, the issue of maintaining forage fishes, i.e., herring, sand lance, and surf smelt, depend on nearshore habitats for spawning. Protection of nearshore spawning habitats will be needed if salmon recovery is to be successful.

Water around the San Juan Islands region support mixed stocks of feeding Chinook and coho. Specific salmon stocks to be targeted include Nooksack river Chinook, Lower Skagit River Chinook, and Skagit River coho.

Project Ref	Grantee	Project Name	State
00-1879-2001	WA IAC	WRIA 14 Salmonid Refugia Study, Phase II	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-01-31-JAN-03	Watershed and Sub-basin Planning and Assessment	$94,995	$0	Puget Sound

Project Description

Concurrent Technologies Corporation (CTC), a non-profit organization, is applying for two (2) identical grants from the SRFB (one for WRIA 14 and one for WRIA 16) . This is necessary because the proposed assessment will be conducted in two (2) adjacent WRIAs. This application is phase 2 of a study already begun by CTC and funded by Mason County in WRIAs 14 and 16. Almost half of the funding for phase 1 will be used as the matching contribution for this grant. The study methodology outlined below originated with Dr. Chris Frissell of the University of Montana and was adapted by CTC for the Kitsap Peninsula (WRIA 15) salmonid refugia study.

This study will identify critical salmonid habitat (refugia) surrounding the streams within WRIA 14 and rank the refugia by salmonid habitat suitability. Species addressed with this project include both resident and anadromous trout as well as anadromous salmon. Phase 1 of the study, to be completed by December 31, 2000, will identify and assess the quality/utility of pertinent digital data layers as well as include gathering preliminary field data. Phase 2, this proposal, will utilize the data from phase 1 to identify the refugia, assess habitat quality both at an instream and landscape level and create and run a habitat suitability model. Partners include the Skokomish Tribe, Squaxin Island Tribe, Mason County, Point No Point Treaty Council, local biologists, and others. Phase 2 will be completed by December 31, 2001.

Project Ref	Grantee	Project Name	State
00-1910-2001	WA IAC	Washougal River Watershed Assessment	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JAN-01-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$0	$50,000	Lower Columbia

Project Description

Conduct a salmon habitat assessment on the Washougal River watershed. The watershed has important fishery resources but habitat assessment data is limited. The project will enable the LCFRB, in cooperation with the WDFW, CC and DOE to identify actions to restore and protect salmon habitat in the Washougal basin. The project is a pilot demonstration of an assessment template developed by LCFRB TAC. It will be refined and applied across 5 WRIA's. The assessment will focus on barriers to passage, riparian habitat acquisition and enhancement needs, and sediment source abatement. It will build on Limiting Factors Analysis (LFA) and other assessment work. Study elements include: Refining SSHIAP stream segments with reach level details describing pool-riffle, forced pool riffle, plane bed, step pool, and channel habitat types. Further delineating isolated habitat, and calculating miles of blocked habitat per river basin mile. Evaluating riparian plant species composition, avg. diameter, density, % shade. Conducting risk assessment of sediment loading by using geology and land use GIS data. Calculating sediment budgets in key areas. Aerial photo interpretation and ground-truthing will be conducted. SSHIAP and GIS data will be updated. Data will be analyzed to identify: key, secondary, degraded, and isolated habitats. A prioritized basin-wide project list will be prepared based on a critical path methodology.

Project Ref	Grantee	Project Name	State
00-1911-2001	WA IAC	Hemlock Dam Fish Passage Restoration	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-MAY-01-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$178,024	$0	Middle Columbia

Project Description

Hemlock Dam is a barrier to fish migration. Native steelhead trout are entirely dependent on a fish ladder constructed in 1936 to ascend the 22 foot high dam on Trout Cr. (RM 2.0). The dam is a direct source of fish mortality (USDA 1996) and the number one factor for decline of native steelhead in WRIA 29 (WCC 1999).The Trout Cr. steelhead population has declined precipitously since the 1980's (Bair and Wieman 1995, Smith 1995) and in 1998 steelhead were listed as threatened under ESA. Abundant data has documented fish passage conditions and steelhead survival at Hemlock Dam (Orsborn 1987, Bates 1995, Meyer & Fredricks 1995, USDA 1996, Wieman & Adams 1998). In 1998 we initiated a multiple phase fish passage restoration proposal. Phase I: Assessment & Restoration Options is complete (WSU 1999). The recommended action is to remove Hemlock Dam and reconstruct a free flowing channel. This proposal will complete the Phase II: Feasibility Study, requiring resource specialists and public input to develop a full range of fish passage alternatives. An environmental impact statement will document the environmental and social consequences. It will also compete the legal requirements of plant and animal surveys and cultural resources documentation. When completed, this project will have profound biological and social ramifications: safe and efficient passage for native steelhead, restoration of stream temperatures, and add to the science of dam deconstruction and channel rehabilitation.

Project Ref	Grantee	Project Name	State
00-1913-2001	WA IAC	E F Lewis River Restoration Assessment	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-MAY-01-24-MAY-02	Watershed and Sub-basin Planning and Assessment	$25,897	$0	Lower Columbia

Project Description

Friends of the East Fork has been working on the development of a strategic reach-level river basin assessment of the EF Lewis River as well as evaluating the feasibility of completing such a restoration project with local landowner agreement. This project will produce an "on-the-ground" set of implementable plans and programs for the restoration of approximately 11 miles of main channel habitat in the EF Lewis River. The preliminary data surveys and analysis are done, as are the review of existing studies that relate to the area. We have identified a highly qualified river restoration group with a proven track record all over North America and they have agreed to do the field work (see below for detail of field work) and develop the strategic plan and river reach-level restoration prescriptions, which include wetlands as well as in-stream habitat.

Anticipated Outcome:
Collaborate with land owners and others in promoting sustained watershed and stream stewardship
Plans to remedy and/or remove sources of water quality degradation
Plans for the prevention of further loss of flood plains and restore their proper function
Plans and methodology to restore stream channel complexity and reduce accelerated erosion and sedimentation
Plans for the restoration of fisheries habitat in the lower East Fork
Plans or alternatives for removing old dikes that impact the wetlands and lower flood plain
Plans and methodology for the restoration of 11 miles of main channel in-stream habitat

Project Ref	Grantee	Project Name	State
01-1085-2001	WA IAC	Elwha ELJ Monitoring	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	06-APR-01-30-JUN-06	Watershed and Sub-basin Planning and Assessment	$0	$350,000	Puget Sound

Project Description

In 1999, the Elwha Klallam Tribe was awarded two grants, under the SRFB - GSRO and the SRFB - IRT Early Action cycles, to construct several engineered logjams (ELJs) in the Elwha River. A third grant was awarded to the Tribe in 2000, under the SRFB - Early 2000 cycle, for floodplain restoration activities including the construction of additional ELJs. To date, seven (7) ELJs have been constructed and up to four (4) more are planned for construction in 2001.

This project is designed to evaluate, through a five-year comprehensive monitoring program, the effects of engineered logjams (ELJs) on the physical habitat and biological response by Salmon in the Elwha River. The study will focus on changes in physical habitat, interactions with alluvial sediment and wood, as well as the associated biological response of juvenile and adult salmon. The Tribe will partner with scientists from the NMFS and USFWS to expand upon initial monitoring efforts begun by the Tribe in 1999.

A detailed monitoring proposal is enclosed in the project file.

Project Ref	Grantee	Project Name	State
01-1086-2001	WA IAC	Nearshore Project Coordinator	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-01-30-JUN-02	Watershed and Sub-basin Planning and Assessment	$0	$28,000	Puget Sound

Project Description

Provide coordination of four (4) county Nearshore Habitat Assessment Projects (Three (3) of which are the following SRFB funded projects: Island County Nearshore Habitat Assessment 00-1673; Forage Fish Habitat Inventory Phase 1 00-1878; and East Jefferson County Forage Fish Study 00-1808). Regional coordination will result in cost efficiencies and value-added benefits to each of the individual efforts. Tasks would include:
1) Coordinate gathering of historic data using county maps, regional WDFW surveys, historic literature search and interviews.
2) Site selection process.
3) Create sampling schedules: consider likely spawning times when designing surveys of spawning locations.
4) Education and adoption of the Moulton/Penttila protocols.
5) Promote, publicize and conduct collection and field ID training classes, instructing public volunteers in Moulton/Penttila protocols. Field training involved with sampling gear and egg handling.
6) Collections routine.
7) Collation of field data into pre mapping data sets.
8) Coordinate lab work regionally, at UW, Friday Harbor Laboratories; Pt. Townsend Marine Science Ctr, and WDFW LaConner lab or other approved labs using Pentilla protocols.
9) Map results as they are generated in new GIS data set.
10) Obtain county adoption of maps.

Project Ref	Grantee	Project Name	State
01-1193-2001	WA IAC	Stillaguamish ELJ Monitoring	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	06-APR-01-30-JUN-06	Watershed and Sub-basin Planning and Assessment	$350,000	$0	Puget Sound

Project Description

Project History: Eight ELJs are installed in the North Fork Stillaguamish (NFS), primarily to increase the quantity and quality of holding pool habitat for spawning summer chinook in the reach between RM 21.3 and 22.8, test ELJ technology and performance, enhance off-channel habitat, increase bank protection, and maintain wood in channel by creating areas of deposition. Project partners include NMFS, Snoh. Co., USACOE, WDOE, Stillaguamish & Tulalip Tribes.

Scope of Work: The NFS Phase I (97-1299C) and Phase II (99-1367D) monitoring project will monitor and assess the original eight ELJs, completing over eight years of assessment on ELJ technology, and benefits to salmon with baseline and post-project monitoring. This information will be used to assist and evaluate the success of additional ELJ installations being planned in other regions of the state. In collaboration with other agencies, the project will produce standardized ELJ monitoring protocols. The monitoring on the NFS ELJs has and will continue to set standards for others to follow.

Primary Project Objectives: Conduct a five-year evaluation of the ELJs placed in the NFS to confirm ELJ success or failure, document changes that have occurred within the structures, and examine through validation monitoring the long-term benefits to salmon, hydraulic interactions of the ELJs, and cost effectiveness of the technology.

Project Ref	Grantee	Project Name	State
01-1202-2001	WA IAC	Nearshore Ecosystem Restoration Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	25-SEP-01-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$455,000	Washington

Project Description

The purpose of the Puget Sound Nearshore Ecosystem Restoration Study is to assess ecosystem condition and function and evaluate significant ecosystem degradation in the Puget Sound basin; to formulate, evaluate, and screen potential solutions to these problems; and to recommend a series of actions and projects to address them. SRFB funds will support Stage 1 of the study, including WDFW participation in the study as the Nonfederal Project Sponsor and WDFW administration of the state side of the study. In addition, SRFB funds will help provide technical support to the study, and implementation of specific study elements. Products of Stage 1 include: development of a technical framework, including adoption of guiding ecological principals; adoption of a conceptual model of the Puget Sound Nearshore Ecosystem; compilation of existing information; identification of limiting factors for salmonids and other key species; assessments and analysis of ecosystem condition and function; development of selection criteria for habitat restoration and protection; development of a prioritized list of early actions and projects; and identification of data gaps and research needs.

Project Ref	Grantee	Project Name	State
01-1222-2001	WA IAC	San Juan County Eelgrass Survey Phase 2	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-30-JUN-04	Watershed and Sub-basin Planning and Assessment	$211,229	$0	Puget Sound

Project Description

Identifying and mapping the San Juan Archipelago's nearshore eelgrass beds is phase two of the Forage Fish Spawning Habitat Assessment Project. Phase I was funded last SRFB grant cycle and this assessment of intertidal and subtidal habitats will be integrated, through GIS, with that project to produce a comprehensive nearshore habitat inventory for San Juan County which will be used to: identify restoration/acquisition sites, increase public education, and improve the county's land use regulations.

Project Ref	Grantee	Project Name	State
01-1241-2001	WA IAC	Greater Mason County Nearshore Habitat	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-01-JUN-05	Watershed and Sub-basin Planning and Assessment	$276,375	$0	Puget Sound

Project Description

This project will assess 85 miles of nearshore and riparian areas comprising Case Inlet, North Bay, Pickering, Squaxin, Peale and Dana Passages in Mason County. The project purpose is to characterize nearshore habitat conditions and habitat functions as they pertain to salmonids and to rank and identify potential restoration and preservation sites. Project activities include mapping the historical, current physical and biological features using existing data, identifying data gaps, and collecting new data on intertidal and subtidal habitat and the spawning distributions of forage fish, and important prey for salmon.

Project Ref	Grantee	Project Name	State
01-1243-2001	WA IAC	WRIA 14 Fish Passage Project Development	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-JAN-05	Watershed and Sub-basin Planning and Assessment	$55,675	$0	Puget Sound

Project Description

This 4-phase project will: 1) Utilize the WRIA 14 Fish Passage Inventory to prioritize & rank man-made fish passage barriers to create a top tier list of potential passage projects; 2) Work with the Lead Entity Tech. Committee to identify key salmon spawning and rearing focus areas. 3) Contact landowners in the focus areas and coordinate to correct the barriers; and 4) Complete preliminary designs with professional engineering for top tier projects in the focus areas.

Project Ref	Grantee	Project Name	State
01-1258-2001	WA IAC	WRIA 1 Drainage Structure Inventory/Pass	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-JUN-02-28-FEB-05	Watershed and Sub-basin Planning and Assessment	$531,293	$0	Puget Sound

Project Description

This project will inventory all fish passage barriers in WRIA #1. First, the highest priority sub-basins will be identified and ranked. Second, existing fish passage data will be gathered. Third, existing data will be standardized to conform to the WDFW SSHEAR protocol. Fourth, displaced natural resource workers will locate and inventory structures. Fifth, habitat assessments and PI ratings will be done for priority culverts identified in the sub-basin inventory. Sixth, a prioritized project list and implementation timeline for each sub-basin will be developed.

Project Ref	Grantee	Project Name	State
01-1303-2001	WA IAC	Mashel Restoration Assessment, Phase I	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAY-02-29-SEP-04	Watershed and Sub-basin Planning and Assessment	$90,221	$0	Washington Coastal

Project Description

Through this assessment a team of habitat restoration professionals will work with key property owners and civic leaders in the town of Eatonville to develop restoration opportunities. The deliverable product will be a comprehensive Mashel River (Eatonville Vicinity) Restoration Plan, developed in cooperation with the Town of Eatonville and key private landowners, for the portion of the Mashel River running from RM 3.2 to RM 6.0. Site-specific restoration projects will result from this assessment in the identified reach.

Project Ref	Grantee	Project Name	State
01-1370-2001	WA IAC	WRIA 23 Culvert Assessment	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-SEP-01-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$180,054	$0	Washington Coastal

Project Description

This assessment will develop sub-basin maps and databases of all habitat blockages (culverts, dikes, railroad grades, etc.) for all salmonids life stages in WRIA 23. This information is needed for prioritizing restoration efforts to optimize cost benefit ratios when funding and implementing restoration projects. Three of the major rivers included in the survey are documented as "high priority basins" within the Chehalis River in the Salmon and Steelhead Restoration Strategy for the Chehalis and Nearby Drainages section of the Limiting Factors Anaylsis for WRIA's 22 and 23.

Project Ref	Grantee	Project Name	State
01-1371-2001	WA IAC	Mason County WRIA 22 Culvert Assessment	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-APR-02-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$136,472	$0	Washington Coastal

Project Description

This assessment will inventory, assess, and prioritize barriers to fish passage on anadromous streams in the Satsop Watershed. This will include culverts, dams, and identifying potential oxbow and wetland reconnections. The project will determine which structures are presently restricting fish passage using stream survey protocol. The passage barriers on both private and public lands will be included. The MCD will utilize the Pierce Conservation District's barrier database (Microsoft Access) to organize data such as location information, physical measurements, barrier status, digital site photos and prioritization information.

Project Ref	Grantee	Project Name	State
01-1393-2001	WA IAC	Hood Canal Watershed Habitat Inv & Rest	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAY-02-01-DEC-04	Watershed and Sub-basin Planning and Assessment	$75,000	$0	Puget Sound

Project Description

The study will compile existing information pertaining to salmon habitat-forming processes within the Hood Canal watershed (Task 1), fill habitat data gaps through field inventories (Task 2), synthesize and assess all resulting information, and identify and prioritize habitat restoration and conservation projects within summer chum and Chinook salmon watersheds (Task 3). Restoration and conservation projects will be identified based upon the relative level of degradation within and between streams for parameters such as LWD, riparian condition, channel condition, and sedimentation.

Project Ref	Grantee	Project Name	State
01-1395-2001	WA IAC	Beaver Cr Coordinated Resource Mgt Plan	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	13-APR-02-13-APR-05	Watershed and Sub-basin Planning and Assessment	$68,464	$0	Upper Columbia

Project Description

The Coordinated Resource Management Plan is a planning tool that helps landowners and governing agencies identify and solve problems before they become a crisis, by bringing the affected parties to the table and discussing options and potential solutions. The CRMP process will be used to look at water issues on private land with willing participants in the Beaver Creek drainage of the Methow Valley. The plan will ultimately provide recommendations for methods of water conservation along with a list of potential recovery projects.

Project Ref	Grantee	Project Name	State
01-1425-2001	WA IAC	Mid-Quilcene River LWD Restoration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$177,757	$0	Puget Sound

Project Description

This project is Phase I of two phases. Phase I consists of: 1) a reach analysis to assess current and historic data (photo record, channel locations, anthropogenic impacts, etc.) on channel migration in the floodplain, habitat and geomorphological conditions; 2) an outline of opportunities for landowners to provide land protection in perpetuity & ensure the permanence of restoration activities; & 3) an acquisition of 15 ac of riverfront portion of the project site. This will ensure implementation of the Phase 2 restoration & protection measures.

Project Ref	Grantee	Project Name	State
03-1234-2001	WA IAC	Upper Columbia Recovery Plan 03-05	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$91,460	$0	-

Project Description

Recovery plan for bull trout DPS, steelhead, and spring chinook ESU's and possibly others by 6/05.

Region includes three counties, two tribes, entire ESU for endangered Upper Columbia spring chinook and steelhead, six NWPCC sub-basins, seven WRIA's, and portions of Canada.

Project Ref	Grantee	Project Name	State
03-1236-2001	WA IAC	Lower Columbia Recovery Planning 03-05	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$195,243	$0	-

Project Description

Recovery plan for the entire Washington portion of the lower Columbia chinook, steelhead, chum, and coho ESUs and bull trout DPS by 6/05.

Region includes five counties, eleven NWPCC sub-basins from the Chinook River to the Little White Salmon, and five plus WRIA's .

Project Ref	Grantee	Project Name	State
00-1262-2000	WA IAC	Screen Enhancement (01-033)	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-30-JUN-01	Watershed and Sub-basin Planning and Assessment	$0	$1,700,000	Washington

Project Description

To provide funds for project scoping, which includes biological assessment, project option assessment, preliminary design, development of project scope, cost estimation, vicinity mapping, initiation of permits and access agreements, and inventories.

Project Ref	Grantee	Project Name	State
00-1628-2000	WA IAC	Lead Entity (WDFW) 01-050	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	22-JUN-00-30-JUN-02	Watershed and Sub-basin Planning and Assessment	$0	$139,106	Washington

Project Description

This project will provide operations and maintenance funding to four new lead entity areas statewide. Operations and maintenance is defined as salary for lead entity coordinators, office administrative support, office space rentals, meeting room rentals, phones, computers, travel, postage and other related costs. The four new lead entities include Pend Oreille Conservation District, Foster Creek Conservation District, San Juan Conservation District and a co-managed lead entity comprised of Yakima County, the Yakama Tribe and the City of Selah. Lead entities funded under this agreement are responsible for establishing a citizen-based committee, coordinating with the various salmonid habitat interests, creating a habitat project list and developing a habitat work schedule.

The Statement of Work is described in Attachment A

Project Ref	Grantee	Project Name	State
00-1674-2000	WA IAC	Swale Creek Restoration Assessment	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	02-APR-01-30-JUN-02	Watershed and Sub-basin Planning and Assessment	$14,954	$0	Middle Columbia

Project Description

Swale Creek is a major tributary to the Klickitat River in south-central Washington, draining over 70,000 acres of primarily agricultural and range land, ponderosa pine/white oak transitional forests, and remnant wetlands. An abandoned railroad bed constructed within creek channel and floodplain, exists along a ten-mile length of creek. The Swale Creek Restoration Project/Phase One: Railroad Bed Assessment will provide the plan to continue the steelhead trout recovery program in the top priority Klickitat River tributary (as ranked by the Klickitat County Technical Advisory Committee, Yakama Nation Fisheries, and Citizen Review Committee). The project includes an engineer's analysis and projected costs on the key locales along the railroad bed that need to be eliminated or changed to allow for channel connectivity and restoration of riparian function. The assessment will occur within the ten-mile Swale Creek Project area, from the Harms Road Bridge to the Klickitat River.

There are currently 13 identified steelhead redds in lower Swale Creek. The project's ultimate goal is to expand steelhead spawning and rearing habitat throughout the ten mile Swale Creek riparian area. Project cooperators include: Yakama nation, Washington Department of Fish and Wildlife, Northwest Service Academy, USFS-Columbia River Gorge Scenic Area, and Washington State Parks. The project is scheduled for spring-summer 2001.

Project Ref	Grantee	Project Name	State
00-1725-2000	WA IAC	Bainbridge Island Nearshore Assessment	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-13-AUG-04	Watershed and Sub-basin Planning and Assessment	$190,750	$0	Puget Sound

Project Description

This project will develop baseline physical and biological conditions of the natural and altered nearshore and estuarine features/habitats of Bainbridge Island's 45 miles of shoreline and eight (8) estuaries. The project will identify opportunities for habitat preservation and restoration, and strategically prioritize them. The prioritized projects will affect recovery of listed chinook salmon and other salmonid species that forage in the nearshore environment. The project will serve as an implementation tool in Bainbridge Island's land use policy development/modification. The project will help target shoreline public education and outreach programs. The project will characterize present and historic coastal drift (net shore-drift) patterns and the degree of discontinuity that shoreline modifications have created. Properly functioning conditions will be determined by tying coastal geology and biology (targeted fish species) and fisheries habitat distribution (quantity and quality). By assessing properly functioning conditions within drift cells such as feeder bluffs, substrate and riparian and aquatic habitat, this project will provide baseline information that is imperative to monitor the success of future preservation and restoration efforts. Due to the nature of the project, it is necessary for some activities to take place over four seasons. Partnership efforts are being discussed with King county nearshore technical group, the Suquamish Tribe, and Kitsap County.

Project Ref	Grantee	Project Name	State
00-1762-2000	WA IAC	Barrier Prioritization Surveys - WRIA 15	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-01-30-SEP-04	Watershed and Sub-basin Planning and Assessment	$73,700	$0	Puget Sound

Project Description

The Pierce Conservation District is in the process of completing an inventory of fish passage barriers in the andromous zone of East WRIA 15. Over 140 structures have been identified, with 56% of those determined to be barriers to fish passage. The next step is to prioritize those barriers, so higher priority projects can be addressed first. Prioritization is conducted following WDFW protocol as described in the Fish Passage Barrier Assessment and Prioritization Manual, and involves completing a field habitat survey of stream reaches above fish passage barriers to determine the quantity and quality of available habitat. Prioritization also considers species utilization, stock status for species utilizing the stream, and project cost. The result is a Priority Index (PI) score, which can be used to directly compare priorities of proposed projects. PI scores on some culverts identified by the Conservation District identified culverts in the Puyallup watershed have been used to rank projects for the 2000 construction season. After prioritization has been completed, the top ten barrier culverts will be addressed and preliminary design work will be completed. The prioritized list will also be available for Enhancement Groups, Conservation Districts, Cities, Counties, and other entities to use as a project list from which to work.

Project Ref	Grantee	Project Name	State
00-1803-2000	WA IAC	Summer Chum ESU Habitat Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	16-MAR-01-31-MAR-03	Watershed and Sub-basin Planning and Assessment	$63,750	$0	Puget Sound

Project Description

We propose the design of a summer chum ESU-wide habitat project effectiveness monitoring program. The aim is to "sum up" information at the summer chum ESU level and begin to assess the overall positive effects from projects on the habitat that summer chum use throughout all of their life stages. This project is intended to "fit" in between the upper NMFS/USFWS/State/Tribal monitoring goals level and the local watershed based/project sponsor monitoring data level. It will assist with and build upon local project sponsor implementation monitoring and other localized monitoring and "sum it up" into an overall picture. It will also marry its information up to efforts being developed at the GSRO (SWIM project), ISP monitoring structure level, and the NMFS Chinook ESU and USFWS bull trout DPS levels. Specifically it will begin: (1) assessing existing habitat data, (2) identifying missing habitat data, (3) designing a monitoring regime for missing data, (4) building a "baseline" habitat picture, (5) measuring habitat improvements from baseline through current projects, (6) researching habitat quantification measures, and (7) assisting with strategy implementation (and correction) from an adaptive management perspective. The habitat information aggregated at the summer chum ESU level will also be applicable, in conjunction with the other factors for decline (escapement levels, predation, ocean conditions, hatchery stock competition, etc.) in assessing summer chum recovery.

Project Ref	Grantee	Project Name	State
00-1811-2000	WA IAC	Big Quilcene R. Linger Longer Fea. Study	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$42,500	$0	Puget Sound

Project Description

The Big Quilcene River Linger Longer Feasibility Study will assess the viability/feasibility of projects identified by multi-agency staff and community members in the Summer Chum Salmon Conservation Initiative & Big Quilcene Comprehensive Flood Plan. They identify remedies and habitat recovery recommendations to be assessed and prioritized in the proposed study.

Potential remedies to be evaluated are purchasing riverfront properties from willing sellers, subsequent dike setbacks, extending or lengthening the Linger Longer Bridge, and constructing a designed floodway. The study will produce an evaluation of remedies and a prioritized project list leading to and forming the basis for habitat restoration projects within the study area. The proposed study area is in summer chum spawning grounds. The channel is narrowly diked with little channel complexity and unstable spawning gravel. It routinely experiences flooding events, causing chum redd scouring/burying and out of channel flow. Also, the delta has been aggrading, adversely affecting the estuary used by summer chum and Chinook for migration and feeding. The generally poor habitat condition adversely impacts spawning, incubation, juvenile rearing and migration life stages for summer chum, coho, steelhead and cutthroat trout. This study provides the assessment needed to address limiting factors in the proper sequence and to the proper extent and leads to the next steps of project design and construction.

Project Ref	Grantee	Project Name	State
00-1816-2000	WA IAC	WRIA 17 Salmonid Refugia Study	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$78,010	$0	Puget Sound

Project Description

Jefferson County and its contractors will complete a study of the stream, estuarine, and nearshore salmonid habitat in Jefferson County. This study will identify critical salmonid habitat (refugia) surrounding the streams within WRIA 17 and rank the refugia by salmonid habitat suitability. Species addressed with this project include resident and anadromous trout, as well as salmon. This project will identify the refugia, assess habitat quality, both at the instream and landscape level, and create and run a habitat suitability model. Partners will include all affected tribes, WDFW, local biologists, and others. Work for this project will be completed by 12/31/2001. The refugia study will follow the methodology of two other studies within the Hood Canal conducted in WRIA 15 and WRIA 16. The study methodology originated with Dr. Chris Frissell of the U. of Montana and was adapted by CTC for the Kitsap Peninsula (WRIA 15) salmonid refugia study. The study will address habitat usage by each species of salmonid, condition of the habitat using key indicators and priorities for conservation, enhancement and restoration. All salmonids will be addressed in this study. Specific salmonid stocks that will benefit include threatened Hood Canal summer chum and Puget Sound chinook salmon, and stocks that have been identified as depressed, including coho salmon and steelhead trout. The data will be useful for land use decisions, restoration and protection strategies, and recovery in Hood Canal.

Project Ref	Grantee	Project Name	State
00-1829-2000	WA IAC	WRIA 16 Salmonid Refugia Study, Ph 2	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAR-01-31-JAN-03	Watershed and Sub-basin Planning and Assessment	$94,645	$0	Puget Sound

Project Description

Concurrent Technologies Corporation (CTC), a non-profit organization, is applying for two (2) identical grants from SRFB (one for WRIA 14 and one for WRIA 16). The study outlined within this application is considered phase 2 of a study already begun by CTC and funded by Mason County in WRIAs 14 and 16. Almost half of the funding for Phase 1 ($20,000) will used as the matching contribution for this grant ($95,000). The study methodology outlined below originated with Dr. Chris Frissell of the University of Montana and was adapted by CTC for the Kitsap Peninsula (WRIA 15) salmonid refugia study.

This study will identify critical salmonid habitat (refugia) surrounding the streams within WRIA 16 and rank the refugia by salmonid habitat suitability. Species addressed with this project include both resident and anadromous trout as well as anadromous salmon. Phase 1 of the study, to be competed by 12/31/2000, will identify and assess the quality/utility of pertinent digital data layers was well as include gathering preliminary field data. Phase 2, this proposal, will utilize the data from phase 1 to identify the refugia, assess habitat quality both at an instream and landscape level and create and run a habitat suitability model. Partners will include the Skokomish Tribe, Squaxin Island Tribe, Mason County, Point No Point Treaty Council, local biologists, and others. Phase 2 work will be completed by 12/31/2001.

Project Ref	Grantee	Project Name	State
00-1840-2000	WA IAC	Maxwelton Estuary & Fish Passage Study	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-01-14-FEB-03	Watershed and Sub-basin Planning and Assessment	$106,675	$0	Puget Sound

Project Description

The Maxwelton Salmon Adventure (MSA), a nonprofit organization with the goal of restoring salmon runs in Maxwelton Creek, is seeking funding for a feasibility study to identify alternatives for re-establishing an estuary and improving fish passage into the creek. The study will examine historic conditions, the current state of the estuary and tide gate system and the resulting impacts on fish passage, habitat, siltation of the lower reach, and effects on the nearshore environment.

In an effort to explore alternatives that benefit salmon and the local community, MSA is working in cooperation with Diking District #2 and local landowners to develop the feasibility study. A thorough study will provide a basis for members of the community to identify mutually acceptable alternatives and to seek future funding to implement chosen alternatives.

Maxwelton Creek, at the south end of Whidbey Island, is the largest sub-basin in WRIA 6 and has a long history of salmonid use. In the early 1900's the estuary was converted to agricultural use and tide gates installed at the mouth. Tide gate modifications in 1990 have resulted in negligible returns despite 8+ years of planting chum and coho in the creek. Recent out-migrating smolt counts show Maxwelton is supporting Coho year round.

The WRIA 6 Limiting Factors Analysis recommends reestablishment of the historic estuary and lists access as a major factor in Maxwelton, calling the tide gates "the most serious problem."

Project Ref	Grantee	Project Name	State
00-1844-2000	WA IAC	Salmon Supporting Creek Inventories	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$155,000	$0	Puget Sound

Project Description

The purpose of the project is to obtain information required for the restoration of Island County's three (3) salmon supporting creeks (Maxwelton-Coho, Glendale-Coho/Chum and Chapman-Chum). The project is three-fold in nature including: creek inventories, creek restoration plans and culvert assessments, and preliminary designs and cost estimates.

The creek inventories will assess the quantity and quality of fish habitat in each creek system. The inventories will identify fish habitat and water quality concerns including fish passage barriers, hydrologic modifications, riparian conditions, and upslope land management. These inventories will be used as a foundation for the development of a Creek Restoration Plan for each system. These plans will be used in conjunction with the Watershed Stewardship program, which provides technical assistance to landowners for water quality protection and restoration projects.

The county culverts in each of these three watersheds will be assessed for fish passage and drainage functionality. Preliminary design plans, recommendations for final design and cost estimates will be developed for each county culvert on these systems. The cost estimates will be used to adequately budget for the future culvert replacements. The preliminary design plans will be used as a foundation for discussion with the WDFW for the conditions required for the final design.

Project Ref	Grantee	Project Name	State
00-1854-2000	WA IAC	Seahurst Park Bulkhead Alt. Analysis	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	26-JAN-01-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$82,000	$0	Puget Sound

Project Description

The City of Burien is initiating this study to determine the feasibility of removing all or part of the Seahurst Seawall and restoring as much shoreline, nearshore, estuarine and stream habitat within Seahurst Park to its natural biological processes as possible. Restoring the shoreline will improve the park for aquatic life, particularly the listed Chinook salmon, while preserving the recreational uses.

The study will encompass Seahurst Park, and may include the entire drift cell if necessary. It will be completed during 2001 with construction to be phased over several years. The immediate benefits will be concept level plans and cost estimates. Long-term benefits include restoring up to a mile of marine shoreline to healthy nearshore salmon habitat.

Project Objectives
* Produce an analysis that documents existing species, habitat, biological functions and recreation
* Provide alternatives for restoring the shoreline while preserving recreation
* Propose a phased implementation plan.

Project Activities
* Establish baselines for species, habitats, recreation and existing construction
* Identify desirable improvements to the various habitats
* Develop design alternatives that improve habitats and preserve recreation
* Develop capital cost estimates
* Hold public meetings to explain options and gain support
* Develop a phased construction plan

Project Supporters
* The Army Corps of Engineers
* Central Puget Sound Watershed Forum, Nearshore Technical Co.

Project Ref	Grantee	Project Name	State
00-1863-2000	WA IAC	Nisqually Fish Passage Inventory Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-01-31-MAY-04	Watershed and Sub-basin Planning and Assessment	$57,240	$0	Washington Coastal

Project Description

This project will inventory, assess and prioritize potential barriers to fish passage on streams in the Nisqually River watershed. This will include culverts, dams, and identifying potential oxbow and wetland reconnections. The project will determine which structures are presently restricting fish passage, and prioritize these structures for repair using WDFW barrier assessment and stream survey protocol. Fish passage barriers on both private and public lands will be included. The Pierce Conservation District will utilize its existing barrier database (Microsoft Access) to organize data such as location information, physical measurements, barrier status, digital site photos and prioritization information. GPS data will be collected and used to generate GIS maps showing site locations and barrier status of structures. GIS data and information from the database will be integrated into SSHIAP and the WDFW fish passage barrier database.

The Pierce Conservation District has successfully completed an identical inventory of the Puyallup River watershed and key and Gig Harbor Peninsulas (east WRIA 15). The District has trained staff, equipment and computer database needed to complete an inventory for the Nisqually. The database created for the Puyallup watershed has been used to identify and prioritize projects that were implemented this year. All data collected, including the database and GIS, will be distributed via hard copy and on CD-ROM to all interested parties.

Project Ref	Grantee	Project Name	State
00-1881-2000	WA IAC	Lower Chehalis River Basin Riparian Vege	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	12-FEB-01-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$26,687	$0	Washington Coastal

Project Description

This assessment will identify riparian vegetation conditions in the Humptulips, Hoquium, Wishkah, Wynoochee, and Middle and East Forks Satsop Rivers where no watershed analysis has been conducted. East/West Forks Humptulips and West Fork Satsop Rivers are not included, since riparian modules exist from 1995 and 1999 Watershed Analyses. Limiting Factors Analyses were completed on the Humptulips, Satsop and Wynoochee River watersheds.

Riparian vegetation conditions would be identified for all fish bearing tributaries (Type 1-4) in each subbasin following protocol for Riparian Assessments in Standard Methodology for Watershed Analysis (WA Forest Practices Board, Version 4.0, 1997). A Forestry Consultant will identify riparian conditions using aerial photo interpretation, ground truth representative riparian condition units, and develop the GIS database for riparian conditions and canopy closure. Digitizing the database and GIS map products will be completed by the NWIFC GIS Specialist, under contract to the WA Conservation Commission. The assessment will characterize riparian conditions in the key salmon and steelhead producing sub-basing of the Lower Chehalis River, and assist in identifying effective riparian restoration projects. The completed assessment will become part of the NWIFC-SSHIAP database.

Project Ref	Grantee	Project Name	State
00-1889-2000	WA IAC	WRIA 24 Fish Habitat Assess Prgrm 2001/2	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	16-MAR-01-30-JUN-02	Watershed and Sub-basin Planning and Assessment	$126,911	$0	Washington Coastal

Project Description

Because of past anthropomorphic activity, WRIA 24 has become degraded. Land use practices have resulted in increased sediment input into key basin streams. The Nemah and Naselle Rivers in particular are impacted. It is clearly understood that a variety of natural instream processes (LWD, pool and riffles, bank stability, floodplains, etc.) contribute to the ecosystem health of instream habitats. These elements sustain properly functioning ecosystems and maintain biodiversity for salmon and trout in the freshwater environment. In particular, they maintain and facilitate the natural role of sediment in stream channels. Alterations in these ecological processes can negatively and severely affect salmonid rearing and spawning habitat.

In WRIA 24, the alteration of sediment function in streams is the most pervasive factor limiting salmon recovery; therefore, we propose a systemic and systematic approach to evaluating the relative condition of physical processes controlling sediment levels in streams. This program will include an explicit, scientifically based assessment of physical instream structure and channel composition influencing the delivery, transport, mobilization, recruitment and storage of stream materials. The assessments will be done in coordination with ongoing efforts of local, state, and federal government and private entities. The outcome from these investigations will be a set of recommended strategic projects for subsequent of SRFB funding.

Project Ref	Grantee	Project Name	State
02-1634-2000	WA IAC	Lower Icicle Reach-Level Assessment	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	02-MAY-03-01-MAY-05	Watershed and Sub-basin Planning and Assessment	$40,375	$0	Upper Columbia

Project Description

This proposal is for a reach-level assessment of physical processes of the lower reach of Icicle Creek (2.8 river miles). The assessment will fill a primary data gap and use a protocol similar to that described by Rosgen as a Level 3 analysis, and synthesize data obtained together with existing information to develop a restoration and protection strategy for the reach. A major habitat acquisition in this reach was funded by the SRFB, and potential restoration of that habitat will be impeded without the proposed assessment.

Project Ref	Grantee	Project Name	State
03-1234-2000	WA IAC	Upper Columbia Recovery Plan 03-05	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$115,375	$0	-

Project Description

Recovery plan for bull trout DPS, steelhead, and spring chinook ESU's and possibly others by 6/05.

Region includes three counties, two tribes, entire ESU for endangered Upper Columbia spring chinook and steelhead, six NWPCC sub-basins, seven WRIA's, and portions of Canada.

Project Ref	Grantee	Project Name	State
03-1237-2000	WA IAC	Puget Sound Recovery Planning 03-05	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$563,497	$0	-

Project Description

The Shared Strategy for Puget Sound is a collaborative effort to protect and restore salmon runs across Puget Sound. Participants include federal and state agencies, tribes, local governments, and key non-governmental organizations from the 12 counties and 19 WRIAs within the region.

Shared Strategy engages local citizens, tribes, technical experts and policy makers to build a practical, cost-effective recovery plan endorsed by the people living and working in the watersheds of Puget Sound. They have identified five stages to creating the recovery plan for Puget Sound chinook:
1) Identify what should be in a recovery plan and assess how current efforts can support the plan.
2) Set recovery targets and ranges for each watershed.
3) Identify actions needed at the watershed level to meet targets.
4) Determine if identified actions add up to recovery. If not, identify needed adjustments.
5) Finalize the plan and actions and commitment necessary for successful implementation.
The Shared Strategy is committed to producing a draft recovery plan by June 2005.

Project Ref	Grantee	Project Name	State
99-1740-2000	WA IAC	L.Columbia Fish Recovery Bd: 01-09	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$0	$480,000	Washington

Project Description

Expand the existing organizational infrastructure to assure appropriate federal, tribal, state and local participation in the development of (1) draft regional fish recovery goals, strategies and priorities; (2) assessment of fish stock and habitat status of fish species listed or proposed for listing under the ESA in the lower Columbia Region; (3) a draft overview of factors limiting recovery of each species in the region and a draft assessment of habitat conditions limiting recovery; and (4) a draft watershed action plan for fish recovery.

Project Ref	Grantee	Project Name	State
99-1741-2000	WA IAC	Conservation District Activities: 01-08	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-30-JUN-02	Watershed and Sub-basin Planning and Assessment	$0	$824,911	Washington

Project Description

Assist in the protection and restoration of Puget Sound by funding conservation districts' projects that address the priority issues and actions that are detailed in the 1999-2001 Puget Sound Water Quality Work Plan

Project Ref	Grantee	Project Name	State
99-1742-2000	WA IAC	People for Salmon: 01-010	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-31-DEC-01	Watershed and Sub-basin Planning and Assessment	$0	$799,994	Washington

Project Description

Through a program called People for Salmon, to actively and broadly involve the public, business, industry, tribes, property owners, non-profits and others in community-based salmon recovery projects throughout the state by facilitating the creation of partnerships and by providing a framework of training, coordination and dollar and in-kind assistance.

Project Ref	Grantee	Project Name	State
99-1743-2000	WA IAC	Monitor. Restor. (SSHIAP): 01-011	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-30-JUN-02	Watershed and Sub-basin Planning and Assessment	$0	$982,453	Washington

Project Description

Provide WDFW with funding for continued data acquisition, integration and internet access of data for the Salmon and Steelhead Habitat Inventory and Assessment Project (SSHIAP).

Project Ref	Grantee	Project Name	State
99-1744-2000	WA IAC	Aquatic Habitat Guidelines 01-012	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-99-31-MAR-03	Watershed and Sub-basin Planning and Assessment	$0	$800,000	Washington

Project Description

Assist WDFW with the ongoing development and dissemination of standards and guidelines for stream corridor and marine shoreline salmon habitat protection and restoration

Project Ref	Grantee	Project Name	State
99-1745-2000	WA IAC	Selective Harvesting: 01-014	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-AUG-99-31-MAY-01	Watershed and Sub-basin Planning and Assessment	$0	$48,901	Washington

Project Description

Develop new harvesting gear, techniques and equipment to improve the capacity of Washington's salmon fisheries to release those species and stocks of fish and wildlife that need increased protection as a result of ESA listings.

Project Ref	Grantee	Project Name	State
99-1746-2000	WA IAC	Reduce By-Catch: 01-015	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-31-JUL-00	Watershed and Sub-basin Planning and Assessment	$0	$50,000	Washington

Project Description

Monitoring of sport fisheries that have been established under selective fishing rules. WDFW will use this information to evaluate the efficacy of the selective fishery tool to minimize impacts on listed salmonids; and allow design of improvements of future fisheries.

Project Ref	Grantee	Project Name	State
99-1748-2000	WA IAC	Lower Columbia FRB: 01-19	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-31-OCT-00	Watershed and Sub-basin Planning and Assessment	$0	$20,000	Washington

Project Description

Provide lead-entity funding for the Lower Columbia Fish Recovery Board

Project Ref	Grantee	Project Name	State
99-1749-2000	WA IAC	Engineering Services 01-013	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-SEP-99-30-JUN-00	Watershed and Sub-basin Planning and Assessment	$0	$8,222	Washington

Project Description

Provide pre-design and engineering services for project development, including project inventory and selection, functional design, preliminary permitting and cost estimates. SSHEAR targets high priority, high risk projects beyond the normal capability of most local agencies.

Project Ref	Grantee	Project Name	State
WA DNR IAC 13	WA IAC WA Department of Natural Resources	Support WDFW staff	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$388,000	$0	Washington

Project Description

Support on-going costs for WDFW staff to assist landowners and DNRin implementing Forests and Fish and ensuring compliance with the forest practices rules and the hydraulics code.

Project Ref	Grantee	Project Name	State
WA DNR IAC 12	WA IAC WA Department of Natural Resources	Forests and Fish Agreements - Forest and Fish Implementation (F and W)	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	29-JUL-03-30-JUN-06	Watershed and Sub-basin Planning and Assessment	$388,000	$0	Washington

Project Description

Support WDFW staff to assist landowners in implementing and ensuring compliance with the new forest practice rules

Project Ref	Grantee	Project Name	State
WA DNR IAC 13	WA IAC WA Department of Natural Resources	Forests and Fish Agreements - Forest and Fish Implementation (F and W)	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	25-JUL-02-30-JUN-06	Watershed and Sub-basin Planning and Assessment	$388,000	$0	Washington

Project Description

Support WDFW staff to assist landowners in implementing and ensuring compliance with the new forest practice rules

Project Ref	Grantee	Project Name	State
WA DNR IAC 11	WA IAC WA Department of Natural Resources	Forests and Fish Agreements - DNR GIS Hydrography Data Layer	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-AUG-01-30-MAY-05	Watershed and Sub-basin Planning and Assessment	$1,586,000	$0	Washington

Project Description

Build an accurate, up-to-date geographic information system to show streams and fish habitat on private and state forest land so fish habitat is better protected and monitored

Project Ref	Grantee	Project Name	State
WA DNR IAC 11	WA IAC WA Department of Natural Resources	Forests and Fish Agreements - DNR GIS Forest Roads Layer	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-AUG-01-30-MAY-05	Watershed and Sub-basin Planning and Assessment	$268,000	$0	Washington

Project Description

Build an accurate, up-to-date geographic information system to show forest roads on private and state forest land to track landowners' commitments to reduce sedimentation

Project Ref	Grantee	Project Name	State
WA DNR IAC 11	WA IAC WA Department of Natural Resources	Forests and Fish Agreements - Forest and Fish Implementation (F and W)	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-AUG-01-30-MAY-05	Watershed and Sub-basin Planning and Assessment	$299,000	$0	Washington

Project Description

Support WDFW staff to assist landowners in implementing and ensuring compliance with the new forest practice rules

Project Ref	Grantee	Project Name	State
WA DNR IAC 11	WA IAC WA Department of Natural Resources	Forests and Fish Agreements - DNR Forest Practices Permit System	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-AUG-01-30-MAY-05	Watershed and Sub-basin Planning and Assessment	$146,000	$0	Washington

Project Description

Improve the publics ability to review and comment on proposed forest practice activities on private and state forest land (Forest practices application review system)

Project Ref	Grantee	Project Name	State
WA DNR IAC 16	WA IAC WA Department of Natural Resources	Forests and Fish Agreements - DNR GIS Hydrography Data Layer	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	06-JUN-00-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$1,408,000	$0	Washington

Project Description

Build an accurate, up-to-date geographic information system to show streams and fish habitat on private and state forest land so fish habitat is better protected and monitored

Project Ref	Grantee	Project Name	State
WA DNR IAC 16	WA IAC WA Department of Natural Resources	Forests and Fish Agreements - DNR GIS Forest Roads Layer	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	06-JUN-00-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$309,000	$0	Washington

Project Description

Build an accurate, up-to-date geographic information system to show forest roads on private and state forest land to track landowners' commitments to reduce sedimentation

Project Ref	Grantee	Project Name	State
WA DNR IAC 16	WA IAC WA Department of Natural Resources	Forests and Fish Agreements - Forest and Fish Implementation (WA DNR	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	06-JUN-00-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$631,000	$0	Washington

Project Description

Support start-up and other costs for field staff in DNR and WDFW to assist landowners in implementing and ensuring compliance with the new forest practice rules

Project Ref	Grantee	Project Name	State
WA DNR IAC 16	WA IAC WA Department of Natural Resources	Forests and Fish Agreements - DNR Hazard Zonation Mapping	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	06-JUN-00-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$55,082	$0	Washington

Project Description

Map unstable slopes to reduce landslides into streams resulting from forest practices ("hazard zonation" mapping)

Project Ref	Grantee	Project Name	State
WA DNR IAC 16	WA IAC WA Department of Natural Resources	Forests and Fish Agreements - DNR Forest Practices Permit System	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	06-JUN-00-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$949,000	$0	Washington

Project Description

Improve the publics ability to review and comment on proposed forest practice activities on private and state forest land (Forest practices application review system)

Project Ref	Grantee	Project Name	State
Siletz - 05	Siletz	Post-Treatment Salt Marsh Restoration Fish Community Analysis	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-APR-04-01-SEP-05	Watershed and Sub-basin Planning and Assessment	$45,000	$0	Northern Oregon Coastal

Project Description

Pretreatment Salt Marsh Restoration Fish Community Monitoring. Monitor a series of pretreatement, treatment and reference marshes for fish community assessment.

Project Ref	Grantee	Project Name	State
Siletz - 06	Siletz	Siletz Basin Limiting Factors Analysis	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-APR-04-01-SEP-05	Watershed and Sub-basin Planning and Assessment	$20,000	$0	Northern Oregon Coastal

Project Description

55 Mile Mainstem Siletz River Juvenile Spatial Rearing Pattern Analysis

Project Ref	Grantee	Project Name	State
Siletz - 03	Siletz	Pre-Treatment Salt Marsh Restoration Fish Community Analysis	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-01-MAR-04	Watershed and Sub-basin Planning and Assessment	$80,000	$0	Northern Oregon Coastal

Project Description

Pretreatment Salt Marsh Restoration Fish Community Monitoring. Monitor a series of pretreatement, treatment and reference marshes for fish community assessment.

Project Ref	Grantee	Project Name	State
Siletz - 04	Siletz	Siletz Basin Limiting Factors Analysis	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-01-MAR-04	Watershed and Sub-basin Planning and Assessment	$20,000	$0	Northern Oregon Coastal

Project Description

55 Mile Mainstem Siletz River Juvenile Spatial Rearing Pattern Analysis

Project Ref	Grantee	Project Name	State
Siletz - 02	Siletz	Salt Marsh Restoration - Fisheries	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-01-SEP-02	Watershed and Sub-basin Planning and Assessment	$71,250	$0	Northern Oregon Coastal

Project Description

Salt marsh restoration-Fisheries Map, describe spatially explicit salmonid densities across estuarine system - both future restoration and reference sites

Project Ref	Grantee	Project Name	State
Siletz - 01	Siletz	Salt Marsh Restoration - Habitat	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-00-01-SEP-01	Watershed and Sub-basin Planning and Assessment	$47,500	$0	Northern Oregon Coastal

Project Description

Salt marsh restoration-Habitat. Map,describe spatially explicit habitats across estuarine system - both restoration and reference.

Project Ref	Grantee	Project Name	State
SBT-Planning-01	Shoshone-Bannock	SBT-Planning-4(d) Tribal Resource Plan	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02- -	Watershed and Sub-basin Planning and Assessment	$55,416	$0	Salmon

Project Description

The Shoshone-Bannock Tribes will collaborate, coordinate and work with the NMFS, USFWS, and co-managers to develop an ESA Section 4(d) Tribal Resource Plan that combines the elements of a Hatchery Genetics Management Plan (production), Fisheries Management and Evaluation Plan (harvest), and habitat plans. The Shoshone-Bannock Tribes will mutually develop a comprehensive plan and program for the use of artificial propagation to recover naturally producing salmon and steelhead. Includes collaboration with Endangered Species Act Technical Recovery Teams and with the co-managers, USFWS and NMFS to fulfill the artificial propagation biological opinion and the Federal Columbia River Power System biological opinion reasonable and prudent alternatives (BPA responsibilities) and implementation of the federal agencies Recovery Plan. Principally, the work will involve tracking and providing input to the Technical Recovery Team guidelines and critical and viable populations estimates for each subpopulation of Snake River steelhead and spring/summer chinook salmon.

Project Ref	Grantee	Project Name	State
SBT-Planning-02	Shoshone-Bannock	SBT-Planning-4(d) Tribal Resource Plan	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-FEB-02-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$50,000	$0	Salmon

Project Description

The Shoshone-Bannock Tribes are active co-managers of the aquatic resource in the Salmon River Basin with the Nez Perce Tribe, Idaho Department of Fish and Game, USFWS and NMFS. The Tribes anadromous fish management authority in the Salmon River Basin is upheld through aboriginal and treaty rights, through case law, and as a party to U.S. v Oregon. The Tribes are also intimate partners in land and water use management through a variety of sovereign processes. The production actions under this program are presently included in ESA Section 10 Permits and the Section 7 Artificial Production Biological Opinion and will be coordinated with and will involve Lower Snake River Compensation Program and Hells Canyon Settlement Agreement production programs. The Shoshone-Bannock Tribes are presently in need of funding to finalize a draft Salmon River Production Master Plan that is intended to help in the collaborative recovery planning process. The Shoshone Bannock Tribes' Resource Plan under ESA Section 4(d) will combine the Production Master Plan with detailed harvest and habitat plans.

Project Ref	Grantee	Project Name	State
SBT-Planning-03	Shoshone-Bannock	SBT-Planning-4(d) Tribal Resource Plan	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-FEB-02-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$32,000	$0	Salmon

Project Description

The Shoshone-Bannock Tribes have always been involved with salmon agreement, and have been leaders in some significant salmon management issues (e.g. intervening in U.S. v Oregon, rehabilitating Yankee Fork and Bear Valley Creek, successfully petitioning the Snake River sockeye salmon for ESA listing, promoting hydrosystem configuration modifications). The Tribes successfully contract with the BIA (Self-Determination 638 funding), BPA (Fish and Wildlife Program), and a variety of other programs, and have efficient administrative and fiscal reporting resources along with a well established Fisheries Department. PCSRF funding would complement the existing tribal Salmon River Production Program and the existing BIA-638 Fish Management and Development Program, which are in dire need of additional funding in order for the Shoshone-Bannock Tribes to collaborate on anadromous fish recovery planning and project implementation.

Project Ref	Grantee	Project Name	State
23 370 40	Round Valley	Watershed Monitoring Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$10,000	$0	California

Project Description

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Project Ref	Grantee	Project Name	State
OWRD002b	OWEB OR Water Resources Department	OWRD Watershed and Sub-basin Planning and Asessment	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$0	$0	Oregon

Project Description

Provide technical assistance and outreach to support streamflow restoration efforts. Project will target ESUs that occur in Oregon coastal watersheds and Columbia river tributaries in Oregon.

Project Ref	Grantee	Project Name	State
ODF002	OWEB OR Department of Forestry	Forest Assessment Project - Information Analysis	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$92,488	$57,567	Oregon

Project Description

This project will fund an Information Analyst to: Identify, acquire, and catalog GIS data and other information needed for ODF projects analyzing cumulative effects, Investigate opportunities to coordinate inventory information and methods between the multiple riparian vegetation assessment efforts, Work to establish an information sharing network between ODF, EPA, USDA-FS, and other Oregon Plan cooperators, Serve as an agency technical expert on GIS technology and coordinate wit other program staff specialist, OSU researchers, federal cooperators, and others.

Project Ref	Grantee	Project Name	State
ODFW004b	OWEB OR Department of Fish and Wildlife	Habitat and Fish Management Biologists	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$38,001	$0	Lower Columbia

Project Description

Assistant District Biologist (2.92 FTE): Work directly with District Fish Biologists and are associated with ongoing District fieldwork such as landowner assistance, habitat restoration, creel surveys, and other fish management activities that support the Oregon Plan. Serve as lead worker to field crews, and often share responsibility with the District Fish Biologist to represent the Department at public meetings. They work with the District Fish Biologist in development of annual angling regulations that protect indigenous stocks. Habitat Biologist (3.0 FTE): Provide technical assistance/consultation for State/Federal agencies, local governments, watershed councils, and landowners on protection, enhancement and restoration of fish and wildlife habitats. Assist with critical elements of the Oregon Plan, which are to allow sustainable development and also minimize, mitigate, or eliminate negative impacts to fish and wildlife habitat.

Project Ref	Grantee	Project Name	State
ODFW004e	OWEB OR Department of Fish and Wildlife	Habitat and Fish Management Biologists	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$42,672	$0	Northern Oregon Coastal

Project Description

Assistant District Biologist (2.92 FTE): Work directly with District Fish Biologists and are associated with ongoing District fieldwork such as landowner assistance, habitat restoration, creel surveys, and other fish management activities that support the Oregon Plan. Serve as lead worker to field crews, and often share responsibility with the District Fish Biologist to represent the Department at public meetings. They work with the District Fish Biologist in development of annual angling regulations that protect indigenous stocks. Habitat Biologist (3.0 FTE): Provide technical assistance/consultation for State/Federal agencies, local governments, watershed councils, and landowners on protection, enhancement and restoration of fish and wildlife habitats. Assist with critical elements of the Oregon Plan, which are to allow sustainable development and also minimize, mitigate, or eliminate negative impacts to fish and wildlife habitat.

Project Ref	Grantee	Project Name	State
ODFW008	OWEB OR Department of Fish and Wildlife	Watershed Council Technical Support	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$371,401	$0	Oregon

Project Description

The purpose of these positions (3.0 FTE) is to act as ODFW's representative to watershed councils and other local watershed-based groups, providing expert advice on watershed restoration activities. A major responsibility is to provide technical support on fish population and fish habitat needs to watershed councils and to aid in their development and implementation of the watershed assessment and action plans required by the Memorandum of Agreement (MOA) between the National Marine Fisheries Service (NMFS) and the State of Oregon. In addition, activities, directions, requests, and issues arising from activities of the councils will be resolved or communicated to ODFW staff as needed to facilitate coordination of restoration activities.

Project Ref	Grantee	Project Name	State
ODFW001a	OWEB OR Department of Fish and Wildlife	Aquatic Inventories Program	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$88,031	$0	Oregon

Project Description

The Aquatic Inventories Program is comprised of 5 projects: (1) monitor aquatic and riparian habitat in coastal basins at randomly selected sites as part of the Oregon Plan for Salmon and Watersheds, (2) provide quantitative assessments of aquatic and riparian habitat in streams and rivers throughout the state of Oregon, (3) monitor the response of habitat restoration projects, (4) conduct selected studies on salmonid and non-salmonid populations, and (4) conduct studies on salmonid use and performance in estuaries. This project funds 2.0 FTE to direct project implementation.

Project Ref	Grantee	Project Name	State
ODFW004j	OWEB OR Department of Fish and Wildlife	Habitat and Fish Management Biologists	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$11,156	$0	Willamette

Project Description

Assistant District Biologist (2.92 FTE): Work directly with District Fish Biologists and are associated with ongoing District fieldwork such as landowner assistance, habitat restoration, creel surveys, and other fish management activities that support the Oregon Plan. Serve as lead worker to field crews, and often share responsibility with the District Fish Biologist to represent the Department at public meetings. They work with the District Fish Biologist in development of annual angling regulations that protect indigenous stocks. Habitat Biologist (3.0 FTE): Provide technical assistance/consultation for State/Federal agencies, local governments, watershed councils, and landowners on protection, enhancement and restoration of fish and wildlife habitats. Assist with critical elements of the Oregon Plan, which are to allow sustainable development and also minimize, mitigate, or eliminate negative impacts to fish and wildlife habitat.

Project Ref	Grantee	Project Name	State
DEQ001a	OWEB OR Department of Environmental Quality	Willamette TMDLs: Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-OCT-04	Watershed and Sub-basin Planning and Assessment	$362,071	$133,758	Willamette

Project Description

Complete public review draft of the WIllamette Basin TMDLs and Water Quality Management Plan (analysis of source/causes of pollution (primarily temperature, sediment and bacteria) and plan to restore water quality so that it meets water quality standards).

Project Ref	Grantee	Project Name	State
DEQ003	OWEB OR Department of Environmental Quality	Volunteer Monitoring	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$210,000	$0	Oregon

Project Description

Provide equipment and training to watershed councils to assist them with developing and implementing water quality monitoring programs

Project Ref	Grantee	Project Name	State
OWEB 204-298	OWEB	Thirtymile Cr Watershed Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	17-AUG-04-30-JUN-06	Watershed and Sub-basin Planning and Assessment	$74,091	$0	John Day

Project Description

Thirtymile Creek drainage includes two 5th field HUCs. The watershed is dominated by summer fallow wheat agriculture and supports a spawning population of steelhead. It flows into the John Day River in southern Gilliam County. A watershed assessment would be done using OWEB Assessment Manual protocol. The assessment would occur over a year with intensive GIS layer development. One-foot aerial imagery will be flown in late spring to assure vegetation and riparian areas are visible. The applicant just completed an assessment of the Hay-Scott Canyon area of Gilliam County. The watershed is 172,944 acres. OWEB funds would be used for labor and materials. Other partners in the project include Gilliam SWCD, Gilliam-East John Day Watershed Council, NRCS, ODFW, OWRD, Oregon Youth Conservation Corps and DEQ.

Project Ref	Grantee	Project Name	State
OWEB 204-299	OWEB	Transcription of General Land Office Survey Notes	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	08-JUL-04-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$26,000	$0	Klamath

Project Description

The original survey notes from 1860-1912 of section lines provide the first quantitative descriptions of watershed cover. This information can aid in the assessment of historic conditions in the Klamath Basin. The project would transcribe those notes and display the information on maps, tables and descriptions. OWEB funds would be used to support an OIT student to transcribe the notes and make the Access data available. Other partners in this project include OIT and the USFWS.

Project Ref	Grantee	Project Name	State
OWEB 204-300	OWEB	Grass Valley Watershed Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	28-JUN-04-30-JUN-06	Watershed and Sub-basin Planning and Assessment	$45,639	$0	John Day

Project Description

The Grass Valley watershed is the largest watershed in Sherman County. This project proposes to complete a watershed assessment for two 5th field HUCs and minor drainages to the Deschutes and John Day rivers. The watershed council is very interested in completing this assessment for the 100 landowners in the area. The application proposes to fund a research analyst. The application shows support from ODFW, NRCS, OSU Extension, WRD, BLM and Sherman County.

Project Ref	Grantee	Project Name	State
OWEB 204-307	OWEB	Alvord Lakes WS Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	16-JUL-04-30-JUN-06	Watershed and Sub-basin Planning and Assessment	$40,480	$0	Oregon Closed Basins

Project Description

The project proposes to prepare a watershed assessment on three subbasins which total 3.2 million acres, each comprises several closed basins with similar geologic factors. Existing geologic, hydrologic, climatic, stream, plant and wildlife data will be compiled. Field work will be initiated on the identification of data gaps. Landowner collaboration will be encouraged. OWEB funds are requested for project manager (11%), assessment contractor (79%), and administration (9%). Cost-share partners include ODFW, BLM, Harney County Court, and Harney County WSC.

Project Ref	Grantee	Project Name	State
OWEB 204-308	OWEB	Butte Cr Watershed Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	23-JUN-04-30-JUN-06	Watershed and Sub-basin Planning and Assessment	$84,535	$0	John Day

Project Description

The assessment will characterize historical and current watershed conditions in Butte Creek basin comprising 120,000 acres. The assessment will identify specific opportunities and priorities for watershed restoration efforts and will be conducted by a contracted consultant with a technical advisory team representing various agencies providing oversight and information. OWEB funds are requested primarily for project management and contracted services. Other cost-share partners include NRCS, ODFW, Wheeler SWCD, WRD, ODF, Wheeler County Court, City of Fossil, and landowners.

Project Ref	Grantee	Project Name	State
OWEB 204-309	OWEB	Community Planning Process L Joseph Cr WS Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	07-SEP-04-30-JUN-06	Watershed and Sub-basin Planning and Assessment	$50,000	$0	Lower Snake

Project Description

The applicant is proposing to do an assessment of current conditions in lower Joseph Creek watershed (162,807 acres) to develop priorities for watershed restoration. Assessments of forest, range, and range conditions will occur as well as road and recreational-use analysis and wildlife issues. OWEB funds are requested for forest assessment (64%), riparian assessment (30%), and administration (6%). Cost-share partners include The Nature Conservancy, USFS, Ford Foundation/Wallowa Resources, Wallowa County NRAC, Grande Ronde Model Watershed.

Project Ref	Grantee	Project Name	State
OWEB 204-470	OWEB	CREP Tech Assistance (05-28-04 Bd Approved)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	19-JUL-04-30-DEC-05	Watershed and Sub-basin Planning and Assessment	$19,800	$0	Deschutes

Project Description

CREP Tech Assistance

Project Ref	Grantee	Project Name	State
OWEB 204-471	OWEB	CREP Tech Assistance (05-28-04 Bd Approved)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	09-AUG-04-30-DEC-05	Watershed and Sub-basin Planning and Assessment	$45,000	$0	Lower Snake

Project Description
CREP Tech Assistance

Project Ref	Grantee	Project Name	State
OWEB 204-472	OWEB	CREP Tech Assistance (05-28-04 Bd Approved)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	20-JUL-04-30-DEC-05	Watershed and Sub-basin Planning and Assessment	$26,059	$0	John Day

Project Description
CREP Tech Assistance

Project Ref	Grantee	Project Name	State
OWEB 204-473	OWEB	CREP Tech Assistance (05-28-04 Bd Approved)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	30-JUL-04-30-DEC-05	Watershed and Sub-basin Planning and Assessment	$47,000	$0	Willamette

Project Description
CREP Tech Assistance

Project Ref	Grantee	Project Name	State
OWEB 204-474	OWEB	CREP Tech Assistance (05-28-04 Bd Approved)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	09-SEP-04-30-DEC-05	Watershed and Sub-basin Planning and Assessment	$45,000	$0	Klamath

Project Description
CREP Tech Assistance

Project Ref	Grantee	Project Name	State
OWEB 204-475	OWEB	CREP Tech Assistance (05-28-04 Bd Approved)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	05-OCT-04-30-JUL-05	Watershed and Sub-basin Planning and Assessment	$5,000	$0	Oregon Closed Basins

Project Description

CREP Tech Assistance

Project Ref	Grantee	Project Name	State
OWEB 204-476	OWEB	CREP Tech Assistance (05-28-04 Bd Approved)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	28-SEP-04-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$40,510	$0	Southern Oregon Coastal

Project Description

CREP Tech Assistance

Project Ref	Grantee	Project Name	State
OWEB 204-477	OWEB	CREP Tech Assistance (05-28-04 Bd Approved)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$41,631	$0	Southern Oregon Coastal

Project Description

CREP Tech Assistance

Project Ref	Grantee	Project Name	State
OWEB 204-485	OWEB	Alder Cr Farm Wetland Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$15,960	$0	Northern Oregon Coastal

Project Description

Technical assistance is needed to help the Lower Nehalem Community Trust with wetland restoration on a 55-acre property they've acquired at the confluence of Alder Creek and Nehalem Bay. OWEB funds will be used for topographic surveying and mapping, biological planning, and preliminary and final wetland restoration designs and specifications.

Project Ref	Grantee	Project Name	State
OWEB 204-487	OWEB	Little Pompey Wetland Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	21-SEP-04-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$15,750	$0	Northern Oregon Coastal

Project Description

Technical assistance is needed for The City of Cannon Beach to contract for civil engineering design assistance to prepare a final project design and a joint DSL/Army Corps of Engineers (COE) permit application for the final estuarine and wetland restoration project. The final project will be implemented on city-owned land low in the Ecola Creek Watershed on the north Oregon coast.

Project Ref	Grantee	Project Name	State
OWEB 204-488	OWEB	Lower Vaughn Cr Engineering Designs	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$12,600	$0	Northern Oregon Coastal

Project Description

Technical assistance is needed to contract with an engineering firm to design alternatives to three undersized and/or failing culverts at two sites on Vaughn Creek, a tributary to Tillamook Bay. The outcome of the technical assistance will be construction-ready plans for alternatives to the problem culverts and the diversion dam that will improve fish passage and water quality.

Project Ref	Grantee	Project Name	State
OWEB 204-494	OWEB	Little Butte Cr Fish Passage Improvement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$12,000	$0	Southern Oregon Coastal

Project Description

Technical assistance is needed to provide project management services to develop designs to address five fish passage barriers in Little Butte Creek in southwestern Oregon. Successful completion of the resulting restoration project will open all 17 miles of the Little Butte Creek mainstem.

Project Ref	Grantee	Project Name	State
OWEB 204-495	OWEB	Design & Engineering of the Messinger Road Irrigation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$31,080	$0	Southern Oregon Coastal

Project Description

Technical assistance is needed to support the design, engineering, and production of construction drawings and bid documents for the construction of a two-mile long pipeline from the Applegate River to Williams. The project would result in the removal of one push up dam and could, through the purchase of stored water in the Applegate Dam, result in increase stream flows. OWEB funds will be used to support engineering, design, and production costs.

Project Ref	Grantee	Project Name	State
OWEB 204-496	OWEB	W Fork Trail Cr Bridge Design/Fish Pasage	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$12,000	$0	Southern Oregon Coastal

Project Description

Technical assistance is needed to develop an alternative to an undersized culvert that impedes fish passage and causes increased erosion and sedimentation to Trail Creek in the Upper Rogue Watershed. The design when implemented would enhance passage for coho, resident trout, and steelhead to six miles of habitat above. OWEB funds will be used for design development.

Project Ref	Grantee	Project Name	State
OWEB 204-497	OWEB	Bear Cr Fish Passage Design	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$12,747	$0	Willamette

Project Description

Technical assistance is needed for fish passage designs for a small irrigation dam and a culvert replacement at two locations on Bear Creek in the Long Tom Watershed. Removing these barriers will open up over five miles of spawning, winter rearing and summer refuge habitat for cutthroat trout. OWEB funds will be used for contracted services including a design engineer, principle engineer and survey technician.

Project Ref	Grantee	Project Name	State
OWEB 204-498	OWEB	Benton Co Luckiamute River WS Fish Passage Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	28-SEP-04-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$18,900	$0	Willamette

Project Description

Technical assistance is needed for surveys, engineering design, and to obtain permits and develop grant applications to request funding for construction of up to four fish passage and stream restoration projects within the Luckiamute Watershed, Benton County. These projects will allow fish passage to approximately 14 miles of upstream fish habitat. OWEB funds will be used for personnel, contracted services, including the engineering and survey work, and transportation.

Project Ref	Grantee	Project Name	State
OWEB 204-499	OWEB	Lost Cr Confluence Restoration - Phase 2	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	06-OCT-04-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$18,000	$0	Willamette

Project Description

Technical assistance is needed for the design of Phase 2 of a 27-acre riparian restoration and reforestation demonstration project at the confluence of Lost Creek and the Middle Fork Willamette River in Elijah Bristow State Park. The technical assistance will help the Middle Fork Willamette Watershed Council plan a restoration project designed to re-establish native riparian/floodplain forest, control invasive weeds, enhance western pond turtle habitat, and improve conditions in a manner best suited for the site. OWEB funds will be used for contracted services including project management, hiring specialists and for GIS services.

Project Ref	Grantee	Project Name	State
OWEB 204-503	OWEB	Lowell Butte Upland Oak Savannah & Bergey II Wetland	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	06-OCT-04-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$48,300	$0	Willamette

Project Description

Technical assistance is needed to complete integrated restoration plans, and to restore, protect, and manage over 637 acres of endangered Willamette Valley upland oak savannah, oak woodland, native wet prairie, and wetland habitats. OWEB funds will be used for funding technical staff at East Lane SWCD and contracted services to provide resource inventories and noxious weed and wildlife inventories, facilitate forest stand improvements and tree and shrub establishment, treat invasive species, and develop engineering plans.

Project Ref	Grantee	Project Name	State
OWEB 204-504	OWEB	Snake-Deford Stream Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$24,200	$0	Willamette

Project Description

Technical assistance is needed for: 1) Detailed topographic survey and analysis of stream corridor, overflow channels, homes, and other development; and 2) An analysis of fish habitat conditions, road stream crossings, channel modifications and large woody debris placement. OWEB funds will be used for project management, supplies/materials and contracted services including hiring technical specialists.

Project Ref	Grantee	Project Name	State
OWEB 204-506	OWEB	Brownsville Dam Fish Passage Alternatives	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$39,890	$0	Willamette

Project Description

Technical assistance is needed for identifying alternatives for providing fish passage at Brownsville Dam on the Calapooia River, a high priority for the watershed council. Providing for fish passage will open approximately 37 miles of upstream habitat for both winter steelhead and spring Chinook, listed as Threatened under the Endangered Species Act. OWEB funds will be used for project management, contracted services and supplies and materials.

Project Ref	Grantee	Project Name	State
OWEB 204-507	OWEB	Ames Cr Restoration: Phase 4 Design	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$16,800	$0	Willamette

Project Description

Technical assistance is needed to develop designs for three culverts and a natural barrier on Ames Creek in the South Santiam Watershed that are currently impeding fish passage for juvenile winter steelhead, spring Chinook, and cutthroat trout. OWEB funds will be used for contracted services to provide engineering design at all locations.

Project Ref	Grantee	Project Name	State
OWEB 204-508	OWEB	Lake Cr Restoration Design	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$28,650	$0	Deschutes

Project Description

Technical assistance is needed to develop a design to reshape a 600-foot stretch of the Metolius River, which was altered to create a pond and is therefore a fish passage barrier. The new design would restore fish passage and create a stream channel type consistent with the upper reaches of the stream, restoring habitat and stream stability through bioengineering. With the agreed to plan to reintroduce anadromous fish above the Pelton/Round Butte Hydroelectric Project, this stream will play a major part in providing spawning and rearing habitat.

Project Ref	Grantee	Project Name	State
OWEB 204-509	OWEB	Caledonia Wetlands Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$49,875	$0	Klamath

Project Description

Technical assistance is needed to do the engineering necessary to ensure that damage does not occur to the adjacent highway and adjacent property, when 750 acres of historic wetland are restored to wetland habitat. The land would be reconnected to Klamath Lake by breeching a dike. OWEB funds will be used to retain a biologist and a hydrologist with qualifications in wetland design to develop a restoration plan for the diked and drained wetlands to be returned to seasonal and perennial wetlands with berms. The Caledonia project will create habitat for terrestrial and aquatic species, thereby increasing the critical habitat area for the endangered Lost River and shortnose sucker.

Project Ref	Grantee	Project Name	State
OWEB 204-510	OWEB	Redband Ranch Hydrologic Design	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	04-OCT-04-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$12,180	$0	Klamath

Project Description

The property on the ranch, including Crystal Creek, Rock Creek and the wetland fringe of Klamath Lake has been altered by logging and livestock. The hydrology has been changed and there is interest in determining if fish passage could be re-established in Rock Creek for bull trout, redband trout, and the Lost River and shortnose suckers of Upper Klamath Lake. OWEB funds will be used to retain a hydrologist, fisheries biologist, and range conservationist to look at integrated ways to improve and manage the resource values of this area.

Project Ref	Grantee	Project Name	State
OWEB 204-511	OWEB	Crooked River WSC Restoration TA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$48,810	$0	Deschutes

Project Description

Technical assistance is needed to continue funding for up to a .5 FTE hydrologist position shared with the USFS Ochoco National Forest. There are eight projects with secured funding involving stream restoration, and ten projects that need further design so funding can be sought. All of these projects have landowner approval/involvement. Most of the projects are for stream restoration, bank stabilization, or headcut repairs.

Project Ref	Grantee	Project Name	State
OWEB 204-517	OWEB	Sumpter Municipal Diversion - Engineering Design	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	13-SEP-04-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$33,500	$0	Middle Snake-Powder

Project Description

The Powder Basin Watershed Council requires technical assistance is needed to contract a professional engineer to upgrade the Sumpter municipal diversion. A design is needed for a fish screen, fish passage return and mechanical water-control structure. OWEB funds will be used for a site survey, footprint for the fish screen, fish return ladder, retrofit of the current diversion structure, and design specification.

Project Ref	Grantee	Project Name	State
OWEB 204-518	OWEB	Umatilla/Morrow/Walla Walla Region TA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	10-SEP-04-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$49,875	$0	Middle Columbia

Project Description

The Umatilla Basin Watershed Council (UBWC), Confederated Tribes of the Umatilla Indian Reservation (CTUIR), Walla Walla Basin Watershed Council, (WWBWC), Morrow and Umatilla SWCDs have developed a coalition technical team focused on installed watershed health projects. OWEB funds will be used to design restoration projects including riparian planting in non-CREP eligible areas, two fish-passage improvement projects, instream habitat improvements, alternative diversion structures for three push-up dams, and engineering water quality protection.

Project Ref	Grantee	Project Name	State
OWEB 204-519	OWEB	Baker Co SWCDs Engineering	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	15-SEP-04-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$22,785	$0	Middle Snake-Powder

Project Description

The four SWCDs in Baker County are seeking technical assistance to supplement the planning and design phases of SWCD projects through contracted outside engineering. Proposed projects to be engineered include flood-to-sprinkler conversion, range management, off-stream watering, stream restoration, wetland establishment/restoration, and improved diversion structures with measuring devices. OWEB funds are requested principally for contracted engineering.

Project Ref	Grantee	Project Name	State
OWEB 204-521	OWEB	Natural Channel Design for Newbill Cr	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$22,410	$0	Deschutes

Project Description

Following the 1964 flood, Newbill Creek was straightened and bermed. This concentrated the stream energy in the channel causing the stream to downcut, lowering the water table, and changing the plant communities. Technical assistance is needed to design re-configuration of the channel for two miles of stream to its historic pattern and remove most of the berms so the stream can have access to the floodplain.

Project Ref	Grantee	Project Name	State
OWEB 204-522	OWEB	Opal Springs Fish Passage Engineering Design	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$50,000	$0	Deschutes

Project Description

Technical assistance is needed to provide funding for an engineer to design fish passage facilities at Opal Springs where there is a 30 foot hydroelectric power dam operated by the Deschutes Valley Water District. The dam is located about .5-mile upriver from Lake Billy Chinook, a reservoir created behind the Pelton/Round Butte hydroelectric facility. With the re-licensing of Pelton/Round Butte, an agreement has been reached to make improvements necessary to reintroduce anadromous fish above Lake Billy Chinook. This project would provide the design necessary to allow fish passage upstream and downstream into the Crooked River Watershed.

Project Ref	Grantee	Project Name	State
OWEB 204-927	OWEB	ODA CREP TA Support thru 06-30-05	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	25-JUN-04-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$30,000	$0	Willamette

Project Description

Fund CREP position

Project Ref	Grantee	Project Name	State
OWEB 204-929C	OWEB	ESA PCSRF 04 - Consultation position 10/04-6/05	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-OCT-04-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$70,000	$0	Willamette

Project Description

PCSRF FFY 04 ESA NOAA Fisheries/OWEB consultation position

Project Ref	Grantee	Project Name	State
OWEB 204-931	OWEB	Regional Priorities & Subbasin planning reserve	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$500,000	$0	Willamette

Project Description

Regional priorities and subbasin planning Board commitment/reserve

Project Ref	Grantee	Project Name	State
OWEB 205-901	OWEB	Orthoimagery contribution for statewide coverage	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$100,000	$0	Willamette

Project Description

Orthoimagery contribution for statewide coverage

Project Ref	Grantee	Project Name	State
OWEB 204-001	OWEB	Clatsop Coordinating Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$28,049	Northern Oregon Coastal

Project Description

2003-05 Council Support for Ecola Cr, Necanicum, Nicolai-Wickiup, Skipanon, Youngs Bay WSCs

Project Ref	Grantee	Project Name	State
OWEB 204-002	OWEB	Lower Columbia River WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$14,642	Northern Oregon Coastal

Project Description

2003-05 Council Support for Lower Columbia River WSC

Project Ref	Grantee	Project Name	State
OWEB 204-003	OWEB	MidCoast WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$32,927	Northern Oregon Coastal

Project Description

2003-05 Council Support for Mid Coast, Alsea, Salmon-Drift Cr WSCs

Project Ref	Grantee	Project Name	State
OWEB 204-004	OWEB	Upper Nehalem Lower Nehalem WSCs Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$27,421	Northern Oregon Coastal

Project Description

2003-05 Council Support for Upper Nehalem, Lower Nehalem WSCs

Project Ref	Grantee	Project Name	State
OWEB 204-005	OWEB	Nestucca-Neskowin WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$17,073	Northern Oregon Coastal

Project Description

2003-05 Council Support for Nestucca-Neskowin WSCs

Project Ref	Grantee	Project Name	State
OWEB 204-006	OWEB	Siuslaw WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$18,026	Northern Oregon Coastal

Project Description

2003-05 Council Support for Siuslaw WSC

Project Ref	Grantee	Project Name	State
OWEB 204-007	OWEB	Tillamook Bay WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$0	$12,396	Northern Oregon Coastal

Project Description

2003-05 Council Support for Tillamook Bay WSC

Project Ref	Grantee	Project Name	State
OWEB 204-008	OWEB	Applegate River WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$26,860	Southern Oregon Coastal

Project Description

2003-05 Council Support for Applegate River, Williams Cr WSCs

Project Ref	Grantee	Project Name	State
OWEB 204-009	OWEB	Bear Cr WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$17,073	Southern Oregon Coastal

Project Description

2003-05 Council Support for Bear Cr WSC

Project Ref	Grantee	Project Name	State
OWEB 204-010	OWEB	Coos WS Assoc Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$20,732	Southern Oregon Coastal

Project Description

2003-05 Council Support for Coos WS Association

Project Ref	Grantee	Project Name	State
OWEB 204-011	OWEB	Coquille WS Assoc Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$21,238	Southern Oregon Coastal

Project Description

2003-05 Council Support for Coquille WS Association

Project Ref	Grantee	Project Name	State
OWEB 204-012	OWEB	Illinois Valley WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$9,870	Southern Oregon Coastal

Project Description

2003-05 Council Support for Illinois Valley WSC

Project Ref	Grantee	Project Name	State
OWEB 204-013	OWEB	Little Butte Cr WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$17,073	Southern Oregon Coastal

Project Description

2003-05 Council Support for Little Butte Cr WSC Inc

Project Ref	Grantee	Project Name	State
OWEB 204-014	OWEB	Lower Rogue WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$17,073	Southern Oregon Coastal

Project Description

2003-05 Council Support for Lower Rogue WSC

Project Ref	Grantee	Project Name	State
OWEB 204-015	OWEB	Middle Rogue WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$17,073	Southern Oregon Coastal

Project Description

2003-05 Council Support for Middle Rogue WSC

Project Ref	Grantee	Project Name	State
OWEB 204-016	OWEB	South Coast WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$26,843	Southern Oregon Coastal

Project Description

2003-05 Council Support for South Coast, Floras Cr, Elk/Sixes, Port Orford, Euchre Cr, Hunter/Pistol, Chetco, Winchuck

Project Ref	Grantee	Project Name	State
OWEB 204-017	OWEB	Tenmile Lakes' Basin Partnership Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$17,073	Southern Oregon Coastal

Project Description

2003-05 Council Support for Tenmile Lakes' Basin Partnership

Project Ref	Grantee	Project Name	State
OWEB 204-018	OWEB	Umpqua Basin WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$23,490	Southern Oregon Coastal

Project Description

2003-05 Council Support for Umpqua Basin WSC

Project Ref	Grantee	Project Name	State
OWEB 204-019	OWEB	Upper Rogue WS Assoc Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$16,323	Southern Oregon Coastal

Project Description

2003-05 Council Support for Upper Rogue WS Association

Project Ref	Grantee	Project Name	State
OWEB 204-020	OWEB	Seven Basins WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$9,146	Southern Oregon Coastal

Project Description

2003-05 Council Support for Seven Basins WSC

Project Ref	Grantee	Project Name	State
OWEB 204-021	OWEB	Smith River & Elk Cr WSCs Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$0	$8,721	Southern Oregon Coastal

Project Description

2003-05 Council Support for Smith River, Elk Cr WSCs

Project Ref	Grantee	Project Name	State
OWEB 204-022	OWEB	Calapooia WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$18,293	Willamette

Project Description

2003-05 Council Support for Calapooia WSC

Project Ref	Grantee	Project Name	State
OWEB 204-026	OWEB	Johnson Cr WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$20,091	Lower Columbia

Project Description

2003-05 Council Support for Johnson Cr WSC

Project Ref	Grantee	Project Name	State
OWEB 204-027	OWEB	Long Tom WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$22,382	Willamette

Project Description

2003-05 Council Support for Long Tom WSC

Project Ref	Grantee	Project Name	State
OWEB 204-028	OWEB	Marys River WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$17,073	Willamette

Project Description

2003-05 Council Support for Marys River WSC

Project Ref	Grantee	Project Name	State
OWEB 204-029	OWEB	Middle Fork Willamette WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$17,571	Willamette

Project Description

2003-05 Council Support for Middle Fork WSC

Project Ref	Grantee	Project Name	State
OWEB 204-030	OWEB	North Santiam WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$11,107	Willamette

Project Description

2003-05 Council Support for North Santiam WSC

Project Ref	Grantee	Project Name	State
OWEB 204-031	OWEB	Pudding River WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$10,396	Willamette

Project Description

2003-05 Council Support for Pudding River WSC

Project Ref	Grantee	Project Name	State
OWEB 204-032	OWEB	Rickreall/Luckiamute WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$20,732	Willamette

Project Description

2003-05 Council Support for Rickreall WSC

Project Ref	Grantee	Project Name	State
OWEB 204-033	OWEB	Salem Keizer Area WSCs Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$14,634	Willamette

Project Description

2003-05 Council Support for Pringle Cr, Claggett Cr, Glenn-Gibson Cr, Friends of Mill Cr (not a recognized WSC)

Project Ref	Grantee	Project Name	State
OWEB 204-034	OWEB	Sandy River Basin WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$18,293	Lower Columbia

Project Description

2003-05 Council Support for Sandy River Basin WSC

Project Ref	Grantee	Project Name	State
OWEB 204-035	OWEB	Scappoose Bay WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$17,073	Lower Columbia

Project Description

2003-05 Council Support for Scappoose Bay

Project Ref	Grantee	Project Name	State
OWEB 204-036	OWEB	South Santiam WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$19,684	Willamette

Project Description

2003-05 Council Support for South Santiam WSC

Project Ref	Grantee	Project Name	State
OWEB 204-037	OWEB	Tualatin River WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$17,073	Lower Columbia

Project Description

2003-05 Council Support for Tualation River WSC

Project Ref	Grantee	Project Name	State
OWEB 204-039	OWEB	Yamhill Basin Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$17,073	Willamette

Project Description

2003-05 Council Support for Yamhill Basin Council

Project Ref	Grantee	Project Name	State
OWEB 204-040	OWEB	Klamath WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$19,527	Klamath

Project Description

2003-05 Council Support for Klamath WSC

Project Ref	Grantee	Project Name	State
OWEB 204-041	OWEB	Crooked River WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$20,732	Deschutes

Project Description

2003-05 Council Support for Crooked River WSC

Project Ref	Grantee	Project Name	State
OWEB 204-042	OWEB	Gilliam-East John Day WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$17,073	John Day

Project Description

2003-05 Council Support for Gilliam-East John Day, Lonerock/30 Mile, Hay/Scott Canyon, Mid Rock Cr, Ferry Canyon Working Group

Project Ref	Grantee	Project Name	State
OWEB 204-043	OWEB	Hood River SWCD Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$17,073	Middle Columbia

Project Description

2003-05 Council Support for Hood River WS Group

Project Ref	Grantee	Project Name	State
OWEB 204-044	OWEB	Jefferson SWCD Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$9,146	Deschutes

Project Description

2003-05 Council Support for Trout Cr, Willow Cr WSC

Project Ref	Grantee	Project Name	State
OWEB 204-045	OWEB	Ore-Cal RC&D Area Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$9,146	Upper Sacramento

Project Description

2003-05 Council Support for Upper Chewaucan, Silver Lake, Sycan, Chewaucan, Deep Cr, Goose Lake WSCs

Project Ref	Grantee	Project Name	State
OWEB 204-046	OWEB	Sherman County WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$9,146	Deschutes

Project Description

2003-05 Council Support for North Sherman, Fulton, Gordon Canyons, Macks Canyon, Grass Valley Canyon, Pine Hollow/Jackknife WSCs

Project Ref	Grantee	Project Name	State
OWEB 204-047	OWEB	Upper Deschutes WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$25,241	Deschutes

Project Description

2003-05 Council Support for Upper Deschutes WSC

Project Ref	Grantee	Project Name	State
OWEB 204-048	OWEB	Wasco Co Area WSCs Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$17,073	Deschutes

Project Description

2003-05 Council Support for Bakeover, Fifteenmile, Mosier, The Dalles, White River

Project Ref	Grantee	Project Name	State
OWEB 204-049	OWEB	Grande Ronde Model WS Program Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$30,373	Lower Snake

Project Description

2003-05 Council Support for Grande Ronde Model WS Program

Project Ref	Grantee	Project Name	State
OWEB 204-050	OWEB	Harney Co WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$17,073	Oregon Closed Basins

Project Description

2003-05 Council Support for Harney Co WSC

Project Ref	Grantee	Project Name	State
OWEB 204-051	OWEB	Malheur WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$17,073	Oregon Closed Basins

Project Description

2003-05 Council Support for Malheur WSC

Project Ref	Grantee	Project Name	State
OWEB 204-052	OWEB	North Fork John Day WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$17,261	John Day

Project Description

2003-05 Council Support for North Fork John Day WSC

Project Ref	Grantee	Project Name	State
OWEB 204-053	OWEB	Umatilla Basin WS Foundation Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$14,634	Middle Columbia

Project Description

2003-05 Council Support for Umatilla Basin WSC

Project Ref	Grantee	Project Name	State
OWEB 204-054	OWEB	Walla Walla Basin WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$21,648	Middle Columbia

Project Description

2003-05 Council Support for Walla Walla Basin WSC

Project Ref	Grantee	Project Name	State
OWEB 204-055	OWEB	Wheeler SWCD Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$9,756	John Day

Project Description

2003-05 Council Support for Bridge Cr, Mid John Day, Wheeler Point

Project Ref	Grantee	Project Name	State
OWEB 204-056	OWEB	Owyhee WSC Support	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$17,073	Middle Snake-Boise

Project Description

2003-05 Council Support for Owyhee WSC

Project Ref	Grantee	Project Name	State
OWEB 204-057	OWEB	Powder Basin WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$17,507	Middle Snake-Powder

Project Description

2003-05 Council Support for Powder Basin WSC

Project Ref	Grantee	Project Name	State
OWEB 204-208	OWEB	U Willamette Basin Landowner Conservation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$0	$44,041	Willamette

Project Description

East Lane SWCD seeks funding to provide required technical assistance to watershed that will meet compliance standards for Agricultural Water Quality Management Areas Plans. All of the practices implemented through this project will meet or exceed the Oregon Aquatic Habitat Restoration and Enhancement Guide. Implementation successes will be highlighted through education and outreach programs of the East Lane SWCD. OWEB funds will be used to fund a half-time technical assistance position to be housed at East Lane SWCD. This is a new submission.

Project Ref	Grantee	Project Name	State
OWEB 204-906	OWEB	Oregon Water Resources Dept ESA Agreement	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$108,000	$0	Oregon

Project Description

OWEB and the Oregon Governor's Office to sponsor an ESA position at WRD July 2003 to June 2005

Project Ref	Grantee	Project Name	State
OWEB 204-907	OWEB	OWEB/NOAA Fisheries ESA Position	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-04	Watershed and Sub-basin Planning and Assessment	$100,000	$0	Oregon

Project Description

OWEB/NOAA Fisheries ESA Position

Project Ref	Grantee	Project Name	State
OWEB 204-907A	OWEB	PCSRF ESA - uncommitted	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$261,519	$0	Oregon

Project Description

PCSRF ESA uncommitted funds reserved

Project Ref	Grantee	Project Name	State
OWEB 204-911	OWEB	ODFW Fish Habitat Biologists 2003-05	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-NOV-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$1,285,401	Oregon

Project Description

ODFW 2003-05 Habitat Biologists funding

Project Ref	Grantee	Project Name	State
OWEB 203-172	OWEB	U Klamath Basin WS Assess & Rest Plan	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	21-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$396,000	$0	Klamath

Project Description

The Klamath Basin Ecosystem Foundation, in partnership with the Upper Klamath Basin Working Group, will develop a watershed assessment and restoration plan for 36 5th field watersheds in the Upper Klamath Basin. The plan will identify, prioritize and build support for a suite of on-the-ground projects to improve ecosystem conditions and economic stability associated with resource management objectives.

Project Ref	Grantee	Project Name	State
OWEB 203-172Z	OWEB	Unallocated Klamath County Earmark	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$574,000	$0	Klamath

Project Description

Unallocated Klamath County Earmark

Project Ref	Grantee	Project Name	State
OWEB 203-231	OWEB	MidCoast Priority 6th Field Scale Restoration Phase I	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	17-JUN-03-30-APR-04	Watershed and Sub-basin Planning and Assessment	$33,180	$0	Northern Oregon Coastal

Project Description
MidCoast Priority 6th Field Scale Restoration Phase I

Project Ref	Grantee	Project Name	State
OWEB 203-237	OWEB	Curry Restoration Package	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	24-JUN-03-30-JUN-04	Watershed and Sub-basin Planning and Assessment	$39,120	$0	Southern Oregon Coastal

Project Description
Curry Restoration Package

Project Ref	Grantee	Project Name	State
OWEB 203-238	OWEB	East Fork Williams Cr Salmon Restoration Tech Design	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	18-MAR-03-28-FEB-04	Watershed and Sub-basin Planning and Assessment	$27,972	$0	Southern Oregon Coastal

Project Description
East Fork Williams Cr Salmon Restoration Tech Design

Project Ref	Grantee	Project Name	State
OWEB 203-239	OWEB	Baker Cr Fish Passage Design	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	05-MAR-03-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$50,514	$0	Willamette

Project Description
Baker Cr Fish Passage Design

Project Ref	Grantee	Project Name	State
OWEB 203-241	OWEB	Upper Molalla/Upper Milk Cr Tributaries Gap TA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	13-MAR-03-01-FEB-04	Watershed and Sub-basin Planning and Assessment	$52,360	$0	Willamette

Project Description

Upper Molalla/Upper Milk Cr Tributaries Gap Technical Assistance

Project Ref	Grantee	Project Name	State
OWEB 203-243	OWEB	Scappoose Bay WS Fish Barrier Passage	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	09-MAR-03-01-DEC-03	Watershed and Sub-basin Planning and Assessment	$32,436	$0	Northern Oregon Coastal

Project Description

Scappoose Bay WS Fish Barrier Passage

Project Ref	Grantee	Project Name	State
OWEB 203-246	OWEB	McFee Cr WS Project Implementation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	11-MAR-03-28-FEB-04	Watershed and Sub-basin Planning and Assessment	$38,564	$0	Lower Columbia

Project Description

McFee Cr WS Project Implementation

Project Ref	Grantee	Project Name	State
OWEB 203-249	OWEB	Marys River WSC Restoration Proposal Development	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	05-MAR-03-30-DEC-03	Watershed and Sub-basin Planning and Assessment	$27,683	$0	Willamette

Project Description

Marys River WSC Restoration Proposal Development

Project Ref	Grantee	Project Name	State
OWEB 203-250	OWEB	Upper Willamette Basin Culvert Replacement Designs	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	24-MAR-03-06-OCT-03	Watershed and Sub-basin Planning and Assessment	$16,500	$0	Willamette

Project Description

Upper Willamette Basin Culvert Replacement Designs

Project Ref	Grantee	Project Name	State
OWEB 203-254	OWEB	Technical Assistance for Deschutes & Jefferson SWCDs	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	13-MAY-03-30-DEC-04	Watershed and Sub-basin Planning and Assessment	$60,000	$0	Deschutes

Project Description

Technical Assistance for Deschutes & Jefferson SWCDs

Project Ref	Grantee	Project Name	State
OWEB 203-256	OWEB	Log Deck Park Riparian & Wetland Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	10-MAR-03-29-DEC-03	Watershed and Sub-basin Planning and Assessment	$38,300	$0	Deschutes

Project Description

Log Deck Park Riparian & Wetland Restoration

Project Ref	Grantee	Project Name	State
OWEB 203-257	OWEB	A Cooperative Vision for WS Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-MAY-03-31-MAY-04	Watershed and Sub-basin Planning and Assessment	$29,500	$0	Oregon Closed Basins

Project Description

A Cooperative Vision for WS Restoration

Project Ref	Grantee	Project Name	State
OWEB 203-259	OWEB	Hudson Bay Aquifer Recharge Engineering	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	07-MAR-03-31-MAY-04	Watershed and Sub-basin Planning and Assessment	$18,900	$0	Middle Columbia

Project Description

Hudson Bay Aquifer Recharge Engineering

Project Ref	Grantee	Project Name	State
OWEB 203-261	OWEB	Monument/Middle John Day Technical Assistance	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	10-APR-03-31-MAY-04	Watershed and Sub-basin Planning and Assessment	$57,057	$0	John Day

Project Description

Monument/Middle John Day Technical Assistance

Project Ref	Grantee	Project Name	State
OWEB 203-262	OWEB	Grant SWCD Technical Assistance	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	17-MAR-03-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$104,016	$0	John Day

Project Description

Grant SWCD Technical Assistance

Project Ref	Grantee	Project Name	State
OWEB 203-265	OWEB	Crooked River WS Riparian & Range Improvement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	07-APR-03-30-JUN-04	Watershed and Sub-basin Planning and Assessment	$14,634	$0	Deschutes

Project Description

Crooked River WS Riparian & Range Improvement

Project Ref	Grantee	Project Name	State
OWEB 203-905	OWEB	CREP Technical Assistance	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	19-NOV-02-30-DEC-03	Watershed and Sub-basin Planning and Assessment	$40,319	$0	Southern Oregon Coastal

Project Description
CREP Technical Assistance

Project Ref	Grantee	Project Name	State
OWEB 203-906	OWEB	CREP Technical Assistance	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	02-DEC-02-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$45,000	$0	Lower Snake

Project Description
CREP Technical Assistance

Project Ref	Grantee	Project Name	State
OWEB 203-907	OWEB	CREP Technical Assistance	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-DEC-02-28-FEB-04	Watershed and Sub-basin Planning and Assessment	$45,000	$0	Southern Oregon Coastal

Project Description
CREP Technical Assistance

Project Ref	Grantee	Project Name	State
OWEB 203-908	OWEB	CREP Technical Assistance	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	19-DEC-02-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$47,000	$0	Oregon

Project Description
CREP Technical Assistance

Project Ref	Grantee	Project Name	State
OWEB 203-909	OWEB	CREP Technical Assistance	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	07-JAN-03-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$47,000	$0	Oregon

Project Description

CREP Technical Assistance

Project Ref	Grantee	Project Name	State
OWEB 203-910	OWEB	Technical Assistance FSOS	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	21-JAN-03-15-AUG-04	Watershed and Sub-basin Planning and Assessment	$65,000	$0	Oregon

Project Description

Provide statewide grants for technical assistance

Project Ref	Grantee	Project Name	State
OWEB 203-915	OWEB	ODFW Fish Stock Status	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	04-SEP-03-15-APR-04	Watershed and Sub-basin Planning and Assessment	$75,000	$0	Oregon

Project Description

ODFW 2003 Fish Stock Status

Project Ref	Grantee	Project Name	State
OWEB 204-001A	OWEB	Clatsop Coordinating Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$86,951	$0	Northern Oregon Coastal

Project Description

2003-05 Council Support for Ecola Cr, Necanicum, Nicolai-Wickiup, Skipanon, Youngs Bay WSCs

Project Ref	Grantee	Project Name	State
OWEB 204-002A	OWEB	Lower Columbia River WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$45,390	$0	Northern Oregon Coastal

Project Description

2003-05 Council Support for Lower Columbia River WSC

Project Ref	Grantee	Project Name	State
OWEB 204-003A	OWEB	MidCoast WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$102,073	$0	Northern Oregon Coastal

Project Description

2003-05 Council Support for Mid Coast, Alsea, Salmon-Drift Cr WSCs

Project Ref	Grantee	Project Name	State
OWEB 204-004A	OWEB	Upper Nehalem Lower Nehalem WSCs Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$85,005	$0	Northern Oregon Coastal

Project Description

2003-05 Council Support for Upper Nehalem, Lower Nehalem WSCs

Project Ref	Grantee	Project Name	State
OWEB 204-005A	OWEB	Nestucca-Neskowin WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$52,927	$0	Northern Oregon Coastal

Project Description

2003-05 Council Support for Nestucca-Neskowin WSCs

Project Ref	Grantee	Project Name	State
OWEB 204-006A	OWEB	Siuslaw WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$55,880	$0	Northern Oregon Coastal

Project Description

2003-05 Council Support for Siuslaw WSC

Project Ref	Grantee	Project Name	State
OWEB 204-007A	OWEB	Tillamook Bay WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$38,427	$0	Northern Oregon Coastal

Project Description

2003-05 Council Support for Tillamook Bay WSC

Project Ref	Grantee	Project Name	State
OWEB 204-008A	OWEB	Applegate River WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$83,264	$0	Southern Oregon Coastal

Project Description

2003-05 Council Support for Applegate River, Williams Cr WSCs

Project Ref	Grantee	Project Name	State
OWEB 204-009A	OWEB	Bear Cr WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$52,927	$0	Southern Oregon Coastal

Project Description

2003-05 Council Support for Bear Cr WSC

Project Ref	Grantee	Project Name	State
OWEB 204-010A	OWEB	Coos WS Assoc Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$64,268	$0	Southern Oregon Coastal

Project Description

2003-05 Council Support for Coos WS Association

Project Ref	Grantee	Project Name	State
OWEB 204-011A	OWEB	Coquille WS Assoc Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$65,837	$0	Southern Oregon Coastal

Project Description

2003-05 Council Support for Coquille WS Association

Project Ref	Grantee	Project Name	State
OWEB 204-012A	OWEB	Illinois Valley WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$30,596	$0	Southern Oregon Coastal

Project Description

2003-05 Council Support for Illinois Valley WSC

Project Ref	Grantee	Project Name	State
OWEB 204-013A	OWEB	Little Butte Cr WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$52,927	$0	Southern Oregon Coastal

Project Description

2003-05 Council Support for Little Butte Cr WSC Inc

Project Ref	Grantee	Project Name	State
OWEB 204-014A	OWEB	Lower Rogue WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$52,927	$0	Southern Oregon Coastal

Project Description

2003-05 Council Support for Lower Rogue WSC

Project Ref	Grantee	Project Name	State
OWEB 204-015A	OWEB	Middle Rogue WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$52,927	$0	Southern Oregon Coastal

Project Description

2003-05 Council Support for Middle Rogue WSC

Project Ref	Grantee	Project Name	State
OWEB 204-016A	OWEB	South Coast WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$83,215	$0	Southern Oregon Coastal

Project Description

2003-05 Council Support for South Coast, Floras Cr, Elk/Sixes, Port Orford, Euchre Cr, Hunter/Pistol, Chetco, Winchuck

Project Ref	Grantee	Project Name	State
OWEB 204-017A	OWEB	Tenmile Lakes' Basin Partnership Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$52,927	$0	Southern Oregon Coastal

Project Description

2003-05 Council Support for Tenmile Lakes' Basin Partnership

Project Ref	Grantee	Project Name	State
OWEB 204-018A	OWEB	Umpqua Basin WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$72,818	$0	Southern Oregon Coastal

Project Description

2003-05 Council Support for Umpqua Basin WSC

Project Ref	Grantee	Project Name	State
OWEB 204-019A	OWEB	Upper Rogue WS Assoc Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$50,601	$0	Southern Oregon Coastal

Project Description

2003-05 Council Support for Upper Rogue WS Association

Project Ref	Grantee	Project Name	State
OWEB 204-020A	OWEB	Seven Basins WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$28,354	$0	Southern Oregon Coastal

Project Description

2003-05 Council Support for Seven Basins WSC

Project Ref	Grantee	Project Name	State
OWEB 204-021A	OWEB	Smith River & Elk Cr WSCs Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$27,034	$0	Southern Oregon Coastal

Project Description

2003-05 Council Support for Smith River, Elk Cr WSCs

Project Ref	Grantee	Project Name	State
OWEB 204-022A	OWEB	Calapooia WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$56,707	$0	Willamette

Project Description

2003-05 Council Support for Calapooia WSC

Project Ref	Grantee	Project Name	State
OWEB 204-023	OWEB	Clackamas River WS Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$20,697	Willamette

Project Description

2003-05 Council Support for Clackamas River Basin Council

Project Ref	Grantee	Project Name	State
OWEB 204-023A	OWEB	Clackamas River WS Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$64,159	$0	Willamette

Project Description

2003-05 Council Support for Clackamas River Basin Council

Project Ref	Grantee	Project Name	State
OWEB 204-024	OWEB	Coast Fork Willamette WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$9,756	Willamette

Project Description

2003-05 Council Support for Coast Fork Willamette WSC

Project Ref	Grantee	Project Name	State
OWEB 204-024A	OWEB	Coast Fork Willamette WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$30,244	$0	Willamette

Project Description
2003-05 Council Support for Coast Fork Willamette WSC

Project Ref	Grantee	Project Name	State
OWEB 204-025	OWEB	Columbia Slough WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$0	$19,954	Lower Columbia

Project Description
2003-05 Council Support for Columbia Slough WSC

Project Ref	Grantee	Project Name	State
OWEB 204-025A	OWEB	Columbia Slough WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$61,859	$0	Lower Columbia

Project Description
2003-05 Council Support for Columbia Slough WSC

Project Ref	Grantee	Project Name	State
OWEB 204-026A	OWEB	Johnson Cr WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$62,282	$0	Lower Columbia

Project Description
2003-05 Council Support for Johnson Cr WSC

Project Ref	Grantee	Project Name	State
OWEB 204-027A	OWEB	Long Tom WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$69,384	$0	Willamette

Project Description

2003-05 Council Support for Long Tom WSC

Project Ref	Grantee	Project Name	State
OWEB 204-028A	OWEB	Marys River WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$52,927	$0	Willamette

Project Description

2003-05 Council Support for Marys River WSC

Project Ref	Grantee	Project Name	State
OWEB 204-029A	OWEB	Middle Fork Willamette WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$54,469	$0	Willamette

Project Description

2003-05 Council Support for Middle Fork WSC

Project Ref	Grantee	Project Name	State
OWEB 204-029B	OWEB	Middle Fork Willamette WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$154	$0	Willamette

Project Description

2003-05 Council Support for Middle Fork WSC

Project Ref	Grantee	Project Name	State
OWEB 204-030A	OWEB	North Santiam WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$34,433	$0	Willamette

Project Description

2003-05 Council Support for North Santiam WSC

Project Ref	Grantee	Project Name	State
OWEB 204-031A	OWEB	Pudding River WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$32,229	$0	Willamette

Project Description

2003-05 Council Support for Pudding River WSC

Project Ref	Grantee	Project Name	State
OWEB 204-032A	OWEB	Rickreall/Luckiamute WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$64,268	$0	Willamette

Project Description

2003-05 Council Support for Rickreall WSC

Project Ref	Grantee	Project Name	State
OWEB 204-033A	OWEB	Salem Keizer Area WSCs Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$45,366	$0	Willamette

Project Description

2003-05 Council Support for Pringle Cr, Claggett Cr, Glenn-Gibson Cr, Friends of Mill Cr (not a recognized WSC)

Project Ref	Grantee	Project Name	State
OWEB 204-034A	OWEB	Sandy River Basin WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$56,707	$0	Lower Columbia

Project Description

2003-05 Council Support for Sandy River Basin WSC

Project Ref	Grantee	Project Name	State
OWEB 204-035A	OWEB	Scappoose Bay WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$52,927	$0	Lower Columbia

Project Description

2003-05 Council Support for Scappoose Bay

Project Ref	Grantee	Project Name	State
OWEB 204-036A	OWEB	South Santiam WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$61,021	$0	Willamette

Project Description

2003-05 Council Support for South Santiam WSC

Project Ref	Grantee	Project Name	State
OWEB 204-037A	OWEB	Tualatin River WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$52,927	$0	Lower Columbia

Project Description

2003-05 Council Support for Tualation River WSC

Project Ref	Grantee	Project Name	State
OWEB 204-039A	OWEB	Yamhill Basin Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$52,927	$0	Willamette

Project Description

2003-05 Council Support for Yamhill Basin Council

Project Ref	Grantee	Project Name	State
OWEB 204-040A	OWEB	Klamath WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$60,532	$0	Klamath

Project Description

2003-05 Council Support for Klamath WSC

Project Ref	Grantee	Project Name	State
OWEB 204-041A	OWEB	Crooked River WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$64,268	$0	Deschutes

Project Description

2003-05 Council Support for Crooked River WSC

Project Ref	Grantee	Project Name	State
OWEB 204-042A	OWEB	Gilliam-East John Day WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$52,927	$0	John Day

Project Description

2003-05 Council Support for Gilliam-East John Day, Lonerock/30 Mile, Hay/Scott Canyon, Mid Rock Cr, Ferry Canyon Working Group

Project Ref	Grantee	Project Name	State
OWEB 204-043A	OWEB	Hood River SWCD Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$67,927	$0	Middle Columbia

Project Description

2003-05 Council Support for Hood River WS Group

Project Ref	Grantee	Project Name	State
OWEB 204-044A	OWEB	Jefferson SWCD Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$28,354	$0	Deschutes

Project Description

2003-05 Council Support for Trout Cr, Willow Cr WSC

Project Ref	Grantee	Project Name	State
OWEB 204-045A	OWEB	Ore-Cal RC&D Area Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$28,354	$0	Upper Sacramento

Project Description

2003-05 Council Support for Upper Chewaucan, Silver Lake, Sycan, Chewaucan, Deep Cr, Goose Lake WSCs

Project Ref	Grantee	Project Name	State
OWEB 204-046A	OWEB	Sherman County WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$28,354	$0	Deschutes

Project Description

2003-05 Council Support for North Sherman, Fulton, Gordon Canyons, Macks Canyon, Grass Valley Canyon, Pine Hollow/Jackknife WSCs

Project Ref	Grantee	Project Name	State
OWEB 204-047A	OWEB	Upper Deschutes WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$78,247	$0	Deschutes

Project Description

2003-05 Council Support for Upper Deschutes WSC

Project Ref	Grantee	Project Name	State
OWEB 204-048A	OWEB	Wasco Co Area WSCs Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$52,927	$0	Deschutes

Project Description

2003-05 Council Support for Bakeover, Fifteenmile, Mosier, The Dalles, White River

Project Ref	Grantee	Project Name	State
OWEB 204-049A	OWEB	Grande Ronde Model WS Program Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$94,156	$0	Lower Snake

Project Description

2003-05 Council Support for Grande Ronde Model WS Program

Project Ref	Grantee	Project Name	State
OWEB 204-050A	OWEB	Harney Co WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$52,927	$0	Oregon Closed Basins

Project Description

2003-05 Council Support for Harney Co WSC

Project Ref	Grantee	Project Name	State
OWEB 204-051A	OWEB	Malheur WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$52,927	$0	Oregon Closed Basins

Project Description

2003-05 Council Support for Malheur WSC

Project Ref	Grantee	Project Name	State
OWEB 204-052A	OWEB	North Fork John Day WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$53,511	$0	John Day

Project Description

2003-05 Council Support for North Fork John Day WSC

Project Ref	Grantee	Project Name	State
OWEB 204-053A	OWEB	Umatilla Basin WS Foundation Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$45,366	$0	Middle Columbia

Project Description

2003-05 Council Support for Umatilla Basin WSC

Project Ref	Grantee	Project Name	State
OWEB 204-054A	OWEB	Walla Walla Basin WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$67,109	$0	Middle Columbia

Project Description

2003-05 Council Support for Walla Walla Basin WSC

Project Ref	Grantee	Project Name	State
OWEB 204-055A	OWEB	Wheeler SWCD Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$30,244	$0	John Day

Project Description

2003-05 Council Support for Bridge Cr, Mid John Day, Wheeler Point

Project Ref	Grantee	Project Name	State
OWEB 204-056A	OWEB	Owyhee WSC Support	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$41,298	$0	Middle Snake-Boise

Project Description

2003-05 Council Support for Owyhee WSC

Project Ref	Grantee	Project Name	State
OWEB 204-057A	OWEB	Powder Basin WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$54,273	$0	Middle Snake-Powder

Project Description

2003-05 Council Support for Powder Basin WSC

Project Ref	Grantee	Project Name	State
OWEB 204-928	OWEB	Watershed Council audit and bonding reserve	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$150,000	$0	Willamette

Project Description

Watershed council audit and bonding reserve

Project Ref	Grantee	Project Name	State
OWEB 201-004	OWEB	Nehalem Watershed Health - Upper & Lower Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-OCT-03	Watershed and Sub-basin Planning and Assessment	$0	$61,250	Northern Oregon Coastal

Project Description

The Nehalem Watershed Councils are requesting $158,510 in OWEB funding for watershed council/coordinator support for the 2001-03 biennium. The Upper & Lower Nehalem Watershed Councils are actively involved in promoting watershed health and salmonid recovery though out the Nehalem basin. Support is required to facilitate both councils activities which focus on building cooperation, action plan implementation and effectiveness monitoring.

Project Ref	Grantee	Project Name	State
OWEB 201-004B	OWEB	Nehalem Watershed Health - Upper & Lower Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-OCT-03	Watershed and Sub-basin Planning and Assessment	$57,550	$0	Northern Oregon Coastal

Project Description

Same as 201-004. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-005	OWEB	Siuslaw Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-24-SEP-03	Watershed and Sub-basin Planning and Assessment	$103,138	$0	Northern Oregon Coastal

Project Description

The project will provide a portion of salary and funds to support watershed council operations and to extend the position of the Siuslaw Watershed Coordinator for two additional years, July 2001- June 2003

Project Ref	Grantee	Project Name	State
OWEB 201-006	OWEB	Tillamook County Watershed Councils Coordinating Services	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-20-OCT-03	Watershed and Sub-basin Planning and Assessment	$91,540	$0	Northern Oregon Coastal

Project Description

The coordinator work with the councils to create assessments and action plans, to monitor water quality, to eliminate barriers to fish passage, to increase public awareness though education and outreach, and to enhance the integrity of riparian zones and associated uplands watershed systems though out Tillamook County. The coordinator will also act as a liaison between council members, landowners, agencies, schools, and public.

Project Ref	Grantee	Project Name	State
OWEB 201-007	OWEB	Necanicum Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-20-NOV-03	Watershed and Sub-basin Planning and Assessment	$0	$19,800	Northern Oregon Coastal

Project Description

The Necanicum River is an important watershed that supports 5 species of anadromous Salmonid. The coordinator will manage the organization and administration of the council to include: planning and organizing council meetings and events; project coordination, management, and evaluation; grant writing and researching other sources to provide funding for watershed enhancement and restoration projects; coordinating the watershed assessment, project monitoring and community education projects, and providing for continued watershed council operation. The coordinator will also work with landowners, volunteers, and local, state and federal agency representatives.

Project Ref	Grantee	Project Name	State
OWEB 201-007A	OWEB	Necanicum Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-20-NOV-03	Watershed and Sub-basin Planning and Assessment	$15,566	$0	Northern Oregon Coastal

Project Description

Same as 201-007. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-008	OWEB	Nestucca-Neskowin Watershed Council Technical Assistant	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-07-AUG-03	Watershed and Sub-basin Planning and Assessment	$0	$36,410	Northern Oregon Coastal

Project Description

The Nestucca-Neskowin Watershed Council proposes to continue funding for the Technical Assistant to work with the council to 1)implement the Management and Action plan based on the Watershed Assessment completed in May 1998; 2) continue implementation of water quality monitoring; 3) continue work with the technical team and landowners to assess, plan and implement riparian habitat restoration projects; 4) and assist the council with public outreach and education efforts to involve more students and landowners in Council activities.

Project Ref	Grantee	Project Name	State
OWEB 201-008A	OWEB	Nestucca-Neskowin Watershed Council Technical Assistant	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-07-AUG-03	Watershed and Sub-basin Planning and Assessment	$16,501	$0	Northern Oregon Coastal

Project Description

Same as 201-008. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-009	OWEB	Lower Columbia River Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-20-NOV-03	Watershed and Sub-basin Planning and Assessment	$0	$14,405	Northern Oregon Coastal

Project Description

This proposal requests funding for the position of a part-time Watershed Council Coordinator and for Council operating expenses for a two year period from July 1, 2001 to June 30, 2003 for the Lower Columbia River Watershed Council (LCRWC) The LCRWC is a 215,000 acre watershed including area in Columbia and Clatsop Counties. A coordinator and Council support are essential to continuing the ongoing council restoration projects and outreach.

Project Ref	Grantee	Project Name	State
OWEB 201-009A	OWEB	Lower Columbia River Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-20-NOV-03	Watershed and Sub-basin Planning and Assessment	$39,935	$0	Northern Oregon Coastal

Project Description

Same as 201-009. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-018	OWEB	Coquille Watershed Council Support 200-2002	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-06-OCT-03	Watershed and Sub-basin Planning and Assessment	$0	$56,501	Southern Oregon Coastal

Project Description

This proposal will provide two years of funding for a watershed coordinator for the Coquille Watershed Association (CWA), as well as provide funding to support general council activities and office management.

Project Ref	Grantee	Project Name	State
OWEB 201-019	OWEB	Applegate River Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-24-SEP-03	Watershed and Sub-basin Planning and Assessment	$0	$60,750	Southern Oregon Coastal

Project Description

The Applegate River Watershed Council (ARWC) promotes a voluntary approach to ecological restoration, conservation, and stewardship of the Applegate River Watershed. Through our watershed-based assessments, we identify restoration needs and conservation opportunities. Working with landowners and natural resource agency representatives, we develop specific projects, seek funding when necessary, and provide projects design and implementation assistance. Our education and outreach work ensures that we not only raise awareness within the Applegate community concerning watershed health, but also provide community members the opportunities and tools to improve it. We anticipate that our annual budget will be over $1,00,000 for the next two years. The amount of reporting and accounting has exceeded the capacity of our prior part-time office assistant. This grant proposes to fund a full-time council coordinator and partially fund a full time office manager.

Project Ref	Grantee	Project Name	State
OWEB 201-019A	OWEB	Applegate River Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-24-SEP-03	Watershed and Sub-basin Planning and Assessment	$20,250	$0	Southern Oregon Coastal

Project Description

Same as 201-019. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-020	OWEB	Middle Rogue WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-05-SEP-03	Watershed and Sub-basin Planning and Assessment	$0	$37,002	Southern Oregon Coastal

Project Description

This proposed grant will fund "council support" for the relatively "young" Middle Rogue Watershed Council, providing monies to support a full-time coordinator, as well as enabling the council to conduct normal organizational business. The coordinator will oversee the development, delivery, and monitoring of council projects originating from the watershed assessment and action plan (currently in draft from), as well as assist the council in organizational development, capacity building, and outreach.

Project Ref	Grantee	Project Name	State
OWEB 201-020B	OWEB	Middle Rogue WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-05-SEP-03	Watershed and Sub-basin Planning and Assessment	$38,998	$0	Southern Oregon Coastal

Project Description

Same as 201-020. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-021	OWEB	Bear Creek Watershed Council Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-24-AUG-03	Watershed and Sub-basin Planning and Assessment	$37,176	$0	Southern Oregon Coastal

Project Description

This project proposes 2 years additional coordinator funding in order to build on Bear Creek Watershed Council's past successes in the following core areas: a) Bear Creek Water Quality/Flow/Fisheries b) Administration and Coordination of Bear Creek and Rogue Basin efforts and c) Education and Outreach.

Project Ref	Grantee	Project Name	State
OWEB 201-021B	OWEB	Bear Creek Watershed Council Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-24-AUG-03	Watershed and Sub-basin Planning and Assessment	$25,324	$0	Southern Oregon Coastal

Project Description

Same as 201-021. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-022	OWEB	South Coast Watershed Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-17-JUL-03	Watershed and Sub-basin Planning and Assessment	$0	$47,000	Southern Oregon Coastal

Project Description

This position serves 7 watershed councils (and 9 separate watersheds) on the southern Oregon coast. These councils include: Floras Creek; Elk/ sixes; Port Orford; Euchre Creek; Hunter/Pistol; Chetco; and Winchuck rivers. The coordinator also directs the South Coast Watershed Council, and an umbrella group that brings together the "sub-councils" and implements a county-wide restoration strategy.

Project Ref	Grantee	Project Name	State
OWEB 201-022B	OWEB	South Coast Watershed Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-17-JUL-03	Watershed and Sub-basin Planning and Assessment	$29,000	$0	Southern Oregon Coastal

Project Description

Same as 201-022. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-023	OWEB	Little Butte Creek Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-08-OCT-03	Watershed and Sub-basin Planning and Assessment	$76,000	$0	Southern Oregon Coastal

Project Description

Little Butte Watershed Council has been extremely proactive in protecting and restoring their watershed resources and educating stakeholders and others about those successes. In order to continue this important work, begun officially in 1994, it is imperative that the coordinator/project fiscal administrator position be adequately fund to ensure continuity and completion of projects currently underway, and that future projects under development move forward.

Project Ref	Grantee	Project Name	State
OWEB 201-024	OWEB	Mary's River WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-02-JUL-03	Watershed and Sub-basin Planning and Assessment	$0	$52,407	Willamette

Project Description

This Project will: 1) advance the Mary's River Watershed Council (MRWC) long-term Action Plan (Draft attached), 2) continue base-line data collection on water quality and habitat quality for the Mary's river watershed, 3) continue funding for the full-time watershed council coordinator, and 4) continue efforts to expand and diversify landowners participation in watershed council aestivates.

Project Ref	Grantee	Project Name	State
OWEB 201-024A	OWEB	Mary's River WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-02-JUL-03	Watershed and Sub-basin Planning and Assessment	$22,591	$0	Willamette

Project Description

Same as 201-024. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-025	OWEB	North Santiam Watershed Council Support & Coordination Grant	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-09-OCT-03	Watershed and Sub-basin Planning and Assessment	$0	$35,800	Willamette

Project Description

The North Santiam Watershed Council requires financial assistance to hire a coordinator and part-time Office Assistant to continue to provide support, supervision and coordination to the various Council programs. Including: watershed assessment, WQ monitoring, education & outreach, and restoration work. This project will continue the exhaustive work of the last 4 years of the NSWC and will result in protecting and restoring watershed and having healthier communities.

Project Ref	Grantee	Project Name	State
OWEB 201-025B	OWEB	North Santiam Watershed Council Support & Coordination Grant	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-09-OCT-03	Watershed and Sub-basin Planning and Assessment	$39,200	$0	Willamette

Project Description

Same as 201-025. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-027	OWEB	Coast Fork Willamette WSC Coordination & Administration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-03-SEP-03	Watershed and Sub-basin Planning and Assessment	$75,000	$0	Willamette

Project Description

Volunteers of the Coast Fork Willamette watershed community to need a coordinator to assist in their efforts to organize and administer a local watershed council. Better communication among all citizens will help coordinate and integrate social, ecological, and economic issues of the collective Coast Fork Willamette and Row River watershed. OWEB funds are requested to support a salaried coordinator position and related fiscal and council administration costs. The proposed budget term begins July 1, 2001 and ends June 30, 2003.

Project Ref	Grantee	Project Name	State
OWEB 201-028	OWEB	Calapooia Watershed Council Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-29-JUL-03	Watershed and Sub-basin Planning and Assessment	$33,480	$0	Willamette

Project Description

Volunteers of the Calapooia Watershed Council need a coordinator to assist their efforts to organize and administer their council. A paid coordinator will develop partnership, increase membership, and improve communication, which will help coordinate and ingrate social, ecological, and economic issues of the watershed. OWEB funds are requested to support a full-time coordinator position and related fiscal and council administration costs for 2 years.

Project Ref	Grantee	Project Name	State
OWEB 201-029	OWEB	Yamhill Basin WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-07-AUG-03	Watershed and Sub-basin Planning and Assessment	$0	$40,500	Willamette

Project Description

The requested funds enables the Yamhill Basin Council to continue employment of a watershed coordinator to proved staff assistance for the council, and to assist the council in implementing education and outreach aestivates; conducting and coordinating monitoring, assessment and action plan projects; researching and assisting with funding for watershed projects, and providing stakeholder forum for the basin.

Project Ref	Grantee	Project Name	State
OWEB 201-029A	OWEB	Yamhill Basin WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-07-AUG-03	Watershed and Sub-basin Planning and Assessment	$34,500	$0	Willamette

Project Description

Same as 201-029. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-030	OWEB	Long Tom Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-29-SEP-03	Watershed and Sub-basin Planning and Assessment	$75,000	$0	Willamette

Project Description

This project will maintain the current support so the LTWC can meet its goals by: 1) Maintaining consistent activity & leveraging hours; 2) Assisting people from perspectives in working together toward watershed health; 3) Overseeing & integrating all parts of the Action Plan incl.: education, monitoring, & restoration prioritization & activity; 4) Leveraging match funds & services; & 5) Keeping the watershed public informed.

Project Ref	Grantee	Project Name	State
OWEB 201-031	OWEB	Scappoose Bay Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-14-JUL-03	Watershed and Sub-basin Planning and Assessment	$0	$37,500	Lower Columbia

Project Description

This grant will fund a full-time Coordinator for Scappoose Bay Watershed Council, and represent SBWC as a visible and accessible contact for the local community regarding issues related to watershed health and restoration. The coordinator will build on three years of public education, community involvement, watershed assessment, and trust-building by SBWC volunteers. The Coordinator's work may include supervising two part-time employees . It will include coordinating stream monitoring and action plan development; overseeing administration of grants; promoting SBWC activities through local media and service clubs; working with the local soil and water conservation district to gain the confidence and cooperation of agricultural riparian landowners in the community; working with other local natural resource industries and businesses to assist their efforts to comply with clean water and fish protection regulations; developing neighborhood riparian support groups; maintaining the SBWC's GIS data base; writing grants for SBWC projects and for partnership projects with municipal and agencies; and organizing a facilitated self-assessment of the SBWC.

Project Ref	Grantee	Project Name	State
OWEB 201-032	OWEB	Johnson Creek Watershed Council Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-16-OCT-03	Watershed and Sub-basin Planning and Assessment	$0	$46,750	Lower Columbia

Project Description

The Johnson Creek Watershed Council has conducted a prioritized planning process and has stakeholder involvement, expand watershed partnerships, and diversify council financial support with the assistance of paid staff. Expanded resources will be utilized to address significant watershed challenges such as water quality degradation, threatened and endangered species, habitat loss and degradation, flood damage through integrated strategies which combine the efforts of local jurisdictions and watershed stakeholders.

Project Ref	Grantee	Project Name	State
OWEB 201-032B	OWEB	Johnson Creek Watershed Council Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-16-OCT-03	Watershed and Sub-basin Planning and Assessment	$28,250	$0	Lower Columbia

Project Description

Same as 201-032. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-033	OWEB	Sandy River Basin WSC Coordinator Support Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$0	$40,625	Lower Columbia

Project Description

The Sandy River Basin Watershed Council completed a Phase I Assessment and Action Plan in June 1999. That GWEB funded project identified data gaps, demonstrated the need for community involvement in council activities, and expand partnerships for implementing on-the-ground projects. This Support Grant spells out critical needs of the watershed and Council that can only be addressed with the on-going assistance of a full-time, paid Coordinator.

Project Ref	Grantee	Project Name	State
OWEB 201-033B	OWEB	Sandy River Basin WSC Coordinator Support Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$34,375	$0	Lower Columbia

Project Description

Same as 201-033. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-034	OWEB	Tualatin River Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-19-AUG-03	Watershed and Sub-basin Planning and Assessment	$0	$37,899	Lower Columbia

Project Description

This proposal continues support for the Tualatin River Watershed Council through employment of a Watershed Coordinator and associated costs for 24 months. The Coordinator is fundamental to implement enhancement, protection, and restoration projects identified in the Tualatin River Watershed Action Plan, conducting public awareness and community education programs, and fostering communication among all interests within the watershed

Project Ref	Grantee	Project Name	State
OWEB 201-034B	OWEB	Tualatin River Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-19-AUG-03	Watershed and Sub-basin Planning and Assessment	$35,521	$0	Lower Columbia

Project Description

Same as 201-034. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-035	OWEB	Columbia Slough WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-09-OCT-03	Watershed and Sub-basin Planning and Assessment	$75,000	$0	Lower Columbia

Project Description

Columbia Slough is an urban watershed experiencing rapid development and complex local management issues. This proposal provides for a full-time Coordinator and other funds to enable the CSWC to continue its success as the forum to resolve watershed issues. Priority efforts include a watershed-wide assessment, identifying riparian/upland restoration, enhancement, and protection sites, and training/education/public outreach activities.

Project Ref	Grantee	Project Name	State
OWEB 201-036	OWEB	Middle Fork Willamette WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-13-AUG-03	Watershed and Sub-basin Planning and Assessment	$74,846	$0	Willamette

Project Description

To provide essential Council support services (Coordinator funding, printing & postage costs, vehicle mileage, newsletter production, equipment, office utilities) for the fast growing Middle Fork Willamette Watershed Council; which recently (November 2000) received formal Lane County recognition and is currently in the midst of developing & implementing a two year Work Plan geared towards achieving Council Mission and Goals as Defined in the Council Charter.

Project Ref	Grantee	Project Name	State
OWEB 201-037	OWEB	South Santiam Watershed Council (SSWC) Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-14-AUG-03	Watershed and Sub-basin Planning and Assessment	$0	$26,283	Willamette

Project Description

The project will advance the goals of the South Santiam Watershed Council (SSWC) over the next two years by funding a full-time coordinator position that will better enable the council to achieve their goals, objectives, carry out the action items outlined and prioritized in their Action Plan.

Project Ref	Grantee	Project Name	State
OWEB 201-037B	OWEB	South Santiam Watershed Council (SSWC) Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-14-AUG-03	Watershed and Sub-basin Planning and Assessment	$48,717	$0	Willamette

Project Description

Same as 201-037. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-038	OWEB	Clackamas River Basin Council	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-19-AUG-03	Watershed and Sub-basin Planning and Assessment	$0	$56,250	Lower Columbia

Project Description

This project will assist the Clackamas River Basin Council to implement and further the following goals over the next two years: 1)Continue and expand the Riparian Enhancement Programs and other on-the-ground conservation projects; 2)Continue to promote involvement and partnerships with over 250 stakeholder groups and more private landowners; 3)Develop, update and implement Council and watershed Action Plans; 4)leverage community funding, coordinate grant writing and reporting and implement the Council's strategic funding plan; 5)provide leadership and participate in local, regional and state-wide watershed; 6)continue to develop the Clackamas Watershed Monitoring Projects; 7)enhance community understanding of our watershed through watershed assessments and studies; 8)promote the enjoyment and understanding of the watershed through tours, educational workshops and events.

Project Ref	Grantee	Project Name	State
OWEB 201-038B	OWEB	Clackamas River Basin Council	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-19-AUG-03	Watershed and Sub-basin Planning and Assessment	$18,750	$0	Lower Columbia

Project Description

Same as 201-038. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-039	OWEB	Greater Salem Area WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-15-OCT-03	Watershed and Sub-basin Planning and Assessment	$75,000	$0	Willamette

Project Description

This project will fund a watershed coordinator, and associated services and materials, who will assist three watershed councils (I.e. Pringles Creek WC, Claggett Creek WC, and Glenn-Gibson WC) and the Friends of Mill Creek in meeting their goals and objectives. Primary objectives during this grant period will include the completion of a joint watershed assessment and the development of action plans for each watershed council.

Project Ref	Grantee	Project Name	State
OWEB 201-040	OWEB	Rickreall WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-17-OCT-03	Watershed and Sub-basin Planning and Assessment	$75,000	$0	Willamette

Project Description

This project would allow continued support for a full-time Watershed Coordinator for two years. The Coordinator will assist the Rickreall Watershed Council advance its goal of: a) Reviewing the assessment and setting project priorities. b) Creating an action plan using council goals and objectives c) Implementing the action plan and monitoring it d) Identifying projects of outreach, education, and high visibility for community involvement.

Project Ref	Grantee	Project Name	State
OWEB 201-041	OWEB	Klamath Watershed Council Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-22-OCT-03	Watershed and Sub-basin Planning and Assessment	$76,780	$0	Klamath

Project Description

To provide a Watershed Council Coordinator and provide general financial support for the Klamath Watershed Council, its seven existing working groups, and a new urban issue working group currently in formation. Also support and supplies for field technician doing watershed assessments through the RARE program.

Project Ref	Grantee	Project Name	State
OWEB 201-042	OWEB	Crooked River Watershed Council Coordinator Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-04-AUG-03	Watershed and Sub-basin Planning and Assessment	$0	$34,833	Deschutes

Project Description

OWEB support of the Crooked River Watershed Council coordinator position will ensure the current momentum of the council is maintained and expanded. Specific local objectives that will be met by continuation of the council's coordinator position include: 1) Final draft and distribution of basin assessment; 2) Education Projects (landowner workshop, watershed forum, educator workshop, rural/urban issues events); 3) Facilitation and support of watershed & sub-watershed scale landowner working groups; 4) Improved fish passage and habitat in the Ochoco Watershed (Mill, McKay, Ochoco, Marks and Allen Creeks); 5) Demonstration projects; 6) Increase the capacity of the council (technical staff support, coordinator staff, board development activities, day-to-day operations, newsletter, media relations) 7) expand efforts to develop and implement monitoring action items; 8) Build partnerships and fundraise to support improvement projects with other councils, etc.); 10) Identify and support implementation of riparian restoration and protection projects.

Project Ref	Grantee	Project Name	State
OWEB 201-042B	OWEB	Crooked River Watershed Council Coordinator Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-04-AUG-03	Watershed and Sub-basin Planning and Assessment	$32,983	$0	Deschutes

Project Description

Same as 201-042. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-043	OWEB	Council Support Project Upper Deschutes Watershed Council	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-29-JUL-03	Watershed and Sub-basin Planning and Assessment	$105,446	$0	Deschutes

Project Description

This project proposal will fund the continuation of a full-time watershed coordinator and council operation costs in the Upper and Little Deschutes Sub Basins. The Council will continue: facilitating comprehensive watershed management; assisting in the development, implementation, and involvement activities in the basin.

Project Ref	Grantee	Project Name	State
OWEB 201-044	OWEB	Sherman County Watershed Council Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-17-SEP-03	Watershed and Sub-basin Planning and Assessment	$0	$41,585	John Day

Project Description

One Coordinator will organize meetings and implement action items for four watershed councils in Sherman County. Sherman County SWCD will provide a technician for assessment, monitoring, planning and design, and will provide an administrator for all grants, programs and projects. Sherman SWCD will provide staff to coordinate a fifth watershed council with other funding.

Project Ref	Grantee	Project Name	State
OWEB 201-044A	OWEB	Sherman County Watershed Council Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-17-SEP-03	Watershed and Sub-basin Planning and Assessment	$28,415	$0	John Day

Project Description

Same as 201-044. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-045	OWEB	Lake County Watershed Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-16-SEP-03	Watershed and Sub-basin Planning and Assessment	$0	$54,661	Oregon Closed Basins

Project Description

Project will contract full time Watershed Coordinator to assist 5 independent watershed Councils and other formally recognized watershed councils as develop in Lake County, Oregon with assessment, evaluation, monitoring, planning and implementation of social economic, natural resources and biologic issues within formal boundaries of each council and to provide administrative support including maintenance of records and historical documentation.

Project Ref	Grantee	Project Name	State
OWEB 201-045A	OWEB	Lake County Watershed Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-16-SEP-03	Watershed and Sub-basin Planning and Assessment	$24,136	$0	Oregon Closed Basins

Project Description

Same as 201-045. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-047	OWEB	Hood River Watershed Group- Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-18-JUL-03	Watershed and Sub-basin Planning and Assessment	$0	$43,800	Middle Columbia

Project Description

This project continues funding a full-time coordinator for Hood River Watershed Group (council) and council expenses for 2 years. The coordinator will plan and conduct council meetings, assist members to develop and implement operative projects in the Hood River Watershed Action Plan including SB1010 and TMDL water quality plans, conduct outreach activities, water quality monitoring, and organize volunteer labor for on-the-ground projects.

Project Ref	Grantee	Project Name	State
OWEB 201-047A	OWEB	Hood River Watershed Group- Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-18-JUL-03	Watershed and Sub-basin Planning and Assessment	$41,904	$0	Middle Columbia

Project Description

Same as 201-047. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-048	OWEB	Middle Deschutes Watershed Coordinator & Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-15-OCT-03	Watershed and Sub-basin Planning and Assessment	$76,227	$0	Deschutes

Project Description

This proposal will allow the District to continue with a full-time Watershed Coordinator and continued to support the two Councils located in Jefferson Co. The Councils are completing comprehensive watershed-wide assessment.

Project Ref	Grantee	Project Name	State
OWEB 201-049	OWEB	Harney County Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-20-NOV-03	Watershed and Sub-basin Planning and Assessment	$0	$45,695	Oregon Closed Basins

Project Description

Provide for a Watershed Council Coordinator. This coordinator will be responsible for the fiscal management of the council as well conducting the day to day business of the council. The coordinator will develop budgets, work plans, educational opportunities, and provide public relations for the council.

Project Ref	Grantee	Project Name	State
OWEB 201-049B	OWEB	Harney County Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-20-NOV-03	Watershed and Sub-basin Planning and Assessment	$45,305	$0	Oregon Closed Basins

Project Description

Same as 201-049. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-050	OWEB	Wheeler County Watershed Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-24-OCT-03	Watershed and Sub-basin Planning and Assessment	$0	$37,600	John Day

Project Description

This is a proposal to continue funding for the Wheeler County Watershed Coordinator. Since his hiring in 1998, the coordinator has provided support necessary to implement watershed improvement projects throughout Wheeler County. The coordinator will continue to perform these duties within the county and address any new issues that occur as directed by Wheeler Point watershed Council and Bridge Creek Watershed Council and Wheeler SWCD.

Project Ref	Grantee	Project Name	State
OWEB 201-050A	OWEB	Wheeler County Watershed Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-24-OCT-03	Watershed and Sub-basin Planning and Assessment	$66,520	$0	John Day

Project Description

Same as 201-050. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-051	OWEB	Malheur-Owhyhee WSC Coordinator & Technical Support	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-08-SEP-03	Watershed and Sub-basin Planning and Assessment	$80,300	$0	Middle Snake-Boise

Project Description

The coordinator will facilitate and provide technical support to the Malheur-Owyhee Watershed Council, the Bully Creek Watershed Coalition. Duties include: 1) implementing the Malheur Basin Action Plan and assisting with the Bully Creek Action Plan, 2) continue water quality Monitoring and assessment of the Malheur River Drainage, 3) support the Owyhee informational component of the Council, 4) perform outreach for public awareness of watershed health issues, 5) pursue funding for projects, water quality monitoring, and PFC assessment in the Bully Creek sub basin and the Malheur River watershed 6) facilitate project implementation with BCWC and MOWC members as well as other area residents. 7) facilitate meetings between federal land management agencies and user, Ad Hoc Meetings, when necessary.

Project Ref	Grantee	Project Name	State
OWEB 201-052	OWEB	Walla Walla Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-29-AUG-03	Watershed and Sub-basin Planning and Assessment	$100,495	$0	Middle Columbia

Project Description

The Walla Walla Basin Watershed Council is seeking funds to continue accomplishing the tasks described in the 1997 Upper Walla Walla Subbasin Action Plan. We have successfully implemented a variety of projects to improve riparian habitat, upland road drainage, and improve streamflow through irrigation efficiency. We are also the lead entity for Oregon in the Bi-State Planning process to improve habitat for ESA listed bull trout and steelhead.

Project Ref	Grantee	Project Name	State
OWEB 201-053	OWEB	Umatilla Basin Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-10-JUL-03	Watershed and Sub-basin Planning and Assessment	$0	$81,042	Middle Columbia

Project Description

Fund Coordinator Position and overhead expenses for 2 years.

Project Ref	Grantee	Project Name	State
OWEB 201-053B	OWEB	Umatilla Basin Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-10-JUL-03	Watershed and Sub-basin Planning and Assessment	$40,799	$0	Middle Columbia

Project Description

Same as 201-053. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-054	OWEB	North Fork John Day Watershed Council Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-28-JUL-03	Watershed and Sub-basin Planning and Assessment	$95,337	$0	John Day

Project Description

The North Fork John Day Watershed Council seeks funding to maintain their coordinator position. The coordinator solicits landowner participation for restoration and enhancement projects throughout the North/Middle Fork subbasins and coordinates interagency support for development and construction of projects, and implements educational efforts. The coordinator facilitates meetings, forums, and workshops. The coordinator works cooperatively with other watershed councils within the John Day Basin to recognize and address water quality problems. The coordinator writes and administers grants, works to outreach to communities and schools within the watershed, and aids individuals and organizations in their efforts to enhance and safeguard water quality within the North Fork Subbasin. The coordinator is the Local Management Agency representative to the 1010 Basin Planing Committee.

Project Ref	Grantee	Project Name	State
OWEB 201-055	OWEB	Powder Basin Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-09-SEP-03	Watershed and Sub-basin Planning and Assessment	$0	$57,295	Middle Snake-Powder

Project Description

We have built an organization that is sustainable with outside support. We serve as a coordinating mechanism within the Powder Basin, providing space for agencies, organizations and private citizens to find common ground. We have excelled at maintaining diversity of opinion while creating a forum of respectful listening and speaking. We have prioritized ten 5th code (or larger) watershed for assessment and action plans and are beginning our second watershed assessment utilizing extensive outreach programs. We will also be focusing on our first Watershed Action Plan. We hope to make great progress in council process over the next two years by employing consensus training and facilitation.

Project Ref	Grantee	Project Name	State
OWEB 201-055B	OWEB	Powder Basin Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-09-SEP-03	Watershed and Sub-basin Planning and Assessment	$34,372	$0	Middle Snake-Powder

Project Description

Same as 201-055. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-056	OWEB	Gilliam-East John Day Watershed Council Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-06-OCT-03	Watershed and Sub-basin Planning and Assessment	$0	$46,142	John Day

Project Description

The Watershed Council Coordinator will continue to work with all stakeholders to enable the Council to strategically and systematically prioritize, educate, implement, assess and monitor existing and proposed projects, assist the Council with the development of Council Policies and Goals setting, to be assured of a successful watershed organization and improved watershed health and function in the Lower John Day Basin.

Project Ref	Grantee	Project Name	State
OWEB 201-056A	OWEB	Gilliam-East John Day Watershed Council Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-06-OCT-03	Watershed and Sub-basin Planning and Assessment	$28,359	$0	John Day

Project Description

Same as 201-056. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-057	OWEB	Grande Ronde Model Watershed Program Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-21-MAR-03	Watershed and Sub-basin Planning and Assessment	$128,237	$0	Lower Snake

Project Description

The project will provide partial funding for administration and coordination of the Grande Rhonde Model Watershed Programs (GRMWP). Activities of the watershed council include: watershed assessments, restoration projects planning, implementation and monitoring; education, and public outreach. The program facilitates dialogue and coordination among stakeholders. The GRMWP has created a cooperative, incentive-based habitat restoration program.

Project Ref	Grantee	Project Name	State
OWEB 201-057B	OWEB	Grande Ronde Model Watershed Program Administration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-31-MAR-03	Watershed and Sub-basin Planning and Assessment	$29,260	$0	Lower Snake

Project Description

Same as 201-057. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-059	OWEB	Coos Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$0	$28,842	Southern Oregon Coastal

Project Description

Watershed council support for the Coos Watershed Council.

Project Ref	Grantee	Project Name	State
OWEB 201-059B	OWEB	Coos Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$47,158	$0	Southern Oregon Coastal

Project Description

Same as 201-059. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-074	OWEB	Lower Nehalem Watershed Health - Action Plan	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-JUL-01-24-NOV-03	Watershed and Sub-basin Planning and Assessment	$70,290	$0	Northern Oregon Coastal

Project Description

The LNWC seeks to hire a Watershed Planner to implement LNWC Action Plan projects. The focus of the LNWC Action Plan is to develop priority projects for implementation. The council is taking steps to develop cooperative partnerships with local landowners and natural resource managers to identify, prioritize and implement restoration projects. Projects will be designed according to state standards and executed to improve riparian conditions, salmon passage, water quality, aquatic and estuarine habitats.

Project Ref	Grantee	Project Name	State
OWEB 201-123	OWEB	Coos Bay Lowlands Assessment, Phase 1	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$102,578	$0	Southern Oregon Coastal

Project Description

This project will fund a watershed assessment for lowlands surrounding Coos Bay, the second largest estuary in Oregon. The first project phase will cover the northern and eastern portions of the Lower Coos River fifth field watershed, and will extend the standard OWEB Assessment methodology to include additional field surveys, increased emphasis on hydrology, and a targeted environmental history component.

Project Ref	Grantee	Project Name	State
OWEB 201-165	OWEB	Columbia Slough Action Plan	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-AUG-01-15-DEC-03	Watershed and Sub-basin Planning and Assessment	$54,428	$0	Lower Columbia

Project Description

Develop an Action Plan for the Columbia Slough watershed using existing information as baseline; identify data gaps; develop prioritized restoration/protection action items and list of projects; and develop landowner/stakeholder partnership strategies. Conduct public workshops to identify action items, projects and priorities. This is the first fully integrated plan for the watershed and will be valuable for expanding private landowner's awareness of protection/restoration needs for restoring watershed health.

Project Ref	Grantee	Project Name	State
OWEB 201-166	OWEB	Clackamas Subwatershed Summary & Action Plan	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	22-OCT-01-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$71,287	$0	Lower Columbia

Project Description

The Clackamas River Basin Council and its partners intend to conduct a Basin-wide Sub-watershed Summary and Action Plan. In addition, the council intends to complete the final two Sub-watershed Assessments and develop a Preliminary Action Plan on Deep and Goose Creek Watersheds. A contractor will be hired to work with the Watershed Council, partners and community volunteers to complete the assessment using the OWEB manual. Basin-wide Action Planning will summarize and incorporate completed assessments for 98% of the individual subwatersheds in the Clackamas Basin. The Action Plan may include a Subwatershed summary, Fish and Wildlife Improvement Plan, a Water Quality and Water Supply Plan, a Stewardship Plan and a Watershed Monitoring Plan.

Project Ref	Grantee	Project Name	State
OWEB 201-168	OWEB	Pedee Creek Watershed Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-SEP-01-23-JUN-03	Watershed and Sub-basin Planning and Assessment	$13,177	$0	Willamette

Project Description

Assessment of watershed conditions for Pedee Creek, tributary of the Luckiamute river.

Project Ref	Grantee	Project Name	State
OWEB 201-170	OWEB	Salt Creek & Upper South Yamhill Watershed Assess.	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	05-JUL-01-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$48,026	$0	Willamette

Project Description

The project requests funds to complete the final two fifth field watershed assessments in the Yamhill Basin. A local project manager working with volunteers, landowners, council members, and a technical advisory committee will complete the assessments following the Oregon Watershed Assessment Manual methodology. The project includes a public involvement component of at least two community meetings to be held in each watershed. The first will present the assessment methods and discuss local issues. The second will present results of the assessment and begin the process to develop an action plan for the watershed.

Project Ref	Grantee	Project Name	State
OWEB 201-171	OWEB	Willamette Basin Western Pond Turtle Habitat & pop Assess	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	30-JUL-01-04-JUN-03	Watershed and Sub-basin Planning and Assessment	$60,000	$0	Willamette

Project Description

The purpose of this proposal is to support a three-pronged data acquisition and assessment that includes the following: 1) a review to establish historic and currently known locations throughout the Willamette Valley; 2) a field survey to historic sites within the Willamette Basin to verify occupancy; 3) an assessment to determine the potential contribution of private lands to the conservation of the Western Pond Turtle in the Willamette Basin in partnership with Watershed councils.

Project Ref	Grantee	Project Name	State
OWEB 201-275	OWEB	Lower Nehalem River Habitat Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	16-NOV-01-19-AUG-02	Watershed and Sub-basin Planning and Assessment	$24,689	$0	Northern Oregon Coastal

Project Description

This proposal would fund a crew to survey many of the streams in the Lower Nehalem River watershed in order to collect information on stream habitat and fish passage. The information will be used in the development and prioritization of restoration projects.

Project Ref	Grantee	Project Name	State
OWEB 201-277	OWEB	Wetland Restoration at Gearhart Bog	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	03-JAN-02-19-MAR-03	Watershed and Sub-basin Planning and Assessment	$23,721	$0	Northern Oregon Coastal

Project Description

This project proposes to conduct an assessment and planning project to develop a road and drainage ditch restoration plan designed to restore natural water flows in Gearhart Bog.

Project Ref	Grantee	Project Name	State
OWEB 201-283	OWEB	5 Stream Restoration Designs for the Alsea Basin	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-NOV-01-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$8,450	$0	Northern Oregon Coastal

Project Description

This project will employ a professional fish biologist to develop five restoration projects in high priority areas of the watershed.

Project Ref	Grantee	Project Name	State
OWEB 201-306	OWEB	Bear Creek Regional Stormwater Management Plan-Step 1	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Watershed and Sub-basin Planning and Assessment	$13,702	$0	Southern Oregon Coastal

Project Description

This is step one in a three step process to create and implement a regional storm water management plan for the jurisdictions in the Bear Creek watershed to reduce urban non-point source pollution into Bear Creek. Step One develops the foundation for a regional plan.

Project Ref	Grantee	Project Name	State
OWEB 201-323	OWEB	Yamhill Basin Watershed Action Plan & Outreach Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-NOV-01-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$41,107	$0	Willamette

Project Description

This project will engage stakeholders to develop action plans from the finished fifth field watershed assessments. The local watershed groups will work with staff and technical experts to develop an action plan using the CRMP process.

Project Ref	Grantee	Project Name	State
OWEB 201-326	OWEB	Fish Passage and Habitat Assessment Inventory	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	18-OCT-01-02-JAN-03	Watershed and Sub-basin Planning and Assessment	$44,644	$0	Willamette

Project Description

The applicant proposes a countywide program to identify and prioritize the restrictions to fish passage and document the quality of habitat that would be available after fish passage is opened. Prioritization will be based on a cost/benefit analysis of removal or retrofit cost compared to the quality and quantity of accessible fish habitat if barrier is removed.

Project Ref	Grantee	Project Name	State
OWEB 201-398	OWEB	The Business of Conservation/Building Conservation Dist Capa	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	03-NOV-01-30-NOV-03	Watershed and Sub-basin Planning and Assessment	$111,196	$0	Oregon

Project Description

The purpose of this project is to increase the capacity of soil and water conservation districts to plan for implementation of the Oregon Plan for Salmon and Watersheds, SB1010, and other priorities by increasing their administrative, programmatic, and technical abilities.

Project Ref	Grantee	Project Name	State
OWEB 201-406A	OWEB	Willamette Restoration Initiative	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-NOV-02-19-AUG-03	Watershed and Sub-basin Planning and Assessment	$0	$178,250	Southern Oregon Coastal

Project Description

Funding for the Willamette Restoration Initiative (WRI)

Project Ref	Grantee	Project Name	State
OWEB 201-406B	OWEB	Willamette Restoration Initiative	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	27-NOV-02-19-AUG-03	Watershed and Sub-basin Planning and Assessment	$0	$30,000	Southern Oregon Coastal

Project Description

Funding for the Willamette Restoration Initiative (WRI)

Project Ref	Grantee	Project Name	State
OWEB 201-441	OWEB	Rogue Basin Streamflow Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	05-FEB-02-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$61,558	$0	Southern Oregon Coastal

Project Description

This project is to systematically assess stream flows in the Rogue Basin during the low flow season through a measurement program designed to document flow conditions. Flow data will be used to assist in: 1) establishing restoration and distribution priorities; 2) developing TMDL models; and 3) supporting ongoing watershed temperature studies.

Project Ref	Grantee	Project Name	State
OWEB 201-442	OWEB	Umpqua Basin Streamflow Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-02-31-OCT-04	Watershed and Sub-basin Planning and Assessment	$56,077	$0	Southern Oregon Coastal

Project Description

This project is to systematically assess stream flows in the Umpqua Basin during the low flow season through a measurement program designed to document flow conditions. Flow data will be used to assist in: 1) establishing restoration and distribution priorities; 2) developing TMDL models; and 3) supporting ongoing watershed temperature studies.

Project Ref	Grantee	Project Name	State
OWEB 201-467	OWEB	Lower Coast Fork Willamette WS Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-FEB-02-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$63,668	$0	Willamette

Project Description

This project will complete an assessment of the Lower Coast Fork to provide historic and current perspectives on watershed conditions. The assessment will be used to formulate a future action plan and identify data collection priorities. OWEB funds are requested for project management, consultation, GIS services, aerial photography, travel, supplies, postage, copies, report production, workshops and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-512	OWEB	Donner Und Blitzen Watershed Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-FEB-02-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$9,400	$0	Oregon Closed Basins

Project Description

This project will collect existing geological, hydrological, climatic, vegetative and wildlife data from the Donner Und Blitzen subbasin to complete a watershed assessment using the OWEB assessment manual protocol. The assessment will be used to facilitate the writing of action plans in Harney County as well as enable private landowners to identify where best to allocate improvement funds. OWEB funds are requested for contractor and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-548	OWEB	Development of Biodiversity Data	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-02-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$49,106	$0	Oregon

Project Description

This two-year project will advance efforts to provide biodiversity information to watershed councils and to others in the public and private sectors. The two main products will be (1) a fine scale (1:24,000) map of pre-settlement vegetation for the Oregon coast, Willamette River Middle Fork, Umpqua Basin, and Rogue/Illinois Valleys; and (2) surveys and classifications of wetland and riparian habitats in Northwest Oregon. Watershed councils will be notified of the new data's availability and will be able to request information at no charge. The main project costs are for personnel.

Project Ref	Grantee	Project Name	State
OWEB 201-570	OWEB	Siuslaw Basin Rapid Bioassessment Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-13-JUL-03	Watershed and Sub-basin Planning and Assessment	$36,330	$0	Northern Oregon Coastal

Project Description

This project will fund one year of Rapid Bio-Assessment data collection for the whole Siuslaw River basin. Rapid Bio-Assessment is a snorkel survey protocol that provides excellent information on the abundance and distribution of juvenile salmonids. OWEB funds will be used to pay the contract services, travel expenses and supplies/materials for the assessment.

Project Ref	Grantee	Project Name	State
OWEB 201-592	OWEB	Rogue Basin Restoration Technical Team Pool	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	23-JUL-02-29-FEB-04	Watershed and Sub-basin Planning and Assessment	$72,000	$0	Southern Oregon Coastal

Project Description

This project proposes to continue providing coordinated on-the-ground technical support to watershed councils, private landowners and agencies within the Rogue River basin. The project will also validate, distribute and train watershed councils and agency personnel in the use of the Ecological Management Decision Support Model for the purpose of identifying high priority restoration and monitoring needs from a basin scale perspective.

Project Ref	Grantee	Project Name	State
OWEB 201-593	OWEB	Williams Creek Groundwater Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	28-JUN-02-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$74,176	$0	Southern Oregon Coastal

Project Description

This project proposes to assess ground water resources in the Williams Creek watershed in order to identify economically viable quantities available for transfer from surface instream use to ground water use in order to increase stream flows, remove fish passage barriers and encourage efficiency through use of pressurized irrigation systems.

Project Ref	Grantee	Project Name	State
OWEB 201-595	OWEB	Umpqua Basin Fish Barrier Identification & Prioritization	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	17-JUL-02-29-OCT-03	Watershed and Sub-basin Planning and Assessment	$30,800	$0	Southern Oregon Coastal

Project Description

This project proposes to create a multi-organizational, inter-disciplinary committee to identify existing fish passage barriers within the Umpqua basin. A consistent method for prioritizing their value for correction will be developed along with a strategic plan for future work.

Project Ref	Grantee	Project Name	State
OWEB 201-699	OWEB	Upper Butter Creek Channel Restoration Action Plan	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	25-JUN-02-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$37,180	$0	Middle Columbia

Project Description

The project is to develop a cost-effective, long-range stream enhancement plan for approximately 30+ miles of Butter Creek and its tributaries. The action plan will identify major limiting watershed conditions, characterize channel habitat types, stream channel restoration opportunities and develop a list of general stream enhancement alternatives for major channel habitat types. OWEB funds are requested for contracted services (81%), equipment/supplies (6%), project management (4%) and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-734	OWEB	ODA-Support SWCD's	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	13-MAY-02-08-SEP-03	Watershed and Sub-basin Planning and Assessment	$1,458,013	$0	Oregon

Project Description

Support for Soil and Water Conservation Districts

Project Ref	Grantee	Project Name	State
OWEB 201-736	OWEB	ODA - CREP Program	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	09-MAY-02-15-JUL-03	Watershed and Sub-basin Planning and Assessment	$25,000	$0	Oregon

Project Description

CREP analysis funding

Project Ref	Grantee	Project Name	State
OWEB 203-004	OWEB	Lower Nehalem Habitat Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	04-NOV-02-08-AUG-03	Watershed and Sub-basin Planning and Assessment	$28,677	$0	Northern Oregon Coastal

Project Description

Both physical habitat and snorkel surveys will be conducted on all the tributaries to the Lower Nehalem River in order to gain information necessary for the watershed council to identify and prioritize potential restoration sites and activities within the watershed. This project is a continuation of work conducted last year on the tributaries of the North Fork Nehalem. OWEB funds will be used for supplies, travel and wages for personnel.

Project Ref	Grantee	Project Name	State
OWEB 203-005	OWEB	Necanicum Habitat Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	30-OCT-02-03-NOV-03	Watershed and Sub-basin Planning and Assessment	$30,817	$0	Northern Oregon Coastal

Project Description

In order to identify both productive and deficient coho habitat in the Necanicum River watershed, this project will conduct winter nighttime snorkel surveys and physical stream habitat surveys on stream areas not surveyed in the last 10 years. The information will help identify potential restoration sites and activities as well as help design effective restoration projects. OWEB funds will be used for supplies, travel and wages for personnel.

Project Ref	Grantee	Project Name	State
OWEB 203-014	OWEB	Seven Basins WS Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	22-OCT-02-01-FEB-04	Watershed and Sub-basin Planning and Assessment	$88,375	$0	Southern Oregon Coastal

Project Description

Seven Basin's Watershed Council will develop an assessment and action plan to identify current watershed conditions, identify and prioritize on the ground project with strong local support, that when implemented will have a direct impact on watershed health. Project funds requested would be used for project contracted services, training, office supplies and rent, field supplies and equipment, phone and administrative costs.

Project Ref	Grantee	Project Name	State
OWEB 203-015	OWEB	WS Assessment & Action Plan Phase III	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	19-NOV-02-01-DEC-03	Watershed and Sub-basin Planning and Assessment	$35,000	$0	Southern Oregon Coastal

Project Description

This project proposes to develop watershed assessments and action plans for five additional fifth field watersheds in the Umpqua basin. These will compliment the seven fifth field watershed assessments currently in progress. The new watersheds will include looking Glass/Olalla, West and Lower Cow Creek, Myrtle Creek and the South Umpqua River. Project funds requested would be used for an assessment coordinator, contracted services such as GIS, Office and related project supplies, mileage, refreshments, mailing and announcements, printing, document review and fiscal administration.

Project Ref	Grantee	Project Name	State
OWEB 203-038	OWEB	Calapooia River WS Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	17-OCT-02-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$77,000	$0	Willamette

Project Description

This proposal is for an assessment of the 233,978-acre Calapooia watershed. It would integrate existing data and supplemental field data following the OWEB Assessment Manual protocols. OWEB funds are requested for contracted services, report production and administration.

Project Ref	Grantee	Project Name	State
OWEB 203-039	OWEB	Luckiamute WS Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	16-OCT-02-30-JUN-04	Watershed and Sub-basin Planning and Assessment	$75,000	$0	Willamette

Project Description

This project will result in an assessment of the 201,600-acre Luckiamute watershed, using the OWEB Watershed Assessment Manual protocols. It will integrate existing data and include additional mapped components. OWEB funds are requested for contracted services and administration.

Project Ref	Grantee	Project Name	State
OWEB 203-088	OWEB	Crooked/Rattlesnake/Jordan/Middle Owyhee Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	24-OCT-02-30-JUN-04	Watershed and Sub-basin Planning and Assessment	$72,486	$0	Middle Snake-Boise

Project Description

The Owyhee Watershed Council is seeking funds for a contractor to complete a local assessment of 3 subbasins which comprise 2,633,237 acres. Existing information pertaining to these subbasins will be collected and compiled. Fieldwork will be initiated based on the identification of data gaps in existing information. OWEB funds are requested for an assessment contractor (89%), mileage & mailing (1%) and administration (10%).

Project Ref	Grantee	Project Name	State
OWEB 203-116	OWEB	MidCoast Rapid BioAssessment Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	17-JUN-03-30-SEP-04	Watershed and Sub-basin Planning and Assessment	$29,480	$0	Northern Oregon Coastal

Project Description

This project would continue the highly successful Rapid Bio-Assessment (RBA) project in the mid-coast region. The RBA is a snorkel survey that produces excellent snapshot-in-time information on the abundance and distribution of juvenile salmonids within a river system. This effort would focus on a survey of the small coastal tributaries and select reaches of two of the major river systems (Yaquina and Alsea) in the region. OWEB funds would be used for wages and expenses of the snorkeling crew and for computer analysis of the data collected.

Project Ref	Grantee	Project Name	State
OWEB 203-117	OWEB	MidCoast WS Evaluation & Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-03-30-JAN-04	Watershed and Sub-basin Planning and Assessment	$92,423	$0	Northern Oregon Coastal

Project Description

This assessment project would continue the work of the Lincoln SWCD habitat and fisheries survey crew. Two full-time trained and skilled surveyors would continue to do Aquatic Habitat Inventories and spawner surveys on rivers and tributaries in the mid-coast region identified as important by the MidCoast Watershed Assessment and/or ODFW. The majority of OWEB funds will be used for crew wages with a small percentage allocated for travel costs and supplies.

Project Ref	Grantee	Project Name	State
OWEB 203-135	OWEB	Umpqua Basin WS Assessment & Action Plan Phase III	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	18-APR-03-03-FEB-04	Watershed and Sub-basin Planning and Assessment	$40,528	$0	Southern Oregon Coastal

Project Description

The Umpqua Basin Watershed Council (UBWC) proposes to develop watershed assessments and action plans for five fifth-field watersheds in the Umpqua basin. These will complement the fifth-field watershed assessments currently in progress or completed. The new watersheds will include Looking Glass/Olalla, West, Lower and Upper Cow Creeks, Tiller region assessment area, and the South Umpqua River. The assessment will follow the guidance contained within the Oregon Watershed Assessment Manual.

Project Ref	Grantee	Project Name	State
OWEB 203-151	OWEB	Lower Molalla River Milk Cr WS Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	05-MAR-03-30-JUN-04	Watershed and Sub-basin Planning and Assessment	$46,725	$0	Willamette

Project Description

This resubmitted proposal is for a watershed assessment that integrates existing data and includes field data collection and verification using the OWEB Assessment Manual protocols. The assessment would cover two 5th-field watersheds totaling 101,952 acres. OWEB funds would be used primarily for contracted services and production costs.

Project Ref	Grantee	Project Name	State
OWEB 203-170	OWEB	Deschutes Wetlands Initiative Phase I	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-03-30-DEC-03	Watershed and Sub-basin Planning and Assessment	$13,496	$0	Deschutes

Project Description

While the Deschutes River is the second largest river in Oregon, it flows through arid country and wetlands are a small but highly important part of the ecosystem. This project would inventory sites and determine from existing inventories the number, location, size and ecological nature of wetlands within the Deschutes Basin and develop a cooperative strategy for their management.

Project Ref	Grantee	Project Name	State
OWEB 203-229	OWEB	Siuslaw Basin Habitat Enchancement Design	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	10-OCT-03-30-JUN-04	Watershed and Sub-basin Planning and Assessment	$17,600	$0	Willamette

Project Description

Siuslaw Basin Habitat Enchancement Design

Project Ref	Grantee	Project Name	State
OWEB 203-232	OWEB	Geo-Technical Analysis for Miller & Page Cr Fish Barrier Rem	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	27-MAR-03-03-NOV-03	Watershed and Sub-basin Planning and Assessment	$16,000	$0	Northern Oregon Coastal

Project Description

Geo-Technical Analysis for Miller & Page Cr Fish Barrier Rem

Project Ref	Grantee	Project Name	State
OWEB 204-022B	OWEB	Calapooia WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$6,389	$0	Willamette

Project Description

2003-05 Council Support for Calapooia WSC

Project Ref	Grantee	Project Name	State
OWEB 204-025B	OWEB	Columbia Slough WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$49	$0	Lower Columbia

Project Description

2003-05 Council Support for Columbia Slough WSC

Project Ref	Grantee	Project Name	State
OWEB 204-028B	OWEB	Marys River WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$6,002	$0	Willamette

Project Description

2003-05 Council Support for Marys River WSC

Project Ref	Grantee	Project Name	State
OWEB 204-035B	OWEB	Scappoose Bay WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$3,498	$0	Lower Columbia

Project Description

2003-05 Council Support for Scappoose Bay

Project Ref	Grantee	Project Name	State
OWEB 204-037B	OWEB	Tualatin River WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$2,581	$0	Lower Columbia

Project Description

2003-05 Council Support for Tualation River WSC

Project Ref	Grantee	Project Name	State
OWEB 204-039B	OWEB	Yamhill Basin Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$2,500	$0	Willamette

Project Description

2003-05 Council Support for Yamhill Basin Council

Project Ref	Grantee	Project Name	State
OWEB 204-042B	OWEB	Gilliam-East John Day WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$1,795	$0	John Day

Project Description

2003-05 Council Support for Gilliam-East John Day, Lonerock/30 Mile, Hay/Scott Canyon, Mid Rock Cr, Ferry Canyon Working Group

Project Ref	Grantee	Project Name	State
OWEB 204-044B	OWEB	Jefferson SWCD Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$5,000	$0	Deschutes

Project Description

2003-05 Council Support for Trout Cr, Willow Cr WSC

Project Ref	Grantee	Project Name	State
OWEB 204-046B	OWEB	Sherman County WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$13,145	$0	Deschutes

Project Description

2003-05 Council Support for North Sherman, Fulton, Gordon Canyons, Macks Canyon, Grass Valley Canyon, Pine Hollow/Jackknife WSCs

Project Ref	Grantee	Project Name	State
OWEB 204-053B	OWEB	Umatilla Basin WS Foundation Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$8,069	$0	Middle Columbia

Project Description

2003-05 Council Support for Umatilla Basin WSC

Project Ref	Grantee	Project Name	State
OWEB 204-056C	OWEB	Owyhee WSC Support	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$1,500	$0	Middle Snake-Boise

Project Description

2003-05 Council Support for Owyhee WSC

Project Ref	Grantee	Project Name	State
OWEB 204-057C	OWEB	Powder Basin WSC Support C/O 01-03	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$3,000	$0	Middle Snake-Powder

Project Description

2003-05 Council Support for Powder Basin WSC

Project Ref	Grantee	Project Name	State
OWEB 99-010A	OWEB	Tech Assess Lwr Chetco WQ Mgmt Plan	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-99-03-FEB-03	Watershed and Sub-basin Planning and Assessment	$4,214	$0	Southern Oregon Coastal

Project Description

The North Fork Chetco River does not meet state water quality standards, which has served as a catalyst for increased public debate at the local level. The Chetco River Watershed Council, in concert with the Southcoast Watershed Council, propose to conduct a technical assessment for the lower one-third of the Chetco River with respect to riparian conditions and historical changes, prior to engaging the water quality management and action planning processes.

Project Ref	Grantee	Project Name	State
OWEB 200-025	OWEB	NF Siuslaw River Channel Migration and Riparian	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	11-JUN-01-19-AUG-02	Watershed and Sub-basin Planning and Assessment	$15,625	$0	Willamette

Project Description

Complete an historic aerial photo assessment of changes in stream channel sinusity, length and meander pattern and associated riparian vegetation over time (1936-2000). The characterization will identify areas where the stream has been straightened and shortened, pattern of stream movement, dynamics of the channel and identification of factors causing the current degradation (bank erosion and down cutting) of the stream channel. A proposal for restoration of the area will provided.

Project Ref	Grantee	Project Name	State
OWEB 200-028	OWEB	Lower Nehalem WSC RARE/Technical Ast	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	20-MAR-01-28-MAR-02	Watershed and Sub-basin Planning and Assessment	$18,906	$0	Northern Oregon Coastal

Project Description

This project would fund a second year of community assistance by a RARE intern. The RARE intern would develop an action plan according to established priorities and time lines. In addition, assistance is necessary to manage the Nehalem assessment GIS data base, Collect new watershed health related data, perform routine outreach tasks, recruit volunteers and tend to daily council affairs.

Project Ref	Grantee	Project Name	State
OWEB 200-036	OWEB	Tenmile Lakes' Basin WSA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	08-MAR-01-16-OCT-03	Watershed and Sub-basin Planning and Assessment	$40,703	$0	Southern Oregon Coastal

Project Description

Project will support Phase II of the Watershed Council's Watershed Assessment and the preliminary work of updating outdated action Plan. Phase II is necessary to assess the final five subbasins (Blacks, Benson, Roberts, Shutters, and Wilkins Creek). This assessment will be conducted by following the OWEB Assessment Manual and will incorporate public, agency, and stakeholder views through a series of public meetings.

Project Ref	Grantee	Project Name	State
OWEB 200-040	OWEB	Illinois Valley Ground Water Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	19-JUL-01-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$86,609	$0	Southern Oregon Coastal

Project Description

Assess the ground water resource in the Illinois Valley with the intent to identify useable quantities of ground water which will allow us to achieve the following three goals: 1) removal of pushup dams in priority streams, 2) increase surface water flows to priority streams, and 3) increase irrigation efficiency through the use of pressurized irrigation systems.

Project Ref	Grantee	Project Name	State
OWEB 200-041	OWEB	Little Butte Creek Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-APR-01-01-SEP-03	Watershed and Sub-basin Planning and Assessment	$58,625	$0	Southern Oregon Coastal

Project Description

The original LBCW Assessment was completed in 1994 and has been our basis for project development and implementation since that time. It is a sound document as far as it goes, however since that time the Oregon Watershed Assessment Manual has been developed using science-based components that we now need to add to our original Assessment/Action plan for more in-depth analysis on which to determine the priority of our work. This product will be fully digitized and available on CD ROM.

Project Ref	Grantee	Project Name	State
OWEB 200-043	OWEB	Umpqua Basin Assmt/Action Plan, Phase II	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	18-JUL-01-17-DEC-03	Watershed and Sub-basin Planning and Assessment	$119,990	$0	Southern Oregon Coastal

Project Description

The project will gather data from five watersheds, analyze it, and prepare five watershed assessments. These will include action plans, which will be used by the Umpqua Basin Watershed Council to help prioritize projects.

Project Ref	Grantee	Project Name	State
OWEB 200-065	OWEB	Fishery Biologist Support 2001-2003	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	27-JUN-01-15-APR-02	Watershed and Sub-basin Planning and Assessment	$20,000	$0	Southern Oregon Coastal

Project Description

This project proposes to continue the funding for Sam Dunnavant, ODFW/UBWC fish biologist, from April 1, 2001 through June 30, 2003. Sam was first funded by a watershed council originating NMFS/OWEB grant #97-901 in May, 1998. A follow-up OWEB grant #99-021 was requested and approved in 1999 and is still in affect. This grant fell short of funding Sam through the 99-01 biennium due to a pay raise and cola adjustments, consequently the need to add the period April through June, 2001 to this new proposal.

Project Ref	Grantee	Project Name	State
OWEB 200-089	OWEB	Thomas Creek Mainstream Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	11-APR-01-09-JUN-03	Watershed and Sub-basin Planning and Assessment	$43,277	$0	Willamette

Project Description

Our approach continues to study begun in May 2000, to measure seasonal changes in water quality, temperature and fish habitat in Thomas Creek (Santiam basin). It addresses five priority actions identified by the South Santiam Watershed Council. We also identify factors limiting ESA- listed salmonids in Thomas Creek by assessing fish abundance. Aquatic and riparian invertebrate availability, and salmonid movement and habitat use.

Project Ref	Grantee	Project Name	State
OWEB 200-093	OWEB	McKenzie- Willamette River Habitat River Enhancement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	21-MAR-01-30-JUL-02	Watershed and Sub-basin Planning and Assessment	$105,589	$0	Willamette

Project Description

The McKenzie Watershed Council, in collaboration with local aggregate operators and other interests, is engaged in a comprehensive process to enhance/protect the aquatic and riparian-flood plain habitat adjacent to the confluence area of the McKenzie and Willamette rivers. The proposed project will build on completed fish & wildlife habitat and hydraulic assessments to develop, and begin to implement, a comprehensive and coordinated action/monitoring plan for enhancing fish and wildlife habitat in the area.

Project Ref	Grantee	Project Name	State
OWEB 200-095	OWEB	Middle Fork Willamette WSA (balance in 201-556)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	05-JAN-01-12-DEC-02	Watershed and Sub-basin Planning and Assessment	$82,847	$0	Willamette

Project Description

The assessment will help the council fill primary existing data gaps by focusing on the lower 13% of the watershed, which is largely privately owned land along the mainstem river and lower reaches of the 2 major tributaries entering below Dexter reservoir. Results will directly support 4 of the council's 9 goals. Filling this gap is essential to future completion of a comprehensive integrated assessment of the entire watershed.

Project Ref	Grantee	Project Name	State
OWEB 200-100A	OWEB	Land Acquisition West Eugene Wetlands/Review Appraisal	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	28-NOV-00-28-NOV-00	Watershed and Sub-basin Planning and Assessment	$0	$1,710	Willamette

Project Description

Review Appraisal for 200-100.

Project Ref	Grantee	Project Name	State
OWEB 200-101A	OWEB	Coffin Butte Acquisition/Review Appraisal	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	24-NOV-00-24-NOV-00	Watershed and Sub-basin Planning and Assessment	$0	$650	Willamette

Project Description

Review Appraisal for 200-101.

Project Ref	Grantee	Project Name	State
OWEB 200-103A	OWEB	Owens Farm/Jackson & Fraizer Creeks Acq/Review Appraisal	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	27-NOV-00-13-JUN-01	Watershed and Sub-basin Planning and Assessment	$0	$1,560	Willamette

Project Description

Review Appraisal for 200-103.

Project Ref	Grantee	Project Name	State
OWEB 200-104A	OWEB	Willamette River Gallery Forest Protection Project/Review Ap	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	24-NOV-00-24-NOV-00	Watershed and Sub-basin Planning and Assessment	$0	$650	Willamette

Project Description

Review Appraisal for 200-104.

Project Ref	Grantee	Project Name	State
OWEB 200-130	OWEB	Hay/Scott Canyon WS Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	14-SEP-01-28-JUL-03	Watershed and Sub-basin Planning and Assessment	$21,400	$0	John Day

Project Description

The Hay/Scout Canyon working group has identified goals and concerns and inventoried what has previously been done in their watershed. They have requested that a watershed assessment be done which will identify key resource issues and values, evaluate the physical, biological and ecological processes effecting the resources and recognizes concerns and opportunities, and what can be and needs to be done in a systematic disciplined approach.

Project Ref	Grantee	Project Name	State
OWEB 200-135A	OWEB	Land Acquisitions at Sycan,Upper Sycan and Klamath/Review Ap	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	07-FEB-01-07-FEB-01	Watershed and Sub-basin Planning and Assessment	$0	$630	Klamath

Project Description

Review Appraisal for 200-135.

Project Ref	Grantee	Project Name	State
OWEB 200-136	OWEB	Wetland Restoration for the Willamson River Delta	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	20-MAR-01-30-JUN-04	Watershed and Sub-basin Planning and Assessment	$0	$87,450	Klamath

Project Description

Since 1996, The Nature Conservancy and 7 partners (Klamath Tribes, USFWS, Bureau of Reclamation, National Resource Conservation service, Pacificcorp, Cell Tech and National Fish and Wildlife Foundation) have been restoring approximately 3,700 acres of wetland and riverine habitat at Tulana Farms along the lower 4 miles of the Williamson River Delta under one ownership, with the opportunity to develop a comprehensive approach to restoring the entire delta, with the goal of providing habitat to endangered fish (Lost River and shortnose suckers) and improving water quality in Upper Klamath Lake. This project seeks to assist in building technical layers, conduct engineering assessments, and expand our existing hydrodynamic model of this site.

Project Ref	Grantee	Project Name	State
OWEB 200-153	OWEB	Lostine Watershed Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	11-SEP-01-31-MAR-04	Watershed and Sub-basin Planning and Assessment	$32,500	$0	Lower Snake

Project Description

This application requests funding to complete a Watershed Analysis in the Lostine River Watershed. The analysis will be completed utilizing the "Oregon Watershed Assessment Manual" guidelines. The funds requested will be used for assessment of private lands within the Lostine drainage.

Project Ref	Grantee	Project Name	State
OWEB 200-163	OWEB	Wallowa County Tax Lot Digitization	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	20-FEB-01-14-NOV-02	Watershed and Sub-basin Planning and Assessment	$0	$25,000	Lower Snake

Project Description

Wallowa County is working with the US Forest Service to see how we can improve watershed assessment, education, and monitoring processes. The Wallowa County Planning dept is proposing to have the Assessor's plat maps digitized for a countywide geographic information system (GIS). Because of the amount of private land ownership along waterways in Wallowa County, a countywide GIS tax lot layer is required before accurate and complete watershed data can be stored, analyzed, and accessed efficiently.

Project Ref	Grantee	Project Name	State
OWEB 200-163A	OWEB	Wallowa County Tax Lot Digitization	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	20-FEB-01-14-NOV-02	Watershed and Sub-basin Planning and Assessment	$0	$25,000	Lower Snake

Project Description

Same as 200-163. Change in fund source.

Project Ref	Grantee	Project Name	State
OWEB 200-177	OWEB	Addendum to Poison Creek Slough GPA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	02-FEB-01-16-OCT-03	Watershed and Sub-basin Planning and Assessment	$0	$7,700	Oregon Closed Basins

Project Description

Since Application No. 99-579 (Poison Creek & Malheur Slough Project) has been approved, we have been asked by the County Court to include Township 22 South, Range 30 East into the planning process. The township includes Five Mile Dam and Foley Slough. Flows from these structures historically go to the Poison Creek. Some channel maintenance complaints have been received.

Project Ref	Grantee	Project Name	State
OWEB 200-183	OWEB	Project Engineering Wallowa Lake Dam Rehabilitation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	05-JAN-01-05-MAR-02	Watershed and Sub-basin Planning and Assessment	$0	$70,000	Lower Snake

Project Description

This important regional project involves providing the engineering analysis for completion of substantial improvements to the existing Dam, which are critical to ensure the continued operation of the Dam. The Dam suffers from 95 years of normal wear and tear, resulting in the deterioration of the surface and cracks working their way into the structure. Left unchecked eventually water will begin leaking through the dam and the rate of deterioration will increase rapidly.

Project Ref	Grantee	Project Name	State
OWEB 200-204	OWEB	Wetland Reserve Program (Pay this Portion 1st)	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-APR-01-01-OCT-02	Watershed and Sub-basin Planning and Assessment	$0	$26,430	Oregon

Project Description

Wetlands Reserve Program (WRP) easement acquisition staffing.

Project Ref	Grantee	Project Name	State
OWEB 200-204B	OWEB	Wetland Preserve Program (Balance 200-204)	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-APR-01-01-OCT-02	Watershed and Sub-basin Planning and Assessment	$0	$10,070	Oregon

Project Description

Wetlands Reserve Program (WRP) easement acquisition staffing.

Project Ref	Grantee	Project Name	State
OWEB 200-208	OWEB	Lower Nehalem-Survey and Design-Fish Passage and Esturary Re	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	20-JUN-01-02-DEC-02	Watershed and Sub-basin Planning and Assessment	$0	$6,325	Northern Oregon Coastal

Project Description

In the north coast natural resource agencies are unable to meet the growing needs of watershed councils to survey sites and engineer restoration design solutions. The LNWC seeks OWEB support for funding to cover costs of hiring survey crew/s and restoration design engineer/s to develop 5 biddable plans to remove barriers to fish passage to high priority stream reaches and develop 3 design options for public review for restoring 200 acres if estuary habitat in the Gallagher Slough.

Project Ref	Grantee	Project Name	State
OWEB 200-209	OWEB	Samson Creek Fish Passage Phase 1	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	25-JUN-01-28-MAY-02	Watershed and Sub-basin Planning and Assessment	$10,550	$0	Northern Oregon Coastal

Project Description

Compliance with the OWEB review team recommendation to prior Samson Creek Fish Passage grant application will require an Engineer's design for proper culvert replacement. The project will be two phase, phase I -Engineering and design and phase II-replacement to allow coho, chinook, chum, steelhead, and cutthroat adult and juvenile passage at all times and all flows. Partners include Tillamook County Public Works & Performance Partnership, ODFW, watershed council members and private landowners.

Project Ref	Grantee	Project Name	State
OWEB 200-213	OWEB	Design/Bioengineering Assistance to 3 Watershed Councils	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	20-JUN-01-04-OCT-02	Watershed and Sub-basin Planning and Assessment	$26,185	$0	Lower Columbia

Project Description

There exists a critical need for bioengineering design of fish passage barrier removal and sedimentation reduction projects in each of three active watershed council areas in Columbia County. Projects in these watersheds are currently backlogged due to lack of funding for securing technical assistance and a lack of available agency technical staff.

Project Ref	Grantee	Project Name	State
OWEB 200-215	OWEB	Fish Passage Permits 2001-02	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	18-JUN-01-12-NOV-02	Watershed and Sub-basin Planning and Assessment	$3,650	$0	Southern Oregon Coastal

Project Description

This project will support County permit costs for the Council's Fish Passage and Sediment Abatement project 2001-02. This costs include: 5 Conditional Use Permits ($300/each), 5 Flood Certifications and associated engineer costs ($50 for cert. and approximately $750/certification for engineering), and 5 Riparian Variances at $50 each to be paid to Coos County.

Project Ref	Grantee	Project Name	State
OWEB 200-216	OWEB	CREP Technician	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	11-JUL-01-10-DEC-02	Watershed and Sub-basin Planning and Assessment	$25,000	$0	Southern Oregon Coastal

Project Description

This project will fund a technician to promote and implement the Conservation Reserve Enhancement Program in Douglas County. The USDA Natural Resources Conservation Service and Farm Services Agency will provide an office and supplies as well as personnel support for expansion of the CREP Program in the Umpqua Basin.

Project Ref	Grantee	Project Name	State
OWEB 200-218	OWEB	Bear Creek/Two Mile Creek Wetland Enhancement Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	21-JUN-01-18-JUN-03	Watershed and Sub-basin Planning and Assessment	$11,200	$0	Southern Oregon Coastal

Project Description

CWA is requesting assistance to hire a consultant to conduct elevational land survey work to complete designs for two projects; a wetland enhancement project, and off channel habitat project.

Project Ref	Grantee	Project Name	State
OWEB 200-220	OWEB	Illinois Valley Technical Assistance	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	19-JUL-01-22-AUG-02	Watershed and Sub-basin Planning and Assessment	$0	$32,000	Southern Oregon Coastal

Project Description

This project proposes to complete 3 Resource Management System (RMS) Plans to NRCS standards and specifications, complete the final design for an alternative to a push-up dam project, survey and certified water rights work for 2 other alternative to push-up dam projects. The RMS plans are being written for 3 landowners involved in an alternative to push-up dam project funded by OWEB.

Project Ref	Grantee	Project Name	State
OWEB 200-221	OWEB	Curry Technical Assistance	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	08-NOV-01-23-SEP-03	Watershed and Sub-basin Planning and Assessment	$28,500	$0	Southern Oregon Coastal

Project Description

We need technical assistance for fish passage improvements, riparian assessments, and geomorphology/sediment evaluations. We cover 1/4 of the Oregon Coast.

Project Ref	Grantee	Project Name	State
OWEB 200-222	OWEB	DSWCD/UBWC Joint Technical Assistance Projects	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	10-OCT-01-29-JUL-02	Watershed and Sub-basin Planning and Assessment	$36,000	$0	Southern Oregon Coastal

Project Description

This project will provide funding for technical assistance for on- the- ground projects. The technical assistance will be provided by UBWC and DSWCD staff. The workload has been technical assistance will be used as match funding with other funding sources.

Project Ref	Grantee	Project Name	State
OWEB 200-223	OWEB	Technical design for watershed restoration projects.	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	22-JUN-01-08-AUG-03	Watershed and Sub-basin Planning and Assessment	$13,259	$0	Willamette

Project Description

Technical assistance is needed to expand the LSWCD's ability to address water quality related to agriculture under SB1010. Assist Local Advisory Committee to develop Administrative Rules and Plans which address watershed health and function under SB1010. Assist South Santiam Watershed Council and Calapooia Watershed Council with Watershed Assessment and the development/implementation of Action Plans. To address the backlog of Watershed Restoration Projects and CREP's Conservation plans.

Project Ref	Grantee	Project Name	State
OWEB 200-226	OWEB	Long Tom Fish Passage and Culvert Assesment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-30-AUG-03	Watershed and Sub-basin Planning and Assessment	$12,620	$0	Willamette

Project Description

The technical assistance requested for this project will result in the development of analysis and design specifications that will allow fish passage from the historic Long Tom River near Ferguson Creek into the current mainstem of the Long Tom. The project will also develop solutions to prevent flooding on productive agricultural lands along the historic Long Tom channel.

Project Ref	Grantee	Project Name	State
OWEB 200-229	OWEB	Scappoose Bay Fish Barrier Passage Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	08-JUL-01-16-AUG-02	Watershed and Sub-basin Planning and Assessment	$39,600	$0	Willamette

Project Description

The purpose of this project is to develop engineering designs for the top ten fish passage barriers as prioritized in the Comprehensive Assessment of Fish Passage Barriers in the Scappoose Bay Watershed report. These engineering designs will be used to obtain funding to restore fish passage to many miles of streams in this watershed. A technical advisor team of agency experts and stakeholders will develop and review all aspects of this project.

Project Ref	Grantee	Project Name	State
OWEB 200-231	OWEB	Watershed Technical Specialist	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	19-JUN-01-15-AUG-02	Watershed and Sub-basin Planning and Assessment	$18,000	$0	Willamette

Project Description

This project would proved technical assistance to 4 EQIP funded plans with structural practices, 1 LTA with structural practice, 1 ACP structural practice, 3 future EQIP plans with structural practices which require RMS plans and Water Management Plans, 2 unfinished RMS plans and 1 new RMS plan and do follow up on 10 existing LTA's and 5 EQIP contracts. This would eliminate the backlog of approved projects for cost share that have not received technical assistance. The Long Term Agreements and ACP date to 1995 or prior.

Project Ref	Grantee	Project Name	State
OWEB 200-232	OWEB	Technical Assistance	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	20-JUN-01-12-AUG-02	Watershed and Sub-basin Planning and Assessment	$12,469	$0	Willamette

Project Description

Project 1- In Rickreall Creek are hundreds of tires that were dumped years ago. The tires have become part of the environment and habitat. A geomorphologist is needed to review the impacts of removing the tires. Project 2-the Arboretum project requires a fluvial geomorphologist to determine appropriate stabilization methods. Project 3-a consultant is needed to analyze and record current conditions of Rickreall Creek, mapping it with GPS. This will provide inventory data that will be used in the RWC action plan.

Project Ref	Grantee	Project Name	State
OWEB 200-233	OWEB	Millican Creek Fish Passage Design	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-01-12-APR-02	Watershed and Sub-basin Planning and Assessment	$7,100	$0	Willamette

Project Description

Millican Creek drains a small watershed (about 2500) into the Yamhill River south of Lafayette. There are two fish barriers which prohibit movement of winter steelhead and cutthroat trout. One is located at the Oak Springs Farm Road crossing which was rated as a medium priority by ODFW for replacement. The second is on private land 0.6 miles upstream and is an old mill pond dam with an eleven foot drop in elevation. This proposal would provide resources to design fish passage alternatives for these sites which would open over 6 miles of stream for fish. Yamhill Basin council, Yamhill SWCD, and Yamhill county Public Works will seek funding to implement the project designs that are developed.

Project Ref	Grantee	Project Name	State
OWEB 200-236	OWEB	Chewaucan River Paisley Town Weir Engineering and Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	09-JUL-01-20-MAY-03	Watershed and Sub-basin Planning and Assessment	$40,000	$0	Oregon Closed Basins

Project Description

Phase I of the project will consist of hiring an engineering firm to assess the integrity of the irrigation weir, stability of the Chewaucan River channel, develop alternative solutions that will provide fish passage and screening for redband trout while fulfilling the water rights of the water users. In addition, the document shall contain engineering data with associated costs. The assessment document will then be used to select a viable alternative solution to be implemented with additional funding sources.

Project Ref	Grantee	Project Name	State
OWEB 200-240	OWEB	Crooked River Restoration: Shared Hydrologst	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	25-JUN-01-26-JUN-03	Watershed and Sub-basin Planning and Assessment	$17,250	$0	Deschutes

Project Description

The Crooked River Watershed Council will share a new hydrologist position with the Ochoco National Forest. The hydrologist will spend one-third of their time designing council supported watershed restoration projects. The council has a backlog of priority projects with interested private landowners and has made improving technical capacity a high priority objective. The new hydrologist will also work with the interagency technical team and improve coordination of restoration efforts on public and private lands.

Project Ref	Grantee	Project Name	State
OWEB 200-241	OWEB	Morrow/Umatilla Conservation Technical Assistance	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	19-JUN-01-30-JUN-04	Watershed and Sub-basin Planning and Assessment	$27,000	$0	Middle Columbia

Project Description

A Conservation Technician will be hired and survey equipment purchased to address backlog of landowner requests for assistance on Animal Feeding Operations and/or winter feeding operation re-locations in Umatilla County and 1/2 Morrow County and assist landowners to access potential funding sources such as CCRP and CREP for project implementation. This Grant and a similar request from Gilliam SWCD are a basin-wide effort to address an expanding awareness of the requirements of the federal Clean Water Act.

Project Ref	Grantee	Project Name	State
OWEB 200-242	OWEB	Technical Assistance Grande Ronde	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	02-NOV-01-09-JAN-03	Watershed and Sub-basin Planning and Assessment	$34,000	$0	Lower Snake

Project Description

Assistance is needed to help cover the workload created form increased OWEB grants and CREP signups along with the permitting process. The person hired will need to have a background in conservation practices and designs, survey knowledge, writing capabilities, and computer skills. The added technical assistance will improve the Union SWCD ability to handle the increased workload presented which will result in more stream miles treated. The added equipment will enable the technical person to schedule and accomplish work in the field without having to wait for equipment. The equipment will allow flexibility to accomplish the work on an as needed basis.

Project Ref	Grantee	Project Name	State
OWEB 200-243	OWEB	Gilliam/Morrow Conservation Technical Assistance	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	24-JUL-01-30-JUN-04	Watershed and Sub-basin Planning and Assessment	$0	$33,000	John Day

Project Description

A Conservation Technician will be hired and equipment purchased or leased to respond to landowner requests for technical assistance on Animal Feeding Operations and/or winter feeding area re-locations in Gilliam County and western Morrow County. Technician assists landowners in securing financial resources using CCRP and CREP for project implementation. This grant and a similar request from Umatilla SWCD are a basin-wide effort to address an expanding awareness of the requirements of the federal Clean Water Act.

Project Ref	Grantee	Project Name	State
OWEB 200-264	OWEB	Bureau of Reclamation-Rogue R. Engineer Position	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	07-JAN-00-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$0	$75,000	Southern Oregon Coastal

Project Description

Technical assist for fish passage issues in the Rogue river basin.

Project Ref	Grantee	Project Name	State
OWEB 200-265	OWEB	Irrigation Engineer Salary in Medford Service Center	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-SEP-99-12-JUL-01	Watershed and Sub-basin Planning and Assessment	$32,112	$0	Southern Oregon Coastal

Project Description

Fund irigation engineer in Medfors service center for the 2001 fiscal year

Project Ref	Grantee	Project Name	State
OWEB 201-004A	OWEB	Nehalem Watershed Health - Upper & Lower Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-30-OCT-03	Watershed and Sub-basin Planning and Assessment	$6,150	$0	Northern Oregon Coastal

Project Description

Same as 201-004. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-005A	OWEB	Siuslaw Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-24-SEP-03	Watershed and Sub-basin Planning and Assessment	$6,500	$0	Northern Oregon Coastal

Project Description

Same as 201-005. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-013A	OWEB	Lower Rogue Watershed Council Coordinator 2001-2003	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-03-OCT-03	Watershed and Sub-basin Planning and Assessment	$5,000	$0	Southern Oregon Coastal

Project Description

Same as 201-013. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-014A	OWEB	Tenmile Lakes Basin Partnership-Council Support 2001-2003	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-24-AUG-03	Watershed and Sub-basin Planning and Assessment	$5,000	$0	Southern Oregon Coastal

Project Description

Same as 201-014. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-017A	OWEB	Illinois Valley Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$5,000	$0	Southern Oregon Coastal

Project Description

Same as 201-017. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-018A	OWEB	Coquille Watershed Council Support 200-2002	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-06-OCT-03	Watershed and Sub-basin Planning and Assessment	$24,499	$0	Southern Oregon Coastal

Project Description

Same as 201-018. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-020A	OWEB	Middle Rogue WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-05-SEP-03	Watershed and Sub-basin Planning and Assessment	$5,000	$0	Southern Oregon Coastal

Project Description

Same as 201-020. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-021A	OWEB	Bear Creek Watershed Council Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-24-AUG-03	Watershed and Sub-basin Planning and Assessment	$5,000	$0	Southern Oregon Coastal

Project Description

Same as 201-021. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-022A	OWEB	South Coast Watershed Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-17-JUL-03	Watershed and Sub-basin Planning and Assessment	$5,000	$0	Southern Oregon Coastal

Project Description

Same as 201-022. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-023A	OWEB	Little Butte Creek Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-09-OCT-03	Watershed and Sub-basin Planning and Assessment	$5,000	$0	Southern Oregon Coastal

Project Description

Same as 201-023. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-024B	OWEB	Mary's River WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-02-JUL-03	Watershed and Sub-basin Planning and Assessment	$0	$0	Willamette

Project Description

Same as 201-024. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-025A	OWEB	North Santiam Watershed Council Support & Coordination Grant	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-09-OCT-03	Watershed and Sub-basin Planning and Assessment	$6,000	$0	Willamette

Project Description

Same as 201-025. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-027A	OWEB	Coast Fork Willamette WSC Coordination & Administration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-03-SEP-03	Watershed and Sub-basin Planning and Assessment	$6,000	$0	Willamette

Project Description

Same as 201-027. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-028A	OWEB	Calapooia Watershed Council Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-29-JUL-03	Watershed and Sub-basin Planning and Assessment	$41,131	$0	Willamette

Project Description

Same as 201-028. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-029B	OWEB	Yamhill Basin WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-07-AUG-03	Watershed and Sub-basin Planning and Assessment	$6,000	$0	Willamette

Project Description

Same as 201-029. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-030A	OWEB	Long Tom Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-29-SEP-03	Watershed and Sub-basin Planning and Assessment	$6,000	$0	Willamette

Project Description

Same as 201-030. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-031A	OWEB	Scappoose Bay WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-14-JUL-03	Watershed and Sub-basin Planning and Assessment	$40,002	$0	Lower Columbia

Project Description

Same as 201-031. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-032A	OWEB	Johnson Creek Watershed Council Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-16-OCT-03	Watershed and Sub-basin Planning and Assessment	$6,000	$0	Lower Columbia

Project Description

Same as 201-032. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-033A	OWEB	Sandy River Basin WSC Coordinator Support Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$6,000	$0	Lower Columbia

Project Description

Same as 201-033. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-034A	OWEB	Tualatin River Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-19-AUG-03	Watershed and Sub-basin Planning and Assessment	$6,000	$0	Lower Columbia

Project Description

Same as 201-034. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-035A	OWEB	Columbia Slough WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-09-OCT-03	Watershed and Sub-basin Planning and Assessment	$5,951	$0	Lower Columbia

Project Description

Same as 201-035. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-036A	OWEB	Middle Fork Willamette WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-13-AUG-03	Watershed and Sub-basin Planning and Assessment	$6,000	$0	Willamette

Project Description

Same as 201-036. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-037A	OWEB	South Santiam Watershed Council (SSWC) Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-14-AUG-03	Watershed and Sub-basin Planning and Assessment	$6,000	$0	Willamette

Project Description

Same as 201-037. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-038A	OWEB	Clackamas River Basin Council	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-19-AUG-03	Watershed and Sub-basin Planning and Assessment	$6,000	$0	Lower Columbia

Project Description

Same as 201-038. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-039A	OWEB	Greater Salem Area WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-15-OCT-03	Watershed and Sub-basin Planning and Assessment	$6,000	$0	Willamette

Project Description

Same as 201-039. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-040A	OWEB	Rickreall WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-16-JAN-03	Watershed and Sub-basin Planning and Assessment	$6,000	$0	Willamette

Project Description

Same as 201-040. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-042A	OWEB	Crooked River Watershed Council Coordinator Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-04-AUG-03	Watershed and Sub-basin Planning and Assessment	$6,628	$0	Deschutes

Project Description

Same as 201-042. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-043A	OWEB	Council Support Project Upper Deschutes Watershed Council	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-03-29-JUL-03	Watershed and Sub-basin Planning and Assessment	$13,322	$0	Deschutes

Project Description

Same as 201-043. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-049A	OWEB	Harney County Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-20-NOV-03	Watershed and Sub-basin Planning and Assessment	$2,781	$0	Oregon Closed Basins

Project Description

Same as 201-049. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-051A	OWEB	Malheur-Owhyhee WSC Coordinator & Technical Support	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-08-SEP-03	Watershed and Sub-basin Planning and Assessment	$2,781	$0	Middle Snake-Boise

Project Description

Same as 201-051. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-052A	OWEB	C/O moved to 204-054A	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-29-AUG-03	Watershed and Sub-basin Planning and Assessment	$0	$0	Middle Columbia

Project Description

Same as 201-052. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-053A	OWEB	Umatilla Basin Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-10-JUL-03	Watershed and Sub-basin Planning and Assessment	$2,781	$0	Middle Columbia

Project Description

Same as 201-053. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-054A	OWEB	Carryover moved to 204-052	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-28-JUL-03	Watershed and Sub-basin Planning and Assessment	$0	$0	John Day

Project Description

Same as 201-054. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-055A	OWEB	Powder Basin Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-09-SEP-03	Watershed and Sub-basin Planning and Assessment	$2,781	$0	Middle Snake-Powder

Project Description

Same as 201-055. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-057A	OWEB	Grande Ronde Model Watershed Program Administration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-21-MAR-03	Watershed and Sub-basin Planning and Assessment	$2,781	$0	Lower Snake

Project Description

Same as 201-057. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-059A	OWEB	Coos Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$11,662	$0	Southern Oregon Coastal

Project Description

Same as 201-059. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 201-172	OWEB	Pudding River WS Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	25-JAN-02-03-SEP-02	Watershed and Sub-basin Planning and Assessment	$62,250	$0	Willamette

Project Description

Obtain a full time coordinator to assist the watershed council in implementing an annual work plan, developing an educational outreach program, and assessing water quality monitoring needs in the watershed.

Project Ref	Grantee	Project Name	State
OWEB 201-371	OWEB	Upper So Fork of the John Day River WS Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	12-DEC-01-31-OCT-03	Watershed and Sub-basin Planning and Assessment	$40,220	$0	John Day

Project Description

The project proposes to conduct an assessment using the protocols described in the OWEB Watershed Assessment Manual. The objective of the assessment is to synthesize, organize, analyze and interpret existing information from a number of sources to accurately characterize the current physical, chemical and biological conditions of the upper South Fork John Day River.

Project Ref	Grantee	Project Name	State
OWEB 201-405	OWEB	FSOS Technical Assistance Clearing House	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	31-JUL-01-23-JUL-02	Watershed and Sub-basin Planning and Assessment	$4,086	$0	Oregon

Project Description

Develop model for technical assistance.

Project Ref	Grantee	Project Name	State
OWEB 201-405A	OWEB	FSOS Technical Assistance Clearing House	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	31-JUL-01-16-JUL-03	Watershed and Sub-basin Planning and Assessment	$25,906	$0	Oregon

Project Description

Develop model for technical assistance.

Project Ref	Grantee	Project Name	State
OWEB 201-468	OWEB	Johnson Creek Action Plan	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	07-FEB-02-31-OCT-03	Watershed and Sub-basin Planning and Assessment	$46,513	$0	Lower Columbia

Project Description

This project will develop the first integrated assessment and action plan for the Johnson Creek watershed using the Oregon Watershed Assessment Manual. The project will compile existing information as a baseline, identify data gaps, develop prioritized restoration/protection action items and a list of projects, and develop landowner/stakeholder funding partnership strategies. OWEB funds are requested for a part-time project manager, technical consultation, office supplies, postage, printing, general production, maps and workshops.

Project Ref	Grantee	Project Name	State
OWEB 201-511	OWEB	Watersheds Assessment #3 Powder River Powder Valley	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	11-MAR-02-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$17,682	$0	Middle Snake-Powder

Project Description

This project will complete the assessment of the Powder Valley subbasin, an area covering 293 square miles or approximately 188,000 acres. Sources of information include DEQ, ODFW, ODF, DSL, OWRD, USFS, EPA, BLM, BOR, USFW, NRCS, Baker and Union SWCD's and the local governments. OWEB funds are requested for the contract assessment writer, public outreach expenses, technical computer and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-553	OWEB	White River & The Dalles Assessments	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	08-NOV-01-30-JUN-04	Watershed and Sub-basin Planning and Assessment	$80,000	$0	Deschutes

Project Description

White River & The Dalles Assessments

Project Ref	Grantee	Project Name	State
OWEB 201-725	OWEB	Watershed Assess Manual-PSC(Estuary Component)	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	26-FEB-02-10-JUL-03	Watershed and Sub-basin Planning and Assessment	$31,800	$0	Oregon

Project Description

Watershed Assessment Manual

Project Ref	Grantee	Project Name	State
OWEB 201-738	OWEB	Long Tom Watershed Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-AUG-02-30-OCT-03	Watershed and Sub-basin Planning and Assessment	$1,000	$0	Willamette

Project Description

Assessment for the Long Tom

Project Ref	Grantee	Project Name	State
OWEB 201-740	OWEB	Luckiamute WS Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	17-SEP-02-21-NOV-03	Watershed and Sub-basin Planning and Assessment	$382	$0	Willamette

Project Description

Start up cost for the Luckiamute watershed council.

Project Ref	Grantee	Project Name	State
OWEB 203-900	OWEB	Funding for Regional Priorities	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-MAR-03-31-JAN-04	Watershed and Sub-basin Planning and Assessment	$50,000	$0	Oregon

Project Description

Develop statewide funding priorities

Project Ref	Grantee	Project Name	State
OWEB 203-900A	OWEB	Funding for Regional Priorities	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-03-30-OCT-03	Watershed and Sub-basin Planning and Assessment	$18,000	$0	Oregon

Project Description

Develop statewide funding priorities

Project Ref	Grantee	Project Name	State
OWEB 203-900A	OWEB	Funding for Regional Priorities	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	20-MAY-03-31-JAN-04	Watershed and Sub-basin Planning and Assessment	$12,000	$0	Oregon

Project Description

Develop statewide funding priorities

Project Ref	Grantee	Project Name	State
OWEB 203-900B	OWEB	Funding for Regional Priorities	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Watershed and Sub-basin Planning and Assessment	$70,000	$0	Oregon

Project Description

Develop statewide funding priorities

Project Ref	Grantee	Project Name	State
OWEB 203-911	OWEB	CREP Valuation Study	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	07-MAY-03-15-JAN-03	Watershed and Sub-basin Planning and Assessment	$8,000	$0	Oregon

Project Description
CREP Valuation Study

Project Ref	Grantee	Project Name	State
OWEB 204-030B	OWEB	North Santiam WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$19,262	$0	Willamette

Project Description
2003-05 Council Support for North Santiam WSC

Project Ref	Grantee	Project Name	State
OWEB 204-031B	OWEB	Pudding River WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$7,375	$0	Willamette

Project Description
2003-05 Council Support for Pudding River WSC

Project Ref	Grantee	Project Name	State
OWEB 204-051B	OWEB	Malheur WSC Support C/O 01-03	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$8,000	$0	Oregon Closed Basins

Project Description
2003-05 Council Support for Malheur WSC

Project Ref	Grantee	Project Name	State
OWEB 204-052B	OWEB	North Fork John Day WSC Support C/O 01-03	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$7,974	$0	John Day

Project Description
2003-05 Council Support for North Fork John Day WSC

Project Ref	Grantee	Project Name	State
OWEB 204-054B	OWEB	Walla Walla Basin WSC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$4,225	$0	Middle Columbia

Project Description
2003-05 Council Support for Walla Walla Basin WSC

Project Ref	Grantee	Project Name	State
OWEB 204-057B	OWEB	Powder Basin WSC Support C/O 01-03	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$6,917	$0	Middle Snake-Powder

Project Description
2003-05 Council Support for Powder Basin WSC

Project Ref	Grantee	Project Name	State
OWEB 204-913	OWEB	WSC Support RAC Costs	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	30-SEP-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$7,000	$0	Oregon

Project Description
WSC Support RAC Costs

Project Ref	Grantee	Project Name	State
OWEB 98-251A	OWEB	Wilson River Assessment/Action Plan	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	27-JAN-99-12-FEB-02	Watershed and Sub-basin Planning and Assessment	$4,059	$0	Northern Oregon Coastal

Project Description

A watershed assessment for the Wilson River.

Project Ref	Grantee	Project Name	State
OWEB 98-254A	OWEB	Miami River WS Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	27-JAN-99-12-FEB-02	Watershed and Sub-basin Planning and Assessment	$1,571	$0	Northern Oregon Coastal

Project Description

A watershed assessment for the Miami River Watershed.

Project Ref	Grantee	Project Name	State
OWEB 98-324A	OWEB	Middle Rogue WS Assessment/Action Plan	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	29-APR-99-27-AUG-03	Watershed and Sub-basin Planning and Assessment	$683	$0	Southern Oregon Coastal

Project Description

Middle Rogue WS Assessment/Action Plan

Project Ref	Grantee	Project Name	State
OWEB 99-004FF	OWEB	Sherman/Wasco County Watershed Council Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-11-SEP-01	Watershed and Sub-basin Planning and Assessment	$7,200	$0	Deschutes

Project Description

The Watershed Council Coordinator will be responsible for assisting all watershed councils administered through the Sherman or Wasco County Soil and Water Conservation Districts. Duties will include organizing meetings, distributing minutes and other mailings, applying for funds, monitoring, coordinating technical assistance, collecting information, and other administrative tasks. With the assistance of the SWCDs and other agencies, watershed councils represent stakeholders, including landowners, BLM, ODFW, cities, counties, tribes, etc., and set policy for their various watershed management projects.

Project Ref	Grantee	Project Name	State
OWEB 99-006FF	OWEB	Balance from 99-006 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-30-AUG-01	Watershed and Sub-basin Planning and Assessment	$58,760	$0	Middle Columbia

Project Description

Summary in 99-006. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-008FF	OWEB	North Santiam Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-20-JUL-01	Watershed and Sub-basin Planning and Assessment	$9,643	$0	Willamette

Project Description

This project will assist the North Santiam Watershed Council advance its goals to: Build Council structure and organization through the newly formed Steering Committee and four Standing committees: Data, Education, Planning & Implementation, Newsletter/Web site. Acquire funding for, and oversee, a Watershed Assessment. Identify and develop one or more landowner education/outreach project. Research and develop a "Draft" Coordinated Water Quality Monitoring Strategy, and secure funding to implement it.

Project Ref	Grantee	Project Name	State
OWEB 99-030FF	OWEB	Balance from 99-030 - NOAA FF	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-27-AUG-01	Watershed and Sub-basin Planning and Assessment	$47,538	$0	John Day

Project Description

The North Fork John Day Watershed Council seeks funding for maintaining their coordinator position. The coordinator solicits landowner participation for restoration and enhancement projects throughout the North/Middle Fork sub-basins and coordinates interagency support for development and construction. The coordinator facilitates meetings, forums and workshops. The coordinator works cooperatively with other watershed councils within the John Day Basin to recognize and address water quality problems. The coordinator writes and administers grants, works to outreach to communities and schools within the watershed, and aids individuals and organizations in their efforts to enhance and safeguard water quality within the North Fork Sub-basin. The coordinator is a Local Management Agency representative to the 1010 Basin Planning Committee.

Project Ref	Grantee	Project Name	State
OWEB 99-031FF	OWEB	Balance from 99-031 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-06-SEP-01	Watershed and Sub-basin Planning and Assessment	$51,393	$0	John Day

Project Description

Summary in 99-031. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-041FF	OWEB	Balance from 99-041 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-02-JUL-01	Watershed and Sub-basin Planning and Assessment	$19,436	$0	Deschutes

Project Description

Summary in 99-041. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-057FF	OWEB	Malheur-Owyhee WS Council Coord & Tech Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-10-OCT-01	Watershed and Sub-basin Planning and Assessment	$9,460	$0	Oregon Closed Basins

Project Description

The coordinator will facilitate and provide technical support to the Malheur-Owyhee Watershed Council, the Bully Creek Watershed Coalition and the Local Advisory Group. (SB 1010 plan development). Duties include: 1) implementing the Malheur and the Bully Creek Action Plans, 2) continue water quality monitoring and assessment of the Malheur River Drainage, 3) begin formation of the Owyhee component of the Council, 4) perform outreach for public awareness of watershed health issues, 5) pursue funding for projects, water quality monitoring, and PFC assessment in Bully Creek, and 6) facilitate project implementation with BCWC and MOWC members, and the BLM.

Project Ref	Grantee	Project Name	State
OWEB 99-061FF	OWEB	Johnson Crk WS Council Coord Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-30-JUL-01	Watershed and Sub-basin Planning and Assessment	$16,052	$0	Willamette

Project Description

The Johnson Creek Watershed Council has conducted a prioritized planning process which identified the need to increase public awareness and stakeholder involvement, expand watershed partnerships, and diversify Council financial support with the assistance of paid staff. Expanded resources will be utilized to address significant watershed challenges such as water quality, threatened species, flooding, and habitat restoration through integrated strategies involving local jurisdictions and stakeholders.

Project Ref	Grantee	Project Name	State
OWEB 99-062FF	OWEB	Hood River WS Group Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-31-JUL-01	Watershed and Sub-basin Planning and Assessment	$8,590	$0	Middle Columbia

Project Description

This project is to continue to fund a full-time coordinator for the Hood River Watershed Group (HRWG) and provide associated watershed council support for 2 years. The Coordinator will plan and conduct monthly council meetings, complete a Watershed Action Plan based on the Watershed Assessment in progress, conduct education and outreach activities, organize volunteer labor and assist on-the-ground projects, provide linkages among agencies and individuals in the watershed, and develop cooperative proposals for restoration and protection projects consistent with the Assessment and Action Plan.

Project Ref	Grantee	Project Name	State
OWEB 99-069FF	OWEB	Balance of 99-069 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-08-JUL-01	Watershed and Sub-basin Planning and Assessment	$17,592	$0	Southern Oregon Coastal

Project Description

Summary in 99-069. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-078FF	OWEB	TCWRC WSC Coord Services for Tillamook Cnty	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-18-SEP-01	Watershed and Sub-basin Planning and Assessment	$30,140	$0	Northern Oregon Coastal

Project Description

This project is to restore, maintain, and enhance the biological, chemical and physical integrity of riparian zones and associated uplands of the rivers and estuarine systems of Tillamook County by involving local community members. This proposal is part of a comprehensive effort to restore the health of the watersheds in Tillamook County that includes the following local/state/federal partners: Vice President Gore's National Partnership for Reinventing Government, Economic Development Council of Tillamook County, Tillamook Bay Community College, Tillamook Bay National Estuary Project, and Tillamook County Performance Partnership for Environmental Restoration and Economic Development. Each of these partners will work with local watershed councils through the watershed coordinator to improve the ecological health of the watersheds while developing he local economy and promoting social equity through opportunities in higher education and information technology.

Project Ref	Grantee	Project Name	State
OWEB 99-083FF	OWEB	Balance from 99-083 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-30-AUG-01	Watershed and Sub-basin Planning and Assessment	$8,740	$0	Southern Oregon Coastal

Project Description

A coordinator is needed to expand local partnerships in the community for long-term effectiveness. The Illinois Valley Watershed Council Coordinator has been effective in soliciting assistance from state and federal agencies for funding, engineering and technical expertise to complete watershed restoration projects. Thirty projects have been completed and another fifteen projects started. The coordinator is needed to complete projects that have been started and to develop new projects. The position is essential to complete a comprehensive watershed assessment and action plan with NRCS, BOR and USF & WS. Other responsibilities include administering and drafting grants and supervising employees. A volunteer program, basin-wide monitoring program, and projects that cross watershed boundaries need to be developed.

Project Ref	Grantee	Project Name	State
OWEB 99-085A	OWEB	Klamath WS Council Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-99-05-NOV-01	Watershed and Sub-basin Planning and Assessment	$6,868	$0	Klamath

Project Description

This project will provide a watershed council coordinator and general financial support for the Klamath Watershed Council and the seven-associated sub basin working groups.

Project Ref	Grantee	Project Name	State
OWEB 99-093FF	OWEB	Balance from 99-093 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-19-SEP-01	Watershed and Sub-basin Planning and Assessment	$21,062	$0	Northern Oregon Coastal

Project Description

Summary in 99-093. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-096FF	OWEB	Balance of 99-096 from FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-03-SEP-01	Watershed and Sub-basin Planning and Assessment	$3,783	$0	Northern Oregon Coastal

Project Description

Nestucca Neskowin Watershed Council proposes to hire a Technical Assistant to work with the Council to implement the Management and Action plan based on the Watershed Analysis completed in May 1998. Design and implement a Water Quality Monitoring Strategy for use on private land in the watersheds, continue planning and implementation of riparian habitat restoration projects, and assist the Council with information and education efforts to involve more landowner in Council activities.

Project Ref	Grantee	Project Name	State
OWEB 99-100FF	OWEB	S Santiam WSC Coordinator(Bal of 99-100)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-AUG-99-08-AUG-01	Watershed and Sub-basin Planning and Assessment	$12,315	$0	Willamette

Project Description

The project will advance the following South Santiam Watershed Council goals over the next two years: (1) Continue to implement conservation projects, developed in partnership with landowners and residents, which improve water quality and restore fish and wildlife habitat; (2) Continue and expand water quality monitoring program involving high schools and citizens; (3) Coordinate volunteer activities, (4) provide support for council operations and action plan; (5) Continue and expand public understanding of watershed issues through education programs; (6) Implement the South Santiam Watershed Council Action Plan and recommendations developed from the watershed assessment; and (7) Conduct outreach programs in the sub-basins.

Project Ref	Grantee	Project Name	State
OWEB 99-104FF	OWEB	Rickreall Basin Council Support-Bal in 99-104FF	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-02-AUG-01	Watershed and Sub-basin Planning and Assessment	$25,866	$0	Willamette

Project Description

The Watershed Coordinator will assist the Glenn/Gibson and Rickreall Watershed Councils advance its goals of: Build Council structure and organization through a steering committee from the Watershed Councils, acquire funding for, and oversee Watershed Assessments, identify projects of high visibility for community involvement, outreach, and education. Develop watershed action plans using council goals and objectives.

Project Ref	Grantee	Project Name	State
OWEB 99-105FF	OWEB	Request from 99-105 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-19-SEP-01	Watershed and Sub-basin Planning and Assessment	$86,269	$0	Lower Columbia

Project Description

Summary in 99-105. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-106FF	OWEB	Balance from 99-106 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-01-OCT-01	Watershed and Sub-basin Planning and Assessment	$63,518	$0	Deschutes

Project Description

Summary in 99-106. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-115FF	OWEB	Coos WS Association - Council Support 99	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-24-SEP-01	Watershed and Sub-basin Planning and Assessment	$4,235	$0	Southern Oregon Coastal

Project Description

This project supports core operational costs of the 5 year old council. Council has consistently demonstrated the ability to accomplish out reach, project development and coordination among state, federal, and private interests for improved watershed health. The project supports core office operations and staff, grant writing, and incidental public information activities (e.g., flyers, room rental for visit and public meeting with NMFS).

Project Ref	Grantee	Project Name	State
OWEB 99-120FF	OWEB	Balance of 99-120 paid from FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-05-OCT-01	Watershed and Sub-basin Planning and Assessment	$46,711	$0	Lower Columbia

Project Description

Summary in 99-120. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-123FF	OWEB	Balance of 99-123 paid from FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-13-SEP-01	Watershed and Sub-basin Planning and Assessment	$18,868	$0	Willamette

Project Description

Summary in 99-123. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-130FF	OWEB	Balance from 99-130 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-12-SEP-01	Watershed and Sub-basin Planning and Assessment	$102,962	$0	Northern Oregon Coastal

Project Description

Summary in 99-130. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-138FF	OWEB	Balance from 99-138 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-18-SEP-01	Watershed and Sub-basin Planning and Assessment	$16,702	$0	Lower Columbia

Project Description

Summary in 99-138. Different funding source. This grant proposal seeks two years of funding to continue the position of Coordinator for Clatsop County Watershed Councils. The coordinator proposes to assist the five established local watershed councils develop individual watershed action plans, QA/QC water quality monitoring plans, with an emphasis on salmonid habitat (limiting factors) and the prioritization of stream restoration projects. The coordinator proposes to continue to develop cooperative projects between local watershed councils, public education institutions, forestry industry, and local agencies. The coordinator proposes to assist local watershed councils acquire funds for restoration projects identified in individual watershed council action plans.

Project Ref	Grantee	Project Name	State
OWEB 99-144FF	OWEB	Balance from 99-144 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-10-JUL-01	Watershed and Sub-basin Planning and Assessment	$20,625	$0	Southern Oregon Coastal

Project Description

Summary in 99-144. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-153FF	OWEB	Yamhill Watershed Council Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-09-JUL-01	Watershed and Sub-basin Planning and Assessment	$10,358	$0	Willamette

Project Description

The Yamhill Watershed Action Plan implementation provides funding to continue employment of a watershed coordinator to staff the Yamhill Basin Council and continue the public outreach, project coordination and implementation activities of the Watershed Action Plan for Yamhill River and Chehalem Creek. The proposal also requests funds to hire a RARE participant to complete the Council's watershed assessment program of its fifth field watersheds.

Project Ref	Grantee	Project Name	State
OWEB 99-155FF	OWEB	Balance from 99-155 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-13-SEP-01	Watershed and Sub-basin Planning and Assessment	$77,056	$0	Northern Oregon Coastal

Project Description

Summary in 99-155. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-158FF	OWEB	Balance from 99-158 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-09-JUL-01	Watershed and Sub-basin Planning and Assessment	$42,150	$0	Oregon Closed Basins

Project Description

Summary in 99-158. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-162FF	OWEB	Balance from 99-162 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-11-SEP-01	Watershed and Sub-basin Planning and Assessment	$26,812	$0	Northern Oregon Coastal

Project Description

Summary in 99-162. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-186FF	OWEB	Upper Rogue WS Council Support/Coordinator Funding	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-16-JUL-01	Watershed and Sub-basin Planning and Assessment	$7,875	$0	Southern Oregon Coastal

Project Description

This funding will allow URWA to continue the important work that it has started in implementing its Action Plan. Since inception in June 1994, URWA has provided significant benefits to the communities of the Upper Rogue. Council Support is critical in order to continue the work of URWA which is made up of part-time volunteers. Support will provide full time coordinator staffing which is necessary to continue implementation of the work plan. Council support is imperative for URWA to achieve its goals for organization and implementation of identified and future projects, and to systematically update our Watershed Assessment and Action Plan with new and pertinent data.

Project Ref	Grantee	Project Name	State
OWEB 99-198FF	OWEB	Balance from 99-198 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-17-JUL-01	Watershed and Sub-basin Planning and Assessment	$30,215	$0	Willamette

Project Description

Summary in 99-198. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-202	OWEB	Young's Bay Assessment Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-30-JAN-02	Watershed and Sub-basin Planning and Assessment	$59,242	$0	Northern Oregon Coastal

Project Description

This proposal is to provide a portion of the salary and funds for a full-time Watershed Coordinator to work with the Young's Bay Watershed Council for an approximate 15 month period, from March 2000 thru June 2001. The coordinator will promote public education outreach, partnership building and above all develop an Action Plan, Project planning and Monitoring Program strategies for the YBWC utilizing the completed watershed assessment (March of 2000) to identify, prioritize, plan, find funding for and implement initial projects to restore and enhance the health of our Young's Bay Watershed. The coordinator will act as a liaison between the YBWC and resource agencies, local government, interest groups, educational institutions and land owners to facilitate the objectives of YBWC.

Project Ref	Grantee	Project Name	State
OWEB 99-203FF	OWEB	Balance from 99-203 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-23-AUG-01	Watershed and Sub-basin Planning and Assessment	$35,424	$0	Lower Columbia

Project Description

Summary in 99-203. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-207FF	OWEB	Applegate Rvr WS Council Support 1999	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-30-SEP-01	Watershed and Sub-basin Planning and Assessment	$9,718	$0	Southern Oregon Coastal

Project Description

The Applegate River Watershed Council, a sub-committee of the Applegate Partnership has worked since 1994 to improve conditions in the Applegate Watershed and to develop community support for its efforts. The Watershed Council has completed many projects successfully and has obtained project funding commitments for the next two years of about $600,000. Council support funding is essential to ensure that these projects are successfully completed and that new projects are developed and funded. This proposal will fund "council support" including a coordinator, and expenses and other council activities that support existing and new projects.

Project Ref	Grantee	Project Name	State
OWEB 99-234FF	OWEB	Request from 99-234 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-10-OCT-01	Watershed and Sub-basin Planning and Assessment	$30,809	$0	Southern Oregon Coastal

Project Description

Summary in 99-234. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-255FF	OWEB	Request from 99-255 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-25-JUL-01	Watershed and Sub-basin Planning and Assessment	$25,324	$0	Willamette

Project Description

Summary in 99-255. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-256	OWEB	Siuslaw Evaluation and Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-10-SEP-03	Watershed and Sub-basin Planning and Assessment	$81,263	$0	Northern Oregon Coastal

Project Description

This grant would fund two highly trained former members of the "Hire the Fisher Jobs in the Woods" Programs, to do restoration, data collection in the Siuslaw Watershed. If suitable workers from those organizations are not available, positions will be open to other qualified candidates. Surveyors will be collecting data needed for watershed assessment work being conducted by any agency or group using the OWEB "Draft Watershed Assessment Manual". Primary focus will be on private lands. Workers will use ODFW protocols for Aquatic Habitat Inventory and Spawn Surveys. They will also work closely with Siuslaw Watershed Council, other agencies, and private landowners within the watershed doing in-stream and riparian restoration work. Approximately 40% of time will be spent on spawn surveys, 40% on Aquatic Inventory and 20% on in stream and riparian restoration.

Project Ref	Grantee	Project Name	State
OWEB 99-259	OWEB	Macro-Invertebrate Study B	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-30-NOV-03	Watershed and Sub-basin Planning and Assessment	$27,005	$0	Northern Oregon Coastal

Project Description

This project is 2 & 3 of a baseline monitoring project (GWEB Grant #99-128) initiated in the summer of 1999. Using the Level III Oregon Plan for Salmon and Watersheds Stream Macro-invertebrate Protocol, the project will establish baselines for water quality in the Mid Coast basins. These baselines will be used to assess the effectiveness of restoration activities by comparing invertebrate communities at pre-and post-restoration sites with those at minimally impacted reference sites. Sites will be randomly selected using the Oregon Plan's EMAT design currently being utilized by ODFW and ODEQ. Sites of particular interest will be selected as well. Guidance by DEQ will insure that the data obtained can be integrated into DEQ's existing database.

Project Ref	Grantee	Project Name	State
OWEB 99-266FF	OWEB	Coordinator Funding Request	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	03-DEC-99-25-JUL-01	Watershed and Sub-basin Planning and Assessment	$25,179	$0	Willamette

Project Description

Local volunteers on the Middle Fork Willamette Watershed Council need a coordinator to assist them in their efforts to find a sustainable balance in the social, ecological, and economic issues facing their watershed. The coordinator will facilitate citizen and stakeholder involvement, work with the council to develop a mission statement and bylaws and gain local government recognition, organize public outreach/education efforts, help identify and prioritize critical watershed issues, develop and implement a work plan, coordinate development of a watershed assessment and obtain financial support for council activities.

Project Ref	Grantee	Project Name	State
OWEB 99-276FF	OWEB	Balance from 99-276 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-14-AUG-01	Watershed and Sub-basin Planning and Assessment	$37,827	$0	Middle Snake-Powder

Project Description

Summary in 99-276. Different funding source. The Powder Basin WSC has excelled at maintaining diversity of opinion while creating a forum of respectful listening and speaking. The WSC serves as a coordinating mechanism within the Powder Basin, providing space for agencies, organizations and private citizens to find common ground. Recently, the WSC has drafted a watershed assessment covering 194,000 acres. This projectintends to continue the processof drafting assessment and action plans for 10 priority watersheds.

Project Ref	Grantee	Project Name	State
OWEB 99-295	OWEB	U. & Little Deschutes Assessments/Action Plan	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-22-JUL-02	Watershed and Sub-basin Planning and Assessment	$54,694	$0	Deschutes

Project Description

The assessment project, under the leadership of the Upper Deschutes Watershed Council, will involve public and private basin stakeholders in finalizing a basin-scale assessment for the Upper Deschutes River and its primary tributaries and developing an assessment for the Little Deschutes sub-basin. Utilizing the assessment information, outreach and information sharing meetings will involve basin stakeholders in establishing watershed objectives, potential management alternatives, and priority management foster stewardship among stakeholders, enabling them to become involved in voluntary watershed activities that target improving the condition of the watershed's economy and natural resources.

Project Ref	Grantee	Project Name	State
OWEB 99-299FF	OWEB	Middle Rogue WC Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JAN-00-17-SEP-01	Watershed and Sub-basin Planning and Assessment	$3,863	$0	Southern Oregon Coastal

Project Description

This grant will provide full-time staff to the newly reformed Middle Rogue Watershed Council. The coordinator will assure the development of solid projects to implement the Action Plan due to be completed in the coming year and coordinate monitoring of completed projects. The coordinator will also help develop and implement a community involvement and education program including: an education needs assessment and clearinghouse, educational events such as workshops and tours, cleanups, newsletter, outreach volunteer recruitment and training and membership development. Staff will help develop partnerships and a technical advisory gourd to assure project success and effectiveness.

Project Ref	Grantee	Project Name	State
OWEB 99-310FF	OWEB	Balance of Grant 99-310 -FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	03-DEC-99-24-SEP-01	Watershed and Sub-basin Planning and Assessment	$20,750	$0	Southern Oregon Coastal

Project Description

Summary in 99-310. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-315FF	OWEB	Balance from 99-315 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-16-JUL-01	Watershed and Sub-basin Planning and Assessment	$22,607	$0	John Day

Project Description

Summary in 99-315. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-348FF	OWEB	Request from 99-348 to FF-NOAA	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-23-JUL-01	Watershed and Sub-basin Planning and Assessment	$72,420	$0	Lower Snake

Project Description

Summary in 99-348. Different funding source.

Project Ref	Grantee	Project Name	State
OWEB 99-352	OWEB	Slate Ck WS Assessment & Action Plan	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-28-JAN-03	Watershed and Sub-basin Planning and Assessment	$60,721	$0	Southern Oregon Coastal

Project Description

In cooperation with the Bureau of Land Management and US Forest Service, the Applegate River Watershed Council will conduct a watershed assessment and develop an action plan for the Slate Creek sub-watershed. Slate Creek has been identified as a "core area" for fall chinook salmon in the Oregon Plan, a "core area" for coho salmon by the Governor's Salmon Recovery Science Team, and also supports populations of steelhead and resident trout. Areas of Slate Creek Watershed are receiving heavy development pressures as this region is located near the growing city of Grants Pass, and the watershed is transected by a major highway route between the Rogue Valley and OR/CA coast (Hwy 199). The assessment will follow the Oregon Watershed Assessment, Manual, as well as meet watershed analysis requirements of BLM and USFS. The BLM and USFS are planning to update past watershed analysis, and voiced a strong interest in cooperating on this project, which will also serve to strengthen future cooperative restoration efforts resulting from this assessment/action plan. The assessment is also part of the Watershed Council's plan to conduct detailed assessments at the sub-watershed level acting to update the Applegate River Watershed Assessment(1994).

Project Ref	Grantee	Project Name	State
OWEB 99-355	OWEB	Jackson Ck WS Assessment & Action Plan Demo	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-28-DEC-01	Watershed and Sub-basin Planning and Assessment	$37,072	$0	Southern Oregon Coastal

Project Description

This project will provide a demonstration model for urban/rural stream restoration and public outreach strategy for stream restoration and enhancement projects in the Bear Creek Basin. Urban development along streams in the basin compel the applicant to direct efforts promptly to address watershed and aquatic demands along these reaches. This project will complete a watershed assessment/action plan and public outreach strategy for Jackson Creek, a priority tributary of Bear Creek as designated by the Bear Creek Watershed Council and TMDL committee. The assessment and action plan will be Phase 1 of a three phase project. The Action Plan will focus on a "reach based" approach to stream restoration. The Rogue Valley Council of Governments with funding from DEQ/EPA 319, is completing a hydrological assessment of Jackson creek. This information will be used in completing the watershed assessment and action plan.

Project Ref	Grantee	Project Name	State
OWEB 99-362	OWEB	Henry Cr. WS Mgt. & Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	14-DEC-00-30-MAY-03	Watershed and Sub-basin Planning and Assessment	$22,000	$0	Willamette

Project Description

This proposal is designed to supplement the Yamhill Basin Plan. The City of Lafayette, as with many other Oregon municipalities, is faced with limited financial and water resources and unprecedented growth. When these issues converged on the City, it felt compelled to clear-cut 1/3 of its 124 acre watershed in order to obtain needed funds to comply with Health Dept requirements of its water system. With the help of a Citizens Advisory Board and based on previous studies, this proposal seeks to integrate development and environmental protection. The project will enable the City to assess the condition of its watershed, develop a plan to evaluate, manage and monitor the watershed's natural functions, and make informed decisions on future activities.

Project Ref	Grantee	Project Name	State
OWEB 99-369	OWEB	Neskowin Floodplain Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-07-OCT-02	Watershed and Sub-basin Planning and Assessment	$9,000	$0	Northern Oregon Coastal

Project Description

The purpose of this proposal is to initially assess the feasibility of restoring historic flows in Neskowin, Butte, Hawk and Meadow Creeks of the Neskowin Watershed. Recent flood events have raised a concern of the effectiveness of engineered structures in the flood plain. This study would evaluate historic and current surface water flow patterns and natural and man- made factors affecting flow patterns within the watershed.

Project Ref	Grantee	Project Name	State
OWEB 99-422	OWEB	Siuslaw Watershed Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-24-MAY-02	Watershed and Sub-basin Planning and Assessment	$106,525	$0	Northern Oregon Coastal

Project Description

Fund an assessment of the Siuslaw River Watershed.

Project Ref	Grantee	Project Name	State
OWEB 99-433	OWEB	MidCoast Rapid Bioassessment Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-30-MAY-02	Watershed and Sub-basin Planning and Assessment	$134,251	$0	Northern Oregon Coastal

Project Description

Fund the third year of a stream survey in the mid-coast region characterizing juvenile wild coho populations to identify areas important for juvenile salmonid rearing. Information on steelhead, chinook, and cutthroat will s also be acquired.

Project Ref	Grantee	Project Name	State
OWEB 99-442	OWEB	10 Stream Rest. Designs for the Yaquina Basin	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-17-FEB-01	Watershed and Sub-basin Planning and Assessment	$17,850	$0	Northern Oregon Coastal

Project Description

Allow the Yaquina Basin Team, a newly formed watershed group, to identify priority sites and willing landowners for restoration activities within the Yaquina River basin.

Project Ref	Grantee	Project Name	State
OWEB 99-460	OWEB	South Coast Watershed's Streamflow Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-08-APR-02	Watershed and Sub-basin Planning and Assessment	$20,768	$0	Southern Oregon Coastal

Project Description

Assess stream flows during the low flow seasons in the South Coast Watersheds to assist in establishing restoration priorities, developing TMDL models, and supporting ongoing temperature studies.

Project Ref	Grantee	Project Name	State
OWEB 99-475	OWEB	Keene Creek Watershed Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-30-DEC-03	Watershed and Sub-basin Planning and Assessment	$0	$7,000	Southern Oregon Coastal

Project Description

Using the OWEB watershed assessment manual, develop an "owner's manual" for three neighborhoods, containing action plans to restore local streams, and riparian, soil, and upland conditions in the Bear Creek sub-basin.

Project Ref	Grantee	Project Name	State
OWEB 99-475A	OWEB	Keene Creek Watershed Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$0	$6,781	Southern Oregon Coastal

Project Description

Using the OWEB watershed assessment manual, develop an "owner's manual" for three neighborhoods, containing action plans to restore local streams, and riparian, soil, and upland conditions in the Bear Creek sub-basin.

Project Ref	Grantee	Project Name	State
OWEB 99-476	OWEB	Emigrant Watershed Demonstration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-03-MAY-02	Watershed and Sub-basin Planning and Assessment	$76,135	$0	Southern Oregon Coastal

Project Description

Connected to 99-475. Using the OWEB watershed assessment manual, develop an "owner's manual" for three neighborhoods, containing action plans to restore local streams, and riparian, soil, and upland conditions in the Bear Creek sub-basin.

Project Ref	Grantee	Project Name	State
OWEB 99-480	OWEB	Williams Community Hydrologic Analysis & Flood Mgmt Proj	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-03-SEP-02	Watershed and Sub-basin Planning and Assessment	$28,350	$0	Southern Oregon Coastal

Project Description

Conduct hydrologic and land use assessments to identify project sites and develop specific projects to improve water quality and quantity and fish and riparian habitat.

Project Ref	Grantee	Project Name	State
OWEB 99-489	OWEB	Rogue Basin Streamflow Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-01-MAY-03	Watershed and Sub-basin Planning and Assessment	$25,636	$0	Southern Oregon Coastal

Project Description

Measure streamflows in the Rogue Basin during the low flow season to assist in establishing restoration priorities, developing TMDL models, and supporting ongoing watershed temperature studies.

Project Ref	Grantee	Project Name	State
OWEB 99-498	OWEB	Umpqua Basin Watershed Assessment & Action Plan, Phase I	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-11-JUN-02	Watershed and Sub-basin Planning and Assessment	$0	$88,416	Southern Oregon Coastal

Project Description

Systematically assess all watersheds comprising the Umpqua Basin to assist in the creation of an action plan for the restoration of salmonid species. These assessments will both use and refine the OWEB Watershed Assessment Manual methodology.

Project Ref	Grantee	Project Name	State
OWEB 99-498A	OWEB	Umpqua Basin Watershed Assessment & Action Plan, Phase I	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-11-JUN-02	Watershed and Sub-basin Planning and Assessment	$0	$38,228	Southern Oregon Coastal

Project Description

Systematically assess all watersheds comprising the Umpqua Basin to assist in the creation of an action plan for the restoration of salmonid species. These assessments will both use and refine the OWEB Watershed Assessment Manual methodology.

Project Ref	Grantee	Project Name	State
OWEB 99-499	OWEB	Umpqua Basin Streamflow Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-15-APR-02	Watershed and Sub-basin Planning and Assessment	$36,932	$0	Southern Oregon Coastal

Project Description

Measure streamflows in the Umpqua Basin during the low flow season to assist in establishing restoration priorities, developing TMDL models, and supporting ongoing watershed temperature studies.

Project Ref	Grantee	Project Name	State
OWEB 99-521	OWEB	Sandy River Basin Watershed Council Coord Support Proj	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-06-SEP-01	Watershed and Sub-basin Planning and Assessment	$35,913	$0	Lower Columbia

Project Description

Fund a full-time coordinator, part-time clerical assistant, and office overhead for the Sandy River Basin Watershed Council.

Project Ref	Grantee	Project Name	State
OWEB 99-532	OWEB	Yamhill Basin Watershed Assessment Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-25-JUL-01	Watershed and Sub-basin Planning and Assessment	$40,777	$0	Willamette

Project Description

Fund assessment of two fifth-field watershed assessments to be completed as part of a comprehensive Basin-wide assessment in the Yamhill River Basin by the Yamhill Basin Council.

Project Ref	Grantee	Project Name	State
OWEB 99-539	OWEB	Coast Fork Willamette Watershed Council Coordination	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-10-OCT-01	Watershed and Sub-basin Planning and Assessment	$47,447	$0	Willamette

Project Description

Fund the Coast Fork Willamette Watershed Council.

Project Ref	Grantee	Project Name	State
OWEB 99-540	OWEB	Integratd Assessmnt of Watershd Conditions in Eug-Spfd area	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-29-NOV-02	Watershed and Sub-basin Planning and Assessment	$64,075	$0	Willamette

Project Description

Assess watershed conditions within the Eugene-Springfield metropolitan area. This project will fill in the urban gaps of on-going or recently completed assessments by the Long Tom and McKenzie Watershed Councils.

Project Ref	Grantee	Project Name	State
OWEB 99-541	OWEB	Middle and Lower Reach North Santiam Rvr Watershd Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-29-AUG-02	Watershed and Sub-basin Planning and Assessment	$59,994	$0	Willamette

Project Description

Assess the lower two reaches of the North Santiam Watershed from Big Cliff Dam west to the confluence with the Willamette River. Collect water quality information. Assessment will be based on available data, and the new water quality information.

Project Ref	Grantee	Project Name	State
OWEB 99-542	OWEB	Tryon Creek Watershed Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-31-DEC-01	Watershed and Sub-basin Planning and Assessment	$21,804	$0	Lower Columbia

Project Description

Collect baseline data on the condition of Tryon Creek, including impervious surface coverage, water quantity and quality, land use practices, and other limiting factors for anadromous fish. Identify and prioritize restoration needs.

Project Ref	Grantee	Project Name	State
OWEB 99-632	OWEB	Interagency- Mapping 303(d) Streams	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-07-FEB-01	Watershed and Sub-basin Planning and Assessment	$0	$12,000	Oregon

Project Description

Mapping of 303(d) Streams.

Project Ref	Grantee	Project Name	State
OWEB 99-633	OWEB	Interagency- Lower Columbia River Estuary Program.	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	07-SEP-00-13-SEP-01	Watershed and Sub-basin Planning and Assessment	$0	$192,000	Lower Columbia

Project Description

Lower Columbia River Estuary Program.

Project Ref	Grantee	Project Name	State
OWEB 99-634	OWEB	Interagency-GIS Mapping (Balance on Grant 99-635)	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	31-AUG-00-30-JUN-01	Watershed and Sub-basin Planning and Assessment	$0	$41,387	Oregon

Project Description

Creation of 1:24,000 GIS mapping of streams and salmonid distribution.

Project Ref	Grantee	Project Name	State
OWEB 99-635	OWEB	Balance of Interagency 99-634	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	31-AUG-00-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$208,613	$0	Oregon

Project Description

Creation of 1:24,000 GIS mapping of streams and salmonid distribution.

Project Ref	Grantee	Project Name	State
OWEB 99-636	OWEB	Interagency-DSL Urban Wetlands Inventory	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	22-JAN-01-30-JUN-04	Watershed and Sub-basin Planning and Assessment	$250,000	$0	Oregon

Project Description

Pass-through grants to local governments for wetland and riparian inventory and mapping to assist local planning and conservations actions.

Project Ref	Grantee	Project Name	State
OWEB 99-637	OWEB	Interagency-ODFW Spawning Survey	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	29-JAN-01-03-OCT-01	Watershed and Sub-basin Planning and Assessment	$63,930	$0	Southern Oregon Coastal

Project Description

Fish monitoring to estimate fish populations in the Rogue and South Coast Basins to evaluate the effectiveness of watershed restoration projects.

Project Ref	Grantee	Project Name	State
OWEB 99-638	OWEB	Interagency-NMFS ESA Coordination	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	19-APR-01-30-APR-03	Watershed and Sub-basin Planning and Assessment	$178,804	$0	Oregon

Project Description

OWEB to provide a position located at NMFS to expedite the implementation of voluntary restoration activities.

Project Ref	Grantee	Project Name	State
OWEB 99-808	OWEB	Natural Heritage Program - NOAA FF	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	30-AUG-00-18-OCT-01	Watershed and Sub-basin Planning and Assessment	$233,319	$0	Oregon

Project Description

Development of endangered species data, watershed assessment, and technical assistance to watershed councils by the Oregon Natural Heritage Program.

Project Ref	Grantee	Project Name	State
OWEB 99-904	OWEB	Oregon Riparian Assessment Framework PSC	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	29-AUG-02-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$3,188	$0	Oregon

Project Description

PSC for the development of the Oregon Riparian Assessment framework document

Project Ref	Grantee	Project Name	State
KRITFWC - Yuro	KRITFWC Yurok Tribe	Support for Technical Recovery Team Participation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-00-01-MAR-02	Watershed and Sub-basin Planning and Assessment	$5,000	$0	Klamath

Project Description

Provided a Yurok staff member for one month to serve on the SONCC. Provide support for the Southern Oregon/North California Technical Recovery Team.

Project Ref	Grantee	Project Name	State
KRITFWC - Yuro	KRITFWC Yurok Tribe	Enhancement of Lower Klamath River Fall Chinook Populations	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-NOV-00-01-MAY-01	Watershed and Sub-basin Planning and Assessment	$9,999	$0	Klamath

Project Description

Draft report regarding potential concern for artificial propogation in Lower Klamath Tributaries. Conducted a literature search/drafted report regarding artificial propogation for Lower Klamath River tributaries

Project Ref	Grantee	Project Name	State
703675	CDFG	Russian River Watershed Council Organization Development	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-16-JUL-03	Watershed and Sub-basin Planning and Assessment	$0	$68,808	Northern California Coastal

Project Description

Coordinate efforts within the Russian River watershed to reduce riparian impacts and restore salmonid habitat through development of a watershed assessment and management plan that involves a wide variety of stakeholders from within the watershed in Sonoma and Mendocino Counties.

Project Ref	Grantee	Project Name	State
703676	CDFG	Fearrien Ranch Road Inventory	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-18-OCT-02	Watershed and Sub-basin Planning and Assessment	$18,352	$0	Northern California Coastal

Project Description

Conduct a road inventory to obtain a database of sediment sources and chronic non-point source erosion problems on the active and abandoned road network on the Fearrien Ranches that drain into Larabee Creek, Conley Creek and Dobbyn Creek.

Project Ref	Grantee	Project Name	State
703683	CDFG	Matilija Coalition Organizational Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-JUN-02-15-MAR-04	Watershed and Sub-basin Planning and Assessment	$77,029	$0	Ventura-San Gabriel Coastal

Project Description

Participate as public component in the multi-agency effort, led by the Army Corps of Engineers, to remove Matilija Dam and restore the Ventura River.

Project Ref	Grantee	Project Name	State
703694	CDFG	Redwood Creek Watershed Inventory and Restoration Planning, Project Ar	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-03-16-MAR-04	Watershed and Sub-basin Planning and Assessment	$44,359	$0	Northern California Coastal

Project Description

Reduce impacts to and restore salmonid habitat through development of a site-specific and prioritized plan for erosion prevention and habitat restoration in a 6063 acre portion of Redwood Creek. This is the final area needing assessment in the entire Redwood Creek basin.

Project Ref	Grantee	Project Name	State
703695	CDFG	Wilson Creek Watershed Inventory and Restoration Planning Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-03-04-MAR-04	Watershed and Sub-basin Planning and Assessment	$83,958	$0	Northern California Coastal

Project Description

Reduce impacts to and restore salmonid habitat through development of a site-specific and prioritized plan for erosion prevention and habitat restoration in the 8718 acre Wilson Creek watershed.

Project Ref	Grantee	Project Name	State
703699	CDFG	Coastal Streams Coordination	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-30-MAR-04	Watershed and Sub-basin Planning and Assessment	$45,900	$0	Northern California Coastal

Project Description

Continuation of the Del Norte County Coastal Streams Coordination Program. Project includes hiring a Coastal Streams Coordinator who will promote community involvement in critical coastal stream improvement projects by recruiting and managing participation from all segments of the community with a particular focus on landowner participation.

Project Ref	Grantee	Project Name	State
703724	CDFG	Diamond 'D'/Brightman Ranch Erosion Hazard Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Watershed and Sub-basin Planning and Assessment	$20,338	$0	Northern California Coastal

Project Description

Conduct a systematic inventory of the road and land use related erosion hazards and active sediment sources in the Burr Creek, Mill Creek and Larabee Creek watersheds on approximately 35 miles of unpaved primary vehicle access roads and 10 miles of abandoned secondary roads.

Project Ref	Grantee	Project Name	State
703725	CDFG	Eel River Watershed Improvement Group Support and Assistance Propos	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$118,344	$0	Northern California Coastal

Project Description

Improve water quality and spawning and rearing habitat of salmon and steelhead throughout the Eel River system by providing salary support, office and operational expenses for 2 watershed coordinator positions in the Eel River Basin.

Project Ref	Grantee	Project Name	State
704056	CDFG	Aerial Photographic Survey of California Streams	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Watershed and Sub-basin Planning and Assessment	$0	$50,000	San Joaquin

Project Description

Conduct an aerial survey of California Streams.

Project Ref	Grantee	Project Name	State
117000	NWIFC Upper Skagit Tribe	ESA Tribal Infrastructure Policy Support	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$176,789	$0	Puget Sound

Project Description

This project funds tribal polity recovery staff necessary to assist listed species recovery through following recovery forums but not limited to: Shared Strategy. Recovery Goal Development, Enhancement Planning, Habitat Restoration Planning, Monitoring, Harvest Recovery Planning, Watershed Planning. This Upper Skagit Policy and recovery related staff includes the following partially funded positions: biologist I, biologist II, tribal fisheries manager, and three tribal policy positions.

Project Ref	Grantee	Project Name	State
113002	NWIFC Tulalip Tribe	Development of chinook and coho salmon recovery strategies for the Stilla	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$187,018	$0	Puget Sound

Project Description

In this project we will develop coordinated, comprehensive recovery plans for chinook and coho salmon from the Stillaguamish and Snohomish river systems. These plans will include historical resource status; current resource status; recovery goals expressed in terms of abundance, productivity, and diversity; harvest management, artificial production, and habitat actions needed to achieve the goals; and a monitoring and evaluation program to measure progress towards the goals and to allow for adaptive management as we learn more. This project address all four areas covered by PL 106-553. In our recovery plan we will provide explicit recovery goals for chinook and coho salmon. Salmon habitat restoration projects can then be evaluated in terms of their ability to move the resource towards these goals. The plans developed under this project will also directly relate to salmon stock enhancement. Artificial production will continue to be an important component of the chinook and coho salmon production picture in this region, but this production must be accomplished consistent with the rebuilding goals for wild stocks. Our plans will show how this can happen consistent with comanager and NMFS artificial production guidelines. This project will incorporate recent research into production-habitat relationships in development of recovery goals and in evaluating the ability of specific actions to help move towards those goals. Finally, this project is closely related to implementation of the 1999 Pacific Salmon Treaty Agreement. The Stillaguamish and Snohomish management units are key to both the chinook and coho salmon portions of that agreement, and the plans we develop here will represent stock-specific implementations that are required under that agreement.

Project Ref	Grantee	Project Name	State
116000	NWIFC Swinomish Tribe	Policy Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-SEP-04	Watershed and Sub-basin Planning and Assessment	$75,000	$0	Washington

Project Description

This project is designed to address the immediate need for tribal policy coordination support associated with the Endangered Species Act requirements of tribal resources management. These new ESA related activities are above and beyond the current scope of tribal natural resource management. The personnel involved will be the Fisheries manager and associated support staff. This will be a yearly ongoing project during the listing period until the species recovery is achieved and is removed from federal listing. The geographical project work area shall encompass the Pacific Northwest but shall not be limited to that particular area.

Project Ref	Grantee	Project Name	State
107006	NWIFC Suquamish Tribe	East Kitsap WRIA-15 Watershed Restoration Planning and Salmon Recov	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-04	Watershed and Sub-basin Planning and Assessment	$87,916	$0	Puget Sound

Project Description

This project contains elements continuing from projects initiated with 2000, 2001, and 2002 PCSR funding (refer to the Suquamish Tribe¿s 2000, 2001, and 2002 PCSR MOA Performance Reports).

Tribal Fisheries Administrative and technical staff, including the SRC, will participate in numerous salmon recovery activities including: the Shared Strategy, Hatchery Scientific Review Group Research , Salmon Recovery Funding Board TAC, Tribal Recovery/ESA Workgroup, Kitsap Conservation District restoration projects, Mid-Sound Fisheries Enhancement Group, Kitsap Surface and Stormwater Technical Advisory Committee, Bainbridge Island Environmental and Technical Workgroup, Stillwaters Environmental Education Board, Beaver Creek Restoration Technical Advisory Group, and Friends of Miller Bay (formerly Miller Bay Citizens Action Group). The SRC will provide marine netpen coho project oversight for the US Navy at Manchester to provide returning adult coho to seed nearby Beaver Creek. A consultant will be hired to work with the SRC to develop Chico watershed recovery designs with an emphasis on the lower mile and estuary. These are on-going processes, groups, and activities that will continue the duration of this MOA. The focus of some of these activities are ESU-wide, in other cases the focus is local to East Kitsap. The SRFB process is a major source of potential project funding; other groups like Mid-Sound Fisheries are project implementers. Stillwaters and the Miller Bay group educate students and landowners. The SRC is appointed to all these groups and uses this participation to maximize salmon recovery opportunities in the East Kitsap area.

Project Ref	Grantee	Project Name	State
100162	NWIFC Suquamish Tribe	Bainbridge Island Nearshore Assessment	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$47,700	$0	Puget Sound

Project Description

Assessment of Bainbridge Island's shoreline habitat. Identify and prioritize future restoration projects.

Project Ref	Grantee	Project Name	State
100168	NWIFC Suquamish Tribe	Salmon Recovery Activities	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$101,439	$0	Puget Sound

Project Description

Provide funding for Suquamish Tribal representation on salmon recovery initiatives.

Project Ref	Grantee	Project Name	State
100161	NWIFC Suquamish Tribe	Bainbridge Island Nearshore Assessment	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$15,030	$0	Puget Sound

Project Description

Assessment of Bainbridge Island's shoreline habitat. Identify and prioritize future restoration projects.

Project Ref	Grantee	Project Name	State
100167	NWIFC Suquamish Tribe	Salmon Recovery Activities	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$11,208	$0	Puget Sound

Project Description

Provide funding for Suquamish Tribal representation on salmon recovery initiatives.

Project Ref	Grantee	Project Name	State
100150	NWIFC Suquamish Tribe	Kitsap County Salmon Recovery Plans Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-00-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$135,709	$0	Puget Sound

Project Description

Suquamish Tribe participation in Kitsap County's (WA) Salmon Habitat Protection and Restoration Plan, Kitsap County's Conservation Refugia for Salmon Recovery Study, Washington State's WRIA 15 Limiting Factors Analysis, the Washington state Salmon Recovery Funding board process, and technical advisory groups involved with these processes.

Project Ref	Grantee	Project Name	State
2004-STIL-05	NWIFC Stillaguamish Tribe	Salmon Habitat Restoration Project Administration	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$31,145	$0	Puget Sound

Project Description

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Project Ref	Grantee	Project Name	State
100146	NWIFC Stillaguamish Tribe	Verify DNR Stream Typing Designations	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$20,536	$0	Puget Sound

Project Description

Field verification/correction of stream types. Corrections sent to Washington Department of Natural Resources.

Project Ref	Grantee	Project Name	State
100147	NWIFC Stillaguamish Tribe	Continue to Participate and be Co-Lead Entity in Chinook Recovery Planni	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$27,218	$0	Puget Sound

Project Description

Participation in and leading of the Stillaguamish basin Chinook salmon recovery planning group. Further the purposes of the Stillaguamish Chinook salmon recovery plan.

Project Ref	Grantee	Project Name	State
100143	NWIFC Stillaguamish Tribe	Stillaguamish Chinook Salmon Recovery Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$282,500	$0	Puget Sound

Project Description

This project has several components:
1) Participation in the Tri-County Chinook Recovery Forum;
2) Develop public education materials concerning Chinook salmon recovery in the Stillaguamish basin for the Tribe's annual Festival of the River celebration;
3) Determine minimum instream flows necessary for salmonids;
4) Model peak flow impacts in the Stillaguamish basin;
5) Monitor recently-completed habitat restoration projects, and create a GIS layer of the sites, and supporting GIS layers;
6) Enumerate smolts as they move toward the ocean, and develop a Chinook production index model.

Project Ref	Grantee	Project Name	State
100142	NWIFC Stillaguamish Tribe	Stillaguamish Chinook Salmon Recovery Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-00-30-SEP-01	Watershed and Sub-basin Planning and Assessment	$235,000	$0	Puget Sound

Project Description

This project has several components:
1) Participation in the Tri-County Chinook Recovery Forum;
2) Develop public education materials concerning Chinook salmon recovery in the Stillaguamish basin for the Tribe's annual Festival of the River celebration;
3) Determine minimum instream flows necessary for salmonids;
4) Create a landslide hazard zone map and model peak flow impacts in the Stillaguamish basin;
5) Monitor recently-completed habitat restoration projects, and create a GIS layer of the sites;
6) Enumerate smolts as they move toward the ocean.

Project Ref	Grantee	Project Name	State
109001	NWIFC Squaxin Island Tribe	South Sound Watershed Restoration Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$102,382	$0	Washington

Project Description

This project will entail the evaluation of a subset of South Sound watersheds using the EDT methodology to assess restoration strategies. EDT has been used successfully around Puget Sound and the Northwest to evaluate primarily Chinook salmon watersheds. We are proposing to use it here on Coho and chum salmon watersheds where there is not currently an Endangered Species Act listed species. The purpose will be to identify recovery strategies for the indigenous species in order to prevent their listing under the Act.

Project Ref	Grantee	Project Name	State
109002	NWIFC Squaxin Island Tribe	Watershed Restoration Planning	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$92,763	$0	Washington

Project Description

Multiple parties across the geography of the southern Puget Sound region have developed an interest in watershed restoration projects. These are not currently coordinated on a regional basis, leading to inconsistency and confusion for funding and implementation activities. The Tribe is proposing to hire a Regional Restoration Planning Coordinator who will seek to integrate restoration and recovery activities over multiple watersheds. We are proposing that initially the oversight activities will include Water Resource Inventory Areas 13, 14, and the part of 15 that drains into South Puget Sound. By encompassing these areas, which themselves include multiple watersheds, we will seek to coordinate all activities on watersheds draining into deep southern Puget Sound. The position will organize a management committee to assist in the coordination of activities among several communities, interests, and local governments. It will coordinate activities across a group of watersheds that are parts of four counties. This will entail hiring a full time position to serve this function.

The Tribe is pursuing several projects that require the oversight of a qualified biologist. Acoustic tagging, straying assessment, smolt productivity assessment, and evaluation of the Tribal fishery all require professional oversight, analysis, and documentation. This position will also help write watershed reports that identify salmon productivity and limiting factors for the numerous smaller watersheds of the South Puget Sound region. They will coordinate recovery activities with the Tribal fishery management biologist and help to interpret fishery data collected by the Tribe.

Development of Tribal Salmon Recovery strategies require the guidance of Natural Resources Department personnel to assure they are consistent with ongoing Departmental and Tribal activities. This internal coordination will be accomplished by supervision, oversight, and evaluation by the Tribal Fishery Policy Representative and the Natural Resources Department¿s Policy Analyst. They will be responsible for assuring funded activities converge into a Recovery Strategy for the region.

Project Ref	Grantee	Project Name	State
100140	NWIFC Squaxin Island Tribe	Watershed Restoration Planning	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$189,492	$0	Puget Sound

Project Description

Hire a full-time employee to work with regional agencies, and coordinate habitat restoration activities in Washington WRIAs 13, 14, and part of 15.

Project Ref	Grantee	Project Name	State
100141	NWIFC Squaxin Island Tribe	South Sound Watershed Restoration Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$100,000	$0	Puget Sound

Project Description

Use the Ecosystem Diagnosis and Treatment watershed analysis method to identify restoration priorities for coho and chum salmon in five stream systems feeding southern Puget Sound. It is hoped that increasing population sizes can prevent a petition for listing of these populations under the Endangered Species Act.

Project Ref	Grantee	Project Name	State
100138	NWIFC Squaxin Island Tribe	South Puget Sound Salmon Recovery Strategy	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$282,500	$0	Puget Sound

Project Description

Develop a coordinated salmon restoration strategy for the south Puget Sound area. Also proceed on several restoration projects, land acquisition, and research and evaluation projects.

Project Ref	Grantee	Project Name	State
100137	NWIFC Squaxin Island Tribe	South Puget Sound Salmon Recovery Strategy	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-00-30-SEP-01	Watershed and Sub-basin Planning and Assessment	$235,000	$0	Puget Sound

Project Description

Develop a coordinated salmon restoration strategy for the south Puget Sound area. Also proceed on several restoration projects, land acquisition, and research and evaluation projects.

Project Ref	Grantee	Project Name	State
108000	NWIFC Skokomish Tribe	Skokomish Fisheries Management Program	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-SEP-04	Watershed and Sub-basin Planning and Assessment	$85,194	$0	Washington

Project Description

This project will provide an individual to participate in the development of annual fishing plans to assure that fisheries are being managed to provide adequate protection to weak and threatened Hood Canal salmon stocks. In-season management and post-season evaluations of the fisheries will be conducted to assure that protective management actions are effective. This position will also participate in the development of salmon recovery plans for Hood Canal Summer Chum and Chinook salmon. The individual will work in various technical salmon recovery planning forums with other Tribal, State and Federal fisheries biologists, and will provide technical assistance to Tribal policy representatives.

As a co-manager of the fisheries resources in Hood Canal, the Skokomish Tribe participates in the development of fishery management and recovery plans. Tribal managers must understand complicated technical data and issues to make sound decisions in the development of these plans. This position is necessary to provide analysis of technical issues for the Tribal managers.

The region will be primarily Hood Canal, with input into the management practices in outside areas where Hood Canal stocks could be intercepted or otherwise impacted.

Project Ref	Grantee	Project Name	State
108001	NWIFC Skokomish Tribe	Skokomish Fisheries Salmon Recovery Coordinator	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-SEP-04	Watershed and Sub-basin Planning and Assessment	$50,091	$0	Washington

Project Description

This the project will provide a half-time position to act as a Tribal representative in the various local, regional and statewide salmon recovery forums and planning processes and will be responsible for development, implementation and compliance of PCSR projects. As co-managers of the fisheries resources, Tribes must be involved in the development and implementation of salmon recovery plans. Information will be conveyed to the Tribal Council by the Tribal representative. Decisions and positions of the Tribal Council will be communicated to the planning forums through the Tribal representative. Duties of the position will include; Tracking and monitoring the activities in the planning forums, keeping the Tribal Council and community members informed of theses activities, analysis of effects of proposed recovery activities on stocks of concern in Hood Canal. Planning forums include; shared strategy, Hatchery Scientific Review Group, Hood Canal Coordinating Council, Tribal Recovery and Enhancement Workgroup, local watershed planning councils, Pacific Fisheries Management Council, North of Falcon planning process

This project will contribute to salmon recovery by assisting in the development of effective habitat, harvest and hatchery management plans.

The region will be Hood Canal all areas where Hood Canal stocks could be intercepted or impacted.

Project Ref	Grantee	Project Name	State
108005	NWIFC Skokomish Tribe	South Fork Skokomish Stream Gauge Telemetry	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-MAY-04-01-OCT-04	Watershed and Sub-basin Planning and Assessment	$2,750	$0	Puget Sound

Project Description

Funding 50 percent of Southfork Skokomish River near Union (No. 12060500) gauge during the non-flooding calendar period. The station is supported by Mason County for seasonal flood operations Oct. 1 through April 30, but funds in the fixed amount of $5,500.00 are needed for the remainder of the year (to September 30) for gaging station and telemetry operations. (Funds directly support the operational costs necessary to collect and process the data at the station, salary, travel, vehicle, instruments, etc.) As the continued USGS support of the Tribe's water resources is an important component of the USGS program, USGS Cooperative Funds will be made available for the operation of the station, making the Tribe's share of the costs $2,750.00.

Project Ref	Grantee	Project Name	State
100116	NWIFC Skokomish Tribe	Fisheries Management Planning/Salmon Recovery Coordination	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$44,823	$0	Puget Sound

Project Description

This project provides funding for a fisheries biologist to participate in the development of annual fishing plans, and salmon recovery plans within Hood Canal. The person will also participate in fisheries management activities in other areas where Hood Canal fishes could be intercepted in fisheries or otherwise impacted.

Project Ref	Grantee	Project Name	State
100125	NWIFC Skokomish Tribe	Skokomish Fisheries Salmon Recovery Coordinator	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$44,289	$0	Puget Sound

Project Description

This project is to fund 1/2 FTE for a Skokomish Tri be representative to various local, regional, and state-wide salmon recovery forums and planning processes. This person will be the liaison between these planning processes and the Skokomish Tribal Council and the people of the Skokomish Tribe.

Project Ref	Grantee	Project Name	State
100133	NWIFC Skokomish Tribe	Skokomish River / Treaty Area Landscape Parcel Acquisition and Option I	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$25,793	$0	Puget Sound

Project Description

This project will fund a partial FTE to plan and pursue land acquisitions under other PCSRF projects conducted by the Skokomish Tribe.

Project Ref	Grantee	Project Name	State
100114	NWIFC Skokomish Tribe	Comparison of TFW Ambient Monitoring Methods and the DNR/HCSEG G	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$2,510	$0	Puget Sound

Project Description

The Hood Canal Salmon Enhancement Group has collected much stream habitat data in the Hood Canal drainage using Washington DNR 's 'GRID' method. The GRID method is a less expensive though less thorough habitat characterization method as compared to the TFW method, which is the method used in most of Washington state (outside of USDA Forest service lands). This study will determine whether the GRID method is sufficient for collecting data into the future for the Hood Canal area, or if a switch to the TFW method is warranted.

Project Ref	Grantee	Project Name	State
100177	NWIFC Skagit System Cooperative	ESA Protection and Restoration Implementation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$280,790	$0	Puget Sound

Project Description

Provide protection and restoration of salmon habitat via tribal participation in myriad planning processes for the Skagit and Samish Watershed.

Project Ref	Grantee	Project Name	State
100182	NWIFC Skagit System Cooperative	Skagit Estuary Habitat Restoration - Milltown and Wiley Complex	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$56,026	$0	Puget Sound

Project Description

After the separate Browns and Hall study and broader Fir Island watershed study, this project focuses on designing recovery projects in priority estuary habitat areas specifically in the South Fork Skagit R area around Milltown Island and Wiley complexes.

Project Ref	Grantee	Project Name	State
100186	NWIFC Skagit System Cooperative	ESA Tribal Infrastructure Policy Support	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$225,001	$0	Puget Sound

Project Description

This project addresses the essential need of tribal policy involvement in the various day-to-day avenues that address salmon recovery. These avenues include; Shared Strategy, Comprehensive Chinook and Coho process, Pacific Fisheries Management Council, North of Falcon Process, in-stream flows, and various enhancement and restoration projects.

Project Ref	Grantee	Project Name	State
100176	NWIFC Skagit System Cooperative	Suiattle Isolated Habitat - Boundary Bridge Feasibility	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$24,029	$0	Puget Sound

Project Description

The project proposed to develop design alternatives for upgrading the Boundary bridge, which is located at River Mile 11.9 on the Suiattle River, a major tributary to the Sauk River. The bridge and associated road has a large fill placed across the floodplain, which is blocking several overflow channels of the Suiattle River and crossing one fish-bearing stream. The Suiattle River is likely to re-occupy one of its historic channels further upstream and flow directly into the fill, which could destroy the crossing, contribute sediment to the channel, and inhibit off-channel habitat formation. This project proposed to assess and develop design alternatives that will allow the Suiattle River to migrate more freely along the floodplain.

Project Ref	Grantee	Project Name	State
100178	NWIFC Skagit System Cooperative	ESA Protection and Restoration Implementation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$315,593	$0	Puget Sound

Project Description

Provide protection and restoration of salmon habitat via tribal participation in myriad planning processes for the Skagit and Samish Watershed.

Project Ref	Grantee	Project Name	State
100183	NWIFC Skagit System Cooperative	Skagit Estuary Habitat Restoration - Conway Distributary and Wiley Compl	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-JUN-02	Watershed and Sub-basin Planning and Assessment	$70,921	$0	Puget Sound

Project Description

Design recovery projects in priority estuary habitat areas that expands upon the Browns and Hall study, covering the entire Fir Island watershed

Project Ref	Grantee	Project Name	State
100179	NWIFC Skagit System Cooperative	ESA Protection and Restoration Implementation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-02-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$354,902	$0	Puget Sound

Project Description

Provide protection and restoration of salmon habitat via tribal participation in myriad planning processes for the Skagit and Samish Watershed.

Project Ref	Grantee	Project Name	State
100180	NWIFC Skagit System Cooperative	Skagit Estuary Habitat Restoration - Browns and Hall Slough	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-30-APR-01	Watershed and Sub-basin Planning and Assessment	$22,687	$0	Puget Sound

Project Description

With multiple participants (namely the Skagit Watershed Council and Seattle City Light) develop design restoration alternatives for Browns and Hall Slough in the Skagit Estuary.

Project Ref	Grantee	Project Name	State
163-2004	NWIFC Skagit River System Cooperative	Implementation and Monitoring of Skagit Chinook Recovery Goals	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$100,000	$0	Puget Sound

Project Description

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Project Ref	Grantee	Project Name	State
164-2004	NWIFC Skagit River System Cooperative	Endangered Species Act Protection and Restoration Implementation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$200,000	$0	Puget Sound

Project Description

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Project Ref	Grantee	Project Name	State
116501	NWIFC Skagit River System Cooperative	Endangered Species Act Protection and Restoration Implementation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-AUG-03-30-SEP-04	Watershed and Sub-basin Planning and Assessment	$194,814	$0	Puget Sound

Project Description

This project will provide for the protection and restoration of salmon habitat through Tribal participation in the following processes:

A. 2514 process is intended to protect existing instream flows in the Skagit and Samish watersheds, and increase instream flows in streams that are overappropriated
B. The Skagit Watershed Council process has developed a strategic plan for the restoration of salmon habitat throughout the Skagit and Samish Watersheds. This process has identified areas that will provide the greatest fisheries benefits if acquired, and has identified river reaches and sub-basins where restoration efforts should be directed. Involvement in this process will enable project applicants to integrate data collected by SSC in the selection and implementation of projects
CHansen Creek watershed recovery: This process allows SSC personnel to participate in Skagit County's attempt to provide flood control while restoring salmon habitat in Hansen Creek. This will result in project design for stream restoration
D. Work with State, Federal and local partners in implementation of their responses to the Endangered Species Act. This will include review of County ordinances, recovery strategies, and restoration proposals. It will include, but not be limited to, review of Statewide responses to ESA, such as review of the A/F/W process, Shorelines Management Act proposals, Instream Flow response, and implementation of the Extinction is Not an Option proposal.
E. Review of HCP, 4 (d) and Section 7 and Section 9 actions and to provide technical and policy input to Federal representatives.
F. Development and Implementation of Skagit Watershed Chinook Recovery Plan, which is the development of a Tribal/State Strategy for rebuilding Skagit River chinook stocks. Participate in Shared Strategy approach to salmon recovery
G. Work with Puget Sound Energy regarding project operations for consistency with ESA requirements
H. Work with State and Tribes to improve fish passage at freshwater and saltwater barriers

Project Ref	Grantee	Project Name	State
116504	NWIFC Skagit River System Cooperative	Implementation & Monitoring of Skagit Chinook Recovery Goals	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-AUG-03-30-SEP-04	Watershed and Sub-basin Planning and Assessment	$61,031	$0	Puget Sound

Project Description

Recovery goals for chinook are intended to approximate the abundance, productivity, and diversity of juveniles and adults under properly functioning conditions (PFC). Interim goals, which will continue to be refined, were established in a previous phase of this project. In this phase, we will complete a basin-specific plan that specifies actions to achieve those levels, as well as region-wide harvest management plans that address harvest of chinook and coho, and monitor the effectiveness of the management actions and progress toward achieving the recovery goals. In order to monitor progress toward recovery, we will conduct test fisheries one day per week, from May to November. All fish caught in the test fisheries will be identified to species and sex, and they will be sampled for length, marks, scales, coded-wire tags, otoliths, and signs of mammal bites. These data will be analyzed and summarized, and compared to those predicted for PFC conditions.

Project Ref	Grantee	Project Name	State
106004	NWIFC Port Gamble S'Klallam Tribe	Habitat Restoration of a Degraded Section of Middle Creek	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-02- -	Watershed and Sub-basin Planning and Assessment	$35,000	$0	Washington

Project Description

In 2002, the Tribe made small gains towards improving habitat conditions in Middle Creek, one of the three principal salmon-bearing streams draining its 1400-acre reservation. The Little Boston Rd crossing on Middle Creek (WRIA # 15.0352) is among the top priority fish passage barriers in Kitsap County. Though there are many fish passage barriers in the Tribe¿s usual and accustomed area, this barrier holds special significance to the Tribe since it affects fish habitat on the Tribe¿s own lands. A perched Kitsap County-owned barrier culvert under Little Boston Road lies just 300 feet upstream from the mouth of Middle Creek and blocks all upstream fish passage. At one time this barrier provided upstream passage for coho and fall chum salmon but downstream streambed erosion (as a result of the undersized culvert) over time led to the creation of permanent fish passage problem. For many years, the Tribe has sought the replacement of this culvert, working with WDFW, Kitsap County Public Works, and Hood Canal Salmon Enhancement Group.

Project Ref	Grantee	Project Name	State
106005	NWIFC Port Gamble S'Klallam Tribe	Habitat Restoration of the Point No Point Marsh	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$30,000	$0	Washington

Project Description

Currently, the County is awaiting permits from the Army Corps of Engineers for tide gate replacement. In spite of requests from the Port Gamble S'Klallam and Suquamish Tribes throughout 2002, permitting agencies have not yet been willing to make salt marsh restoration a contingency of drainage improvements for area residents, due partly to site constraints. Quite recently, the Washington Dept. of Fish and Wildlife has announced plans to improve an adjacent boat launch property. This property has the potential to serve the storm water storage needs of adjacent private properties, so that the marsh could be hydrologically disconnected from adjacent flood-prone private properties. The Tribe is seeking to bring area residents, WDFW, and Kitsap County together to find a pro-active solution to flooding problems while restoring the marsh for the benefit of at-risk salmonids.

Project Ref	Grantee	Project Name	State
100029	NWIFC Port Gamble S'Klallam Tribe	Habitat Restoration of the Point No Point Marsh	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$30,000	$0	Puget Sound

Project Description

A feasibility study will be produced detailing the estimated costs and steps required to engineer the restoration of the Point No Point salt marsh and tidal creek habitat. In the future the Tribe plans to address salt marsh restoration, drainage control, and tide gate removal/remediation in the area and re-open the salt marsh estuarine and tidal creek areas to juvenile salmon.

Project Ref	Grantee	Project Name	State
100030	NWIFC Port Gamble S'Klallam Tribe	Environmental Assessment of the Port Gamble S'Klallam Tribal Reservati	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$64,000	$0	Puget Sound

Project Description

Develop a formal environmental review and assessment process to protect and restore salmonid habitat on the Reservation.

Project Ref	Grantee	Project Name	State
100074	NWIFC Port Gamble S'Klallam Tribe	Dosewallips River Habitat Assessment	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$36,797	$0	Puget Sound

Project Description

This project will couple remote sensing technologies (LIDAR and high-resolution digital video) with traditional field survey techniques to map in-channel and floodplain LWD and pool habitat. During summer 2001, 1.4 km of mainstem and 4.9 km of tributary and side-channel habitat were surveyed for LWD and pool habitat using the TFW Ambient Monitoring Program protocols. Overflights were performed in the winter for LIDAR (detailed floodplain micro-topography information) and digital orthophotography that will be combined with ground surveys to generate maps of critical habitat for threatened Puget Sound chinook and Hood Canal summer chum.

Project Ref	Grantee	Project Name	State
119000	NWIFC Nooksack Tribe	Nooksack Basin Salmon Recovery FY 2003	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$360,000	$0	Puget Sound

Project Description

This project will identify, plan, facilitate, and implement salmonid recovery efforts in WRIA 1, including development of the WRIA 1 Salmonid Recovery Plan. The purpose of the Plan is to identify the limiting factors, management strategies, and actions necessary for recovery related to each of the following: habitat, hatchery, harvest, and hydropower. Priority stocks are North/Middle Fork early chinook and South Fork early chinook, although all salmonids will be considered. Once a draft of the Plan is completed, staff will continue to participate in planning and outreach, including giving presentations, soliciting comments, and incorporating feedback into revised drafts. In addition, Nooksack Tribe staff will continue the negotiation, coordination, and partnering with multiple parties and jurisdictions that supports salmon recovery planning in WRIA 1. We continue to be engaged in a combination of planning, data collection and synthesis, and habitat projects that are focused on the recovery of native early chinook. Project will also assist in funding a public education and outreach to communicate Puget Sound Tribes' commitment to and support of salmon recovery.

Project Ref	Grantee	Project Name	State
100023	NWIFC Nooksack Tribe	Nooksack Indian Tribe Coastal Salmon Initiative	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-JUN-03	Watershed and Sub-basin Planning and Assessment	$417,500	$0	Puget Sound

Project Description

This project contains continuing project elements under the WRIA 1 salmon recovery planning activities. Continued projects include monitoring of juvenile outmigration with a rotary screw trap on the South Fork Nooksack, spawning ground surveys over the spatial and temporal extent of chinook distribution, and collection and DNA analysis of salmonid samples collected in WRIA 1. Chinook outmigration from the South Fork will be estimated using the January to August screw trap catch data coupled with trap efficiency estimates and genetic stock identification. Early Chinook redd locations will be documented with a GPS. New project elements include land acquisition and acquisition of conservation easements to restore habitat-forming processes. Restoration plans will be developed/prioritized and implemented and are likely to involve instream wood placement, riparian plantings riprap setback/removal, and off-channel habitat improvement.

Project Ref	Grantee	Project Name	State
100061	NWIFC Nooksack Tribe	Nooksack Indian Tribe Coastal Salmon Initiative	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$282,500	$0	Puget Sound

Project Description

This project contains continuing project elements under the WRIA 1 salmon recovery planning activities. Continued projects include 1) monitoring of juvenile outmigration with a rotary screw trap on the South Fork Nooksack, 2) spawning ground surveys over the spatial and temporal extent of chinook distribution, and 3) collection and DNA analysis of salmonid samples collected in WRIA 1. Chinook outmigration from the South Fork will be estimated using the January to August screw trap catch data coupled with trap efficiency estimates and genetic stock identification. Early Chinook redd locations will be documented with a GPS. New project elements include land acquisition and acquisition of conservation easements to restore habitat-forming processes. Restoration plans will be developed/prioritized and implemented and are likely to involve instream wood placement, riparian plantings riprap setback/removal, and off-channel habitat improvement.

Project Ref	Grantee	Project Name	State
NISQ 04-01	NWIFC Nisqually Tribe	Nisqually Salmon Recovery Planning and Implementation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$321,189	$0	Puget Sound

Project Description
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Project Ref	Grantee	Project Name	State
110000	NWIFC Nisqually Tribe	Nisqually River Multispecies Recovery Planning and Implementation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-NOV-03-30-SEP-04	Watershed and Sub-basin Planning and Assessment	$360,000	$0	Puget Sound

Project Description

The Nisqually Tribe has developed a fall Chinook salmon recovery plan for the basin using the Ecosystem and Diagnosis Treatment (EDT) approach. EDT uses the best available science to analyze the survival of the salmon of the Nisqually through 21 different life stages, in 42 different stream reaches, and under the influence of 20 environmental variables. The results of this EDT analysis have helped us in determining the most critical habitats to focus our efforts on to make the maximum gains for chinook.

Specifically, the plan lays out a series of tasks, from key habitats to protect to restoration priorities, to recover naturally occurring fall chinook salmon in the Nisqually. The Plan also directs where monitoring efforts should focus to address key scientific questions to feed back into the rigorous adaptive management process outlined in the Plan.

The Nisqually Tribe is proposing to implement this recovery plan through the design and implementation of habitat restoration measures in the Nisqually River Basin, WRIA 11, as identified in the Plan and monitor the results of these actions through a scientifically credible approach. The results of these efforts will feed into an adaptive management approach to make the best possible decisions regarding the recovery of the Nisqually River.

In addition the Tribe is working to expand the plan+s scope to include EDT modeling and analysis for other salmonids in the basin: coho, chum, pink and steelhead. The results of this will be combined into a multispecies recovery plan that can be implemented over time.

Some specific tasks that we anticipate focusing on this year using these funds in combination with other grants include:

Research/Planning:

Recovery Planning:
+ Continue to implement adaptive management process for Nisqually Chinook Recovery Plan.
+ Refine and complete first edition of a Multispecies Nisqually Salmon Recovery Plan for chinook, coho, pink, chum, steelhead, and cutthroat
+ update EDT model data with new data as it becomes available
+ track recovery work and monitoring data using geographic information systems

Nisqually Estuary Monitoring:
+ monitor juvenile salmon usage of the Nisqually estuary and nearshore
+ analyze and report on data collected from past field seasons

Restoration:

Nisqually Estuary Restoration:
+ Begin design work and permitting process for next phase of 110 acres of estuary restoration on Nisqually Tribal land.

Nisqually River Off-Channel Restoration:
+ Work with South Puget Sound Salmon Enhancement Group to complete Nisqually River Off-Channel Restoration Assessment
+ Develop and seek funding for two early action off-channel restoration projects identified in the Nisqually River Off-Channel Restoration Assessment.

Mashel River Large Woody Debris Restoration:
+ Work with South Puget Sound Salmon Enhancement Group to complete permitting process and design work.
+ Install several large woody debris structures in the lower mile of the Mashel river and control sedimentation of river from old logging road. Summer 2004 if permits are received

in time.
+ Continue monitoring at the site including spawning surveys, juvenile fish usage, and physical habitat data (pool, riffle, wood).

Mashel River, Eatonville reach:
+ work with project partners to develop for future grant proposals two to three early action restoration projects in this high priority degraded reach of the river.

Lower Yelm Creek off-channel and large woody debris project:
+ Work with South Puget Sound Salmon Enhancement Group to construct off-channel pond and place large woody debris in the lowermost mile of Yelm Creek during summer 2004.

Muck Creek Riparian Restoration:
+ Plant approximately 20,000 native trees and shrubs along key spawning and rearing areas in Muck Creek in Roy and on Fort Lewis.

Ohop Creek:
+ Work with project partners, local landowners to finalize a restoration plan for lower Ohop Creek.

Project Ref	Grantee	Project Name	State
100022	NWIFC Nisqually Tribe	Salmon Recovery in the Nisqually River	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$417,500	$0	Puget Sound

Project Description

The Tribe is developing a multi-species salmon recovery plan (Nisqually Basin Salmon Recovery Plan) using the Ecosystem and Diagnosis Treatment (EST) approach. The plan addresses 1) habitat restoration project design, and monitoring plans for each, 2) Model development and predictions of productivity gains from restoration projects, 3) field investigations of salmonid usage in the basin, and 4) development of a conceptual framework to determine basin productivity.

Project Ref	Grantee	Project Name	State
100060	NWIFC Nisqually Tribe	Salmon Recovery in the Nisqually River	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$282,500	$0	Puget Sound

Project Description

The Tribe developed a multi-species salmon recovery plan (Nisqually Basin Salmon Recovery Plan) using the Ecosystem and Diagnosis Treatment (EST) approach. The plan addresses 1) habitat restoration project design, and monitoring plans, 2) Model development and predictions of productivity gains from restoration projects, 3) field investigations of salmonid usage in the basin, and 4) development of a conceptual framework to determine basin productivity. This year, the Tribe will implement certain components of the plan, as well as hire 3 FTEs. The new staff will be hired to inventory fish usage in the Nisqually Basin, design and implement several habitat restoration projects, and develop a study design to determine productivity of all salmonid species.

Project Ref	Grantee	Project Name	State
100087	NWIFC Nisqually Tribe	Salmon Recovery in the Nisqually River	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-30-SEP-01	Watershed and Sub-basin Planning and Assessment	$235,000	$0	Puget Sound

Project Description

The Tribe is developing a multi-species salmon recovery plan (Nisqually Basin Salmon Recovery Plan) using the Ecosystem and Diagnosis Treatment (EST) approach. The plan addresses 1) habitat restoration project design, and monitoring plans for each, 2) Model development and predictions of productivity gains from restoration projects, 3) field investigations of salmonid usage in the basin, and 4) development of a conceptual framework to determine basin productivity.

Project Ref	Grantee	Project Name	State
100073	NWIFC Muckleshoot Tribe	Hydroacoustic Study	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$141,250	$0	Lower Columbia

Project Description

Hydroacoustic Study/Refinement of escapement and outmigration estimates in the Muckleshoot U&A (Lake Washington System, Green/Duwamish System, and White/Puyallup System): Funds will support staffing to use mobile (boat mounted) and stationary hydroacoustic package. The stationary package can be operated from a river bank and provides estimates of numbers of adults returning and their return timing. The mobile package can provide estimates of the numbers and distribution of fish in streams, lakes and bays. Attempts will also be made to use both systems to estimate juvenile outmigration.

Project Ref	Grantee	Project Name	State
100005	NWIFC Makah Tribe	Salmon Recovery Planning	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-99-31-DEC-05	Watershed and Sub-basin Planning and Assessment	$67,769	$0	Puget Sound

Project Description

There are many interconnected agencies and groups involved in salmon stock and habitat preservation and recovery efforts. The main groups include the Lake Ozette Technical Review Team, the Lake Ozette Sockeye Steering Committee, WRIA 19 and WRIA 20 planning groups, the Hatchery Scientific Review Group, and the North Olympic Peninsula Lead Entity (both LEG and TRT groups and the SRFB). Funding will support Makah Tribal participation in these groups and coordination of research efforts with projects being done by other groups or agencies.

We also plan to use a portion of these funds to work on the Lake Ozette Limiting Factors report and integrate this with our Lake Ozette baseline habitat inventory to develop a habitat recovery plan, to expand the Hoko River Fall Chinook HGMP to include reintroduction into the Sekiu and Pysht rivers, and to support development of proposals for various funding sources.

Project Ref	Grantee	Project Name	State
100002	NWIFC Makah Tribe	Lake Ozette Hydrologic Investigations	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-02-01-SEP-03	Watershed and Sub-basin Planning and Assessment	$115,000	$0	Washington Coastal

Project Description

The project is composed of several tasks developed to contribute to the recovery of threatened Lake Ozette sockeye. Tasks include 1) hydrologic investigations (historic data compilation and present conditions) to reconstruct shoreline conditions prior to logjam removal from the Ozette River in 1953. This model will be used for comparison with current shoreline profiles and vegetation surveys along Lake Ozette and tributary deltas. 2) Age and species distribution will be mapped in Lake Ozette, and 3) channel profiles and cross-sections will be mapped in Big River and Umbrella Creek to develop stage-discharge curves for the Lake, River and Creek, and tag wood in the Ozette River. 4) Researchers will collect wind/precipitation data and develop a wave energy model to analyze effects of modeled lake levels on spawning beach substrate. 5) Models of the water surface elevation of the lake, tributaries, and outlets with and without woody debris will be developed. 6) Sediment delivery to Lake Ozette will be analyzed.

Project Ref	Grantee	Project Name	State
100076	NWIFC Makah Tribe	Technical Salmon Recovery Planning	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-30-SEP-01	Watershed and Sub-basin Planning and Assessment	$220,000	$0	Puget Sound

Project Description

This project contributes to salmon recovery in the Makah U&A and the North Olympic Peninsula regions by providing funding for participation in 1) Ozette sockeye recovery planning, including TRT efforts to develop numerical goals and population units needed for recovery, as well as a formal recovery plan; 2) North Olympic Peninsula Lead Entity Group (NOPLEG) and Technical Recovery Group (TRG) salmon recovery planning efforts; 3) PST coho and sockeye planning processes to reconstruct stock abundances and model population dynamics. The final element of this project, is 4) Expansion of the Hoko HGMP to include chinook reintroduction to the Sekiu, Clallam, and Pysht rivers, where chinook have been all but extirpated (Hoko chinook are the nearest remnant locally-adapted stock). The Tribe will be actively involved in coordinated multi-agency modeling and data analysis, where the synthesis of information from research, monitoring, stock assessment, population modeling, and salmon habitat restoration efforts will be used in salmon recovery planning and programs.

Project Ref	Grantee	Project Name	State
118000	NWIFC Lummi Nation	Lummi Nation Chinook Salmon Recovery Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$360,000	$0	Washington

Project Description

This project will allow the Lummi Nation to leverage its limited resources to address priority issues associated with the recovery of salmonid resources listed under the Endangered Species Act required to ensure that the reserved rights to harvest these resources under the Treaty of Point Elliott may be implemented. It will also provide for institutional support and development of the policy and technical resources that will allow the Lummi Nation to be a meaningful contributor to the recovery of these species. This project for this request covers the period until June 30, 2004, builds upon the foundation provided by earlier Pacific Coastal Salmon Recovery Funds, and anticipates continued funding through June 2004 to allow completion of identified tasks. This multi-faceted project contains three basic elements:
A) Policy and Technical Coordination of Lummi Salmon Recovery Activities
An ESA Policy Analyst/Coordinator (Currently Randy Kinley) and an ESA Technical Coordinator (Currently Alan Chapman) will be supported to develop and implement a recovery strategy that meets tribal and ESA recovery objectives. These activities will continue through June 2004 and may extend beyond that time in the absence of a cooperative attitude by the responsible governments. Efforts will be coordinated internally and externally to ensure the most effective use of scarce resources. All available funding sources will be explored to provide data required to ensure the progress of recovery.
B) Development of a WRIA 1 GIS Linked Attribute Database
A geomorphologist (Currently Michael Maudlin), a GIS Technician (Currently Victor Johnson), will be supported to integrate existing SSHIAP reaches and EDT results into salmon recovery planning and to collect information on physical conditions and habitats in a manner that will allow extrapolation of sample data throughout the watershed. Initial consultations show that different scales of detail are required for different purposes. Additional effort will be directed at working with co-operating agencies interested in salmon recovery in the watershed to establish an agreed database of relevant habitat polygons, with initial emphasis on the North Fork and South Fork of the Nooksack River and tributaries used by listed species. A database will be developed to allow incorporation of information by geographical coordinates, habitat unit, and stream reach or watershed basin. The effort will be coordinated with the WRIA 1 Watershed Management Project evaluating instream flows, and the various county, state, tribal and federal governmental entities currently collecting information within the watershed. While initial funding was provided through June 2003, the full realization of the framework and populating it with data will require substantial effort and funding over several years because of the time required to co-ordinate the efforts of a number of a number of co-operators and to reach the level that will allow the identification of limiting habitat features.
C). Monitoring and Evaluation of Fisheries Management and Evaluation Plans and Hatchery Genetic and Management Plans.
Two project biologists (Currently Michael MacKay and Thomas Backman) will be supported by the project to monitor compliance with Lummi FMEP and HGMPs to ensure that Lummi activities do not impede the recovery of listed species while achieving Lummi objectives for treaty right fisheries. Funding will be sought to support tagging of chinook released by Lummi from the lower river and the Lummi Bay seaponds to allow monitoring the contributions of hatchery production to fisheries and to develop reliable estimates of stray rates. Existing information will be reviewed to identify an acceptable RER to account for treaty fisheries without impeding recovery of stocks, a process which has been hampered by the new information on the low survival of NOR chinook in the

Project Ref	Grantee	Project Name	State
100085	NWIFC Lummi Nation	Lummi Nation Chinook Salmon Recovery Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-30-SEP-01	Watershed and Sub-basin Planning and Assessment	$78,869	$0	Puget Sound

Project Description

This project is the precursor to the Lummi Nation Chinook Salmon Recovery Project activities outlined for FY2001 and FY 2002. This project is titled: Lummi Nation WRIA 01 Salmon Recovery Coordination and involves continuing financial support to staff the Tribe's ESA Coordinator position. The project allows Lummi participation and leadership in the assessment of the Ecosystem, Diagnosis, and Treatment tool (EDT) in the Nooksack watershed.

Project Ref	Grantee	Project Name	State
100095	NWIFC Lummi Nation	Lummi Nation WRIA 01 Salmon Research and Assessment	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-30-SEP-01	Watershed and Sub-basin Planning and Assessment	$156,131	$0	Puget Sound

Project Description

This project primarily involves support for existing staffing that perform research and assessment activities for the Tribe. Positions include a Fisheries Biologist, Fisheries Technician, and Geomorphologist. The project provides for assessment and monitoring of in-migrant adult salmon, spawning populations, juvenile rearing and smolt out-migrants. It also provides follow-up research and monitoring for efforts undertaken by the Tribe in 1999 and early 2000.

Project Ref	Grantee	Project Name	State
104001	NWIFC Lower Elwha Klallam Tribe	Watershed Planning/Salmon Recovery Planning	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-SEP-04	Watershed and Sub-basin Planning and Assessment	$96,894	$0	Puget Sound

Project Description

Staff time necessary to support Tribes participation in many different forums including: Salmon Recovery Funding Board (SRFB) processes, Shared Strategy, Water Management Forums, Elwha River Restoration, ESA processes, and salmon harvest and hatchery management forums.

Project Ref	Grantee	Project Name	State
100015	NWIFC Lower Elwha Klallam Tribe	On-Reservation Programmatic Plan	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$16,780	$0	Puget Sound

Project Description

Develop a programmatic plan to address ESA.

Project Ref	Grantee	Project Name	State
100017	NWIFC Lower Elwha Klallam Tribe	Elwha River Basin Recovery	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$84,524	$0	Puget Sound

Project Description

Develop and implement a salmon recovery approach.

Project Ref	Grantee	Project Name	State
100055	NWIFC Lower Elwha Klallam Tribe	Elwha River Basin Recovery	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$29,446	$0	Puget Sound

Project Description

Develop and implement a salmon recovery approach.

Project Ref	Grantee	Project Name	State
100080	NWIFC Lower Elwha Klallam Tribe	On-Reservation Programmatic Plan	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-30-SEP-01	Watershed and Sub-basin Planning and Assessment	$63,700	$0	Puget Sound

Project Description

Develop a programmatic plan to address ESA.

Project Ref	Grantee	Project Name	State
100081	NWIFC Lower Elwha Klallam Tribe	Fisheries Harvest, Habitat, and Hatchery Management	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-30-SEP-01	Watershed and Sub-basin Planning and Assessment	$35,200	$0	Puget Sound

Project Description

Participation of staff in technical forums; identification and development of specific habitat restoration measures; evaluation of improved salmon enhancement measures; research regarding habitat quality and relative productivity of the habitat.

Project Ref	Grantee	Project Name	State
100082	NWIFC Lower Elwha Klallam Tribe	Elwha River Basin Recovery	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-30-SEP-01	Watershed and Sub-basin Planning and Assessment	$35,200	$0	Puget Sound

Project Description

Develop and implement a salmon recovery approach. In this year's funding cycle, it is anticipated that a final draft of the salmon recovery plan will be completed and adopted by cooperative parties involved in Elwha River ecosystem recovery. In addition, brood stock collection for restoration efforts will occur, scale analysis of Chinook salmon to estimate wild production will occur, as well as monitoring near-shore and estuarine habitat to determine possible impacts to salmon productivity.

Project Ref	Grantee	Project Name	State
105000	NWIFC Jamestown S'Klallam Tribe	Dungeness River and Eastern Strait of Juan de Fuca Salmon Recovery Pl	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-SEP-04	Watershed and Sub-basin Planning and Assessment	$292,480	$0	Puget Sound

Project Description

This project includes four components:

a. Strategic Salmon Recovery Planning: The Tribe will continue its leadership role in the local watershed council, the Dungeness River Management Team (DRMT), by coordinating cooperative habitat restoration planning. (Background can be found in reference #1850012). In early 2004, the DRMT will be one of the first planning units to finalize and submit its Watershed Plan (an update to the 1994 water resources plan) to Ecology. In addition to continuing to serve as the local citizen review group for salmon restoration proposals and overseeing scientific studies and cooperative partnership projects, the DRMT will begin the implementation phase of watershed planning. The Tribe and DRMT will also focus efforts on regional salmon recovery planning, in cooperation with other tribes (Point-No-Point Treaty Council), the Dungeness River Restoration Work Group (the technical advisory group to the DRMT), and the Shared Strategy for Puget Sound, to prepare a local chapter for the regional salmon recovery plan.

b. Riparian Corridor Protection & Restoration: The Tribe's Riparian Lands Consultant, with the River Restoration Work Group, completed "Recommended Land Protection Strategies for the Dungeness Riparian Area" (reference #185009). This period, the Group will focus on how to implement prescriptions recommended in the report (conservation easements, etc.), as well as public outreach. The Tribe's Riparian Lands Consultant will: (1) Collect and analyze information on critical habitat and riparian land conditions in the Dungeness watershed. Based on the above completed report, she will maintain a list of parcels for potential acquisition via fee-simple or conservation easement in the Dungeness and Jimmycomelately watersheds, which provide critical habitat, or are necessary for restoration related to threatened and endangered species of salmon. The list shall include information on the assessed value, asking price, availability, size and habitat features. She will also work on funding proposals (grant applications) and agreements for proposed acquisition in coordination with local agencies. (2) The Consultant will also prepare an assessment of the Clallam County Critical Areas Ordinance related to riparian habitat protection on the Dungeness River. She will complete a report listing any identified deficiencies in the ordinance for protecting critical salmon habitat, with examples included. (3) Finally, the Consultant will serve as the Tribe's alternate representative to the North Olympic Peninsula Salmon Recovery Lead Entity Group and Technical Review Group.

c. Water Conservation: The Tribe will continue water conservation efforts by working with the agricultural community and other funding agencies to promote and administer grants related to irrigation efficiency programs that implement the Water Conservation Plan (reference #185010). The Tribe will continue its participation in Comprehensive Irrigation District Management Planning to ensure water users are in compliance with the Endangered Species and Clean Water Acts.

d. Stock Assessments: The Tribe will continue to collect and analyze data on critical stocks in the Dungeness River, Jimmy-come-lately Creek, Siebert Creek and other Strait of Juan de Fuca tributaries. (References related to this task include #185004 and #185007). Specific tasks will include:

(i) Coho, steelhead and cutthroat smolts will be trapped and released during downstream migration. Productivity of sampled streams will be measured in terms of smolts produced. Smolts will be subsampled for length and weight. Other species of fish will be enumerated and released. For coho, the number of smolts produced will be used in forecasting the adult coho return to the region in the following year.

(ii) Continue analysis of the Dungeness Chinook Captive Broodstock Program. Data gathered by WDFW from sampled carcasses will be used to determine appropri

Project Ref	Grantee	Project Name	State
100014	NWIFC Jamestown S'Klallam Tribe	Dungeness River Recovery Planning	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$317,500	$0	Puget Sound

Project Description

The following project activities were proposed by the Tribe to address the limiting factors affecting Hood Canal summer chum and Puget Sound chinook: 1) Strategic salmon recovery planning involving cooperative habitat restoration planning; 2) Riparian Corridor Protection and Restoration: through collection of data on property ownership, assessed value, location of restoration projects, and habitat conditions. The data and maps will assist in cooperatively working with the County, state, and federal agencies and private foundations on conservation easements, acquisition, and protection strategies for critical parcels; 3) Jimmy-come-lately Creek and Estuary Restoration: The tribe will be collecting biological samples of adult chum in the fall, as well as contribution to this multi-agency restoration effort by performing project coordination duties; 4) Water Conservation: The tribe will cooperatively design and implement water conservation projects to conserve instream flows; 5) Dungeness Chinook Captive Broodstock Assessment: involving egg collection, captive rearing and spawning and release; and 6) Dungeness Bay Fishery Monitoring and Sampling: to monitor incidental chum and chinook catch.

Project Ref	Grantee	Project Name	State
100052	NWIFC Jamestown S'Klallam Tribe	Dungeness River / Jimmy-come-lately Creek Salmon Recovery	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$282,500	$0	Puget Sound

Project Description

The following project activities were proposed by the Tribe to address the limiting factors affecting Hood Canal summer chum and Puget Sound chinook: 1) Strategic salmon recovery planning involving cooperative habitat restoration planning; 2) Riparian Corridor Protection and Restoration: through collection of data on property ownership, assessed value, location of restoration projects, and habitat conditions. The data and maps will assist in cooperatively working with the County, state, and federal agencies and private foundations on conservation easements, acquisition, and protection strategies for critical parcels; 3) Jimmy-come-lately Creek and Estuary Restoration: The tribe will be collecting biological samples of adult chum in the fall, as well as contribution to this multi-agency restoration effort by performing project coordination duties; 4) Water Conservation: The tribe will cooperatively design and implement water conservation projects to conserve instream flows; 5) Dungeness Chinook Captive Broodstock Assessment: involving egg collection, captive rearing and spawning and release; and 6) Dungeness Bay Fishery Monitoring and Sampling: to monitor incidental chum and chinook catch.

Project Ref	Grantee	Project Name	State
100006	NWIFC Hoh Tribe	Hoh River Watershed Monitoring Program	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-02-15-AUG-03	Watershed and Sub-basin Planning and Assessment	$0	$0	Puget Sound

Project Description

This project is a pilot watershed monitoring project in the Hoh River watershed. Monitoring includes water quality parameters of surface water temperature, turbidity, chemistry (pH and DO), and conductivity. Additional biotic and physical parameters include: 1) fish and amphibian distribution and inter-annual variability, 2) channel morphology (LWD, bank full depth and width, pool/riffle ratio, incision, off-channel habitat, and floodplain connectivity), 3) channel response to LWD inputs, storm events, and mass wasting, 4) channel embeddedness, 5) culvert barrier documentation, and 6) riparian invasive plant species inventory (reed canary grass, Japanese knotweed). The goal of the monitoring plan is to provide

Project Ref	Grantee	Project Name	State
102002	NWIFC Hoh Tribe	MCLP Fish Habitat and channel modules	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-30-SEP-04	Watershed and Sub-basin Planning and Assessment	$9,100	$0	Washington Coastal

Project Description

Baseline Channel Monitoring- the development of permanent cross-sections in tributaries to the Hoh River is (was) part of the watershed monitoring plan. Direct benefits to salmon and salmon recovery should be similar to those included for the watershed monitoring plan. Completion of the project will lead to a better understanding of channel conditions (current and future) and channel migration processes in small salmon spawning streams (which should lead to better identification and protection of CMZs). All permanent cross section (n=30) are in stream sections surveyed by the DNR (Cederholm and Scarlett 1997 report) in the mid-90's and several are in reaches surveyed as part of the MCLP fish and channel module. It is assumed that future restoration projects will occur within several of the cross-sections and that these cross-sections will help in the monitoring of future restoration projects. Work to be completed includes: 1) develop data storage system and enter data and notes, 2) process, plot, and analyze data, and 3) write summary report.

Project Ref	Grantee	Project Name	State
100012	NWIFC Hoh Tribe	Geographic Information System for the Hoh Watershed Monitoring Progra	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-01-JUL-03	Watershed and Sub-basin Planning and Assessment	$16,000	$0	Washington Coastal

Project Description

Creation of a Geographic Information System (GIS) to enable queries of map locations for linked historic and current data and digital photos for the Hoh Watershed and other related salmon habitat in the Pacific Northwest. The GIS will contain data from private, State and Federal landowners and resource managers, including NWIFC water quality data collected under the Hoh River Watershed Monitoring Program. The locations of all research projects conducted under the Pacific Coast Salmon Recovery Program, and links to project data will be included upon completion of the GIS development.

Project Ref	Grantee	Project Name	State
100198	NWIFC Hoh Tribe	Habitat and Watershed Planning Program	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$35,000	$0	Washington Coastal

Project Description

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Project Ref	Grantee	Project Name	State
100201	NWIFC Hoh Tribe	Hoh 2002 Program Coordination	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$77,960	$0	Washington Coastal

Project Description

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Project Ref	Grantee	Project Name	State
100053	NWIFC Hoh Tribe	On-Reservation Programmatic Plan	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$65,155	$0	Puget Sound

Project Description

Develop a programmatic plan to address ESA in the Lower Elwha Klallam Tribe reservation limits.

Project Ref	Grantee	Project Name	State
100205	NWIFC Hoh Tribe	Hoh 2001 Program Coordination	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Watershed and Sub-basin Planning and Assessment	$76,955	$0	Washington Coastal

Project Description

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Project Ref	Grantee	Project Name	State
100202	NWIFC Hoh Tribe	Hoh 2000 Program Coordination	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-30-SEP-01	Watershed and Sub-basin Planning and Assessment	$65,501	$0	Washington Coastal

Project Description

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Project Ref	Grantee	Project Name	State
722	KRITFWC Yurok Tribe	Aquatic Habitat Restoration Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$12,000	$0	Klamath

Project Description

Using existing tributary-wide assessment data as a guide, YTFP has conducted several surveys in key tributary reaches to identify specific instream and riparian restoration needs within the reach in order to develop implementation work plans for the identified work sites. Surveys have been conducted within the McGarvey, Terwer, Surpur, Ah Pah and Omagaar Creek drainages.

Project Ref	Grantee	Project Name	State
02-229	KRITFWC Yurok Tribe	GIS Support and Planning for the Lower Klamath	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	31-JUL-03-31-MAR-04	Watershed and Sub-basin Planning and Assessment	$20,000	$0	Klamath

Project Description

Spatial data analysis provided for restoration planning projects in the Lower Klamath River estuary and the Salt Creek watershed.

Project Ref	Grantee	Project Name	State
2004-1	KRITFWC Klamath Tribes	Upper Klamath Lake Catchment Water Quality Assessment, Modeling, an	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-AUG-04-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$161,890	$0	Klamath

Project Description

The proposed project supports several activities which fulfill PCSRF objectives. We intend to aggressively pursue an adaptive management approach to ecosystem restoration in this catchment, empowered by sophisticated models, adequate monitoring, and extensive cooperation with local entities. The proposed project incorporates several elements which will add value to other efforts already underway (supported by a variety of other funding sources), significantly enhancing the utility of the resulting products.
First, the Klamath Tribes are well into the application of a non-point source nutrient loading model (SWAT), water quality model (QUAL2E), ground water model (MODFLOW) and a temperature model (HeatSource) for the Sprague River, a major tributary to Upper Klamath Lake. Calibration and validation efforts should be completed in the fall of 2004, enabling active use of the models to facilitate planning of projects designed to restore ecological function to the river and its floodplain. As with application of any sophisticated model to a complex ecological system, we expect to identify specific areas in which further targeted data collection would significantly improve the utility of the model. The proposed project will enable us to immediately move to improve the models as needed.
Second, the field efforts involved in developing the aforementioned models also form the basis of a long-term monitoring effort designed to track trajectories of water quality and nutrient loading in the Sprague River. The proposed project will, at a minimum, maintain the existing monitoring network on the Sprague River.
Third, we are continuing to monitor water quality conditions in Upper Klamath Lake, efforts which require the services of a consulting limnologist to assist with data analysis and QA/QC.
Finally, we have been actively developing a state-of-the-art water quality laboratory capable of rapidly and inexpensively processing large quantities of water quality samples. Having procured the necessary equipment, our remaining need is to staff the lab sufficiently to enable efficient and effective use of our newly developed capability. Staffing levels proposed here will enable full use of our lab capability, which we expect to result in expansion of water quality monitoring and research efforts in the Sprague River and in Upper Klamath Lake.

Project Ref	Grantee	Project Name	State
2004-2	KRITFWC Klamath Tribes	Sprague River Hydroacoustics Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-AUG-04-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$25,500	$0	Klamath

Project Description

We propose to integrate bathymetry of the Sprague River into a digital terrain model (DTM) of the Sprague River banks and floodplain developed using LIDAR. Sophisticated hydroacoustic equipment will be used to map the bathymetry of the Sprague River channel at high flow. The resulting DTM of the river channel will then be incorporated into the pre-existing LIDAR-based DTM of the valley floor, forming a seamless DTM that will be the platform for a variety of actions supporting restoration planning, implementation, and monitoring.

Project Ref	Grantee	Project Name	State
2004-3	KRITFWC Klamath Tribes	odel-based Assessment of Anadromous Salmonid Productivity and Capaci	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-AUG-04-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$35,610	$0	Klamath

Project Description

In 1917, anadromous salmonids (steelhead, spring and fall chinook, and possibly other species) were extirpated from the Upper Klamath River and the Upper Klamath Lake catchment when the Copco 1 Dam was constructed without fish passage. Since that time, the Klamath Hydroelectric Project (KHP) has expanded to include 5 dams on the main-stem Klamath River below Upper Klamath Lake. PacifiCorp owns the KHP, and earlier this year applied for a new license with the Federal Energy Regulatory Commission. The term of the new license will likely be 30-50 years. PacifiCorp¿s proposed project does not include providing passage around Iron Gate, Copco 1, or Copco 2 dams, a condition which would continue to deprive the Klamath Tribes of the treaty-guaranteed fisheries that were eliminated by the KHP.
The Klamath Tribes are determined to restore anadromous salmonids to their former range above Iron Gate Dam. Throughout the KHP re-licensing process we have advocated assessment of the historic, present, and future restored productive capacity of the Upper Klamath Basin for anadromous salmonids. Such assessments are vital components of decision-making for all parties to the re-licensing. Two models are presently being used in this capacity. The Ecosystem Diagnosis and Treatment (EDT) model is designed to estimate habitat-based productivity and capacity for anadromous salmonids and identify and rank habitat restoration actions to enhance salmonid production. Another model, KLAMRAS, is a stochastic life cycle model that estimates population trajectories over time, using habitat information and estimates of survival associated with KHP structures. Partially funded by PacifiCorp, these modeling efforts are moving too slowly and are seriously under-funded, and we are therefore concerned that the modeling efforts will be incomplete and/or inadequate when FERC writes their EIS and NOAA and USFWS write their section 18 prescriptions for fish passage.
Therefore, we propose to supplement ongoing modeling efforts in the following ways. First, additional field work is necessary to quantify habitat conditions in the Upper Klamath Lake catchment. A variety of methods will be used to quantify habitat, including ODFW stream survey protocols on public lands, using existing FLIR imagery to guide field efforts to quantify location and size of thermal refugia, and extrapolating conditions on accessible private lands to inaccessible privately owned reaches. Second, both EDT and KLAMRAS will be developed so that we can compare results of the two different models. Third, we will identify critical uncertainties in the models, and either collect additional data to reduce these uncertainties, or conduct sensitivity analyses to better understand the potential ramifications of these uncertainties to model predictions.

Project Ref	Grantee	Project Name	State
2003-1	KRITFWC Klamath Tribes	Upper Klamath Lake Catchment Water Quality Assessment, Modeling, an	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-APR-04-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$162,000	$0	Klamath

Project Description

The proposed project supports several activities which fulfill PCSRF objectives. We intend to aggressively pursue an adaptive management approach to ecosystem restoration in this catchment, empowered by sophisticated models, adequate monitoring, and extensive cooperation with local entities. The proposed project incorporates several elements which will add value to other efforts already underway (supported by a variety of other funding sources), significantly enhancing the utility of the resulting products.
First, the Klamath Tribes are well into the application of a non-point source nutrient loading model (SWAT) and water quality model (QUAL2E) for the Sprague River, a major tributary to Upper Klamath Lake. Calibration and validation efforts should be completed in the fall of 2003, enabling active use of the models to facilitate planning of projects designed to restore ecological function to the river and its floodplain. As with application of any sophisticated model to a complex ecological system, we expect to identify specific areas in which further targeted data collection would significantly improve the utility of the model. The proposed project will enable us to immediately move to improve the model as needed. One element we know we can improve upon involves our ability to properly time our sampling as a flood wave moves down the river valley (consistently sampling the same portion of the wave reduces variability). Last year we installed a satellite uplink on the Sprague River below the North and South Forks, and found it very helpful because we could obtain real-time flow data and thus better plan our sampling. However, we lack similar capability at the downstream end of the basin, and so propose to upgrade an existing USGS gauge site to provide real-time data access.
Second, the field efforts involved in developing the aforementioned models also form the basis of a long-term monitoring effort designed to track trajectories of water quality and nutrient loading in the Sprague River. The proposed project will, at a minimum, maintain the existing monitoring network on the Sprague River. In addition, we propose to expand our monitoring program by adding several sites and by including bedload and suspended sediment among the suite of monitored parameters. Sediment is an important constituent to monitor in the Sprague River system, and we require a bridge crane with a motorized winch and a top loading balance to efficiently do this work.
Finally, we have been actively developing a state-of-the-art water quality laboratory capable of rapidly and inexpensively processing large quantities of water quality samples. Having procured the necessary equipment, our remaining need is to staff the lab sufficiently to enable efficient and effective use of our newly developed capability. Staffing levels proposed here will enable full use of our lab capability, which we expect to result in expansion of water quality monitoring and research efforts in the Sprague River and in Upper Klamath Lake.

Project Ref	Grantee	Project Name	State
2003-2	KRITFWC Klamath Tribes	High Resolution Digital Terrain Model of the Sprague River Valley	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$61,000	$0	Klamath

Project Description

We propose to develop a digital terrain model (DTM) over approximately 61 mi2 of the Sprague River Valley. The DTM will be generated using LIDAR technology to enable analyses using 1 ft contour intervals. Accuracy and precision of the DTM will meet or exceed FEMA guidelines for floodplain mapping. The DTM will be freely available to all users. The present proposal will pay for DTM development over approximately 60% of the Sprague River Valley; funding for the other 40% of the valley has been procured from another source. Targeted ESUs are Upper Klamath/Trinity River chinook, Southern Oregon/Northern California coho, Klamath Mountains Province steelhead.

Project Ref	Grantee	Project Name	State
2002-1	KRITFWC Klamath Tribes	Sprague River Hydrologic and Geomorphic Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-FEB-03-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$50,000	$0	Klamath

Project Description

Supplements Project 2001-1 by providing for additional hydraulic modeling.

Project Ref	Grantee	Project Name	State
2002-2	KRITFWC Klamath Tribes	Sprague River Non-point Nutrient Loading Model Development	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-FEB-03-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$235,000	$0	Klamath

Project Description

Continues Projects 2000-1 and 2001-2, in which development of QUAL2E and SWAT models began. This portion of the model development effort joins intensive data collection with the main body of model calibration efforts.

Project Ref	Grantee	Project Name	State
2002-3	KRITFWC Klamath Tribes	Limnological Analysis of Upper Klamath Lake Water Quality Monitoring Da	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-FEB-03-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$25,000	$0	Klamath

Project Description

Continues Project 2001-3. The present hypereutrophic nature of Upper Klamath Lake is a concern in regard to the potential re-introduction of anadromous salmonids to the Upper Klamath Basin. In addition, the poor condition of the water flowing from Upper Klamath Lake into the Klamath River causes serious problems for existing anadromous fisheries in the middle and lower Klamath River. Ongoing annual water quality monitoring data will be integrated into the existing database, and existing anaylses updated to confirm the validity of earlier conclusions.

Project Ref	Grantee	Project Name	State
2001-1	KRITFWC Klamath Tribes	Sprague River Hydrologic and Geomorphic Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-02-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$116,390	$0	Klamath

Project Description

This project helps us develop reach-specific river restoration recommendations based on hydrologic and geomorphic assessments of the Sprague River. Our approach will be to: 1) consolidate and analyze all existing information on historical and current geomorphic and hydrologic conditions; 2) Delineate geomorphically similar reaches and establish reference sites; 3) Intensively survey the channel and floodplain morphology on the reference sites; 4) Conduct limited hydraulic modeling; 5) Produce a detailed report which quantifies and contrasts the historic and present geomorphic and hydrologic conditions of the Sprague River, identifies key geomorphic features for restoration, describes likely benefits to restoring those features, and makes the most specific restoration recommendations possible with the available data. We expect all anadromous species in the Klamath River between Iron Gate Dam and the Scott River to benefit from improved Upper Klamath Basin conditions. In addition, we plan to restore anadromous fish to the Upper Klamath Basin above Iron Gate Dam.

Project Ref	Grantee	Project Name	State
2001-2	KRITFWC Klamath Tribes	Sprague River Non-point Nutrient Loading Model Development	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-02-31-DEC-02	Watershed and Sub-basin Planning and Assessment	$33,610	$0	Klamath

Project Description

A continuation of ongoing work, this project will continue development of two non-point source nutrient loading models (QUAL2E and SWAT) for the Sprague River, which will enable accurate assessment and effective watershed restoration planning. The Sprague River (a major tributary to Upper Klamath Lake in the Upper Klamath River catchment in south-central Oregon) once supported large runs of spring and fall chinook, as well as steelhead. These runs were eliminated by a hydroelectric dam built on the Klamath River in 1917, but are now likely to be re-established as part of the relicensing of the Klamath Hydroelectric Project. Land use practices have extensively degraded watersheds above Upper Klamath Lake, including the Sprague River, which is a major contributor of non-point source phosphorus loading to Upper Klamath Lake, which is presently hypereutrophic (i.e. extremely productive, with huge algae blooms and poor water quality) as a result of watershed degradation. Poor conditions in the Upper Klamath Basin contribute to poor water quality conditions below Iron Gate Dam in the Klamath River, the present upper extent of anadromous salmonids in the Klamath.

Project Ref	Grantee	Project Name	State
2001-3	KRITFWC Klamath Tribes	Limnological Analysis of Upper Klamath Lake Water Quality Monitoring Da	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-02-31-DEC-02	Watershed and Sub-basin Planning and Assessment	$30,000	$0	Klamath

Project Description

The present hypereutrophic nature of Upper Klamath Lake is a concern in regard to the potential re-introduction of anadromous salmonids to the Upper Klamath Basin. In addition, the poor condition of the water flowing from Upper Klamath Lake into the Klamath River causes serious problems for existing anadromous fisheries in the middle and lower Klamath River. Ongoing annual water quality monitoring data will be integrated into the existing database, and existing anaylses updated to confirm the validity of earlier conclusions.

Project Ref	Grantee	Project Name	State
2000-1	KRITFWC Klamath Tribes	Sprague River Non-point Nutrient Loading Model Development	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-01-31-JUL-01	Watershed and Sub-basin Planning and Assessment	$47,450	$0	Klamath

Project Description

The project will begin development of two non-point source nutrient loading models (QUAL2E and SWAT) for the Sprague River, which will enable accurate assessment and effective watershed restoration planning. The Sprague River (a major tributary to Upper Klamath Lake in the Upper Klamath River catchment in south-central Oregon) once supported large runs of spring and fall chinook, as well as steelhead. These runs were eliminated by a hydroelectric dam built on the Klamath River in 1917, but are now likely to be re-established as part of the relicensing of the Klamath Hydroelectric Project. Land use practices have extensively degraded watersheds above Upper Klamath Lake, including the Sprague River, which is a major contributor of non-point source phosphorus loading to Upper Klamath Lake, which is presently hypereutrophic (i.e. extremely productive, with huge algae blooms and poor water quality) as a result of watershed degradation. Poor conditions in the Upper Klamath Basin contribute to poor water quality conditions below Iron Gate Dam in the Klamath River, the present upper extent of anadromous salmonids in the Klamath River.

Project Ref	Grantee	Project Name	State
32003	KRITFWC Karuk Tribe	Salmon River Cold Water Thermal Refugia Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$24,000	$0	Klamath

Project Description

The purpose of this project is to identify, assess, and inventory critical thermal refugia sites within the range of spring Chinook and summer steelhead in the Salmon River watershed. Biological and physical characteristics of each identified site was assessed weekly during August and September when water temperatures are stressfull for salmon. Karuk fisheries staff worked in cooperation with the Salmon River Restoration Council (SRRC), a local watershed groups in the Salmon River, to collect field data. ArcView GIS maps are being developed that containing site locations and other attributes.

Project Ref	Grantee	Project Name	State
72003	KRITFWC Karuk Tribe	Rock Creek Habitat Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$14,000	$0	Klamath

Project Description

The objective of this project is to habitat type 8.5 miles of Rock Creek with the purpose of determining potential usable anadromous salmonid habitat value above the identified barrier at 0.5 mile. Rock creek was prioritized during fish passage assessment work completed by the Tribe during 2002. Historical accounts from local residents and landowners during interviews describe Rock Creek as supporting coho salmon prio to the 1955 flood where a large landslide blocked migration. This project will assess the current available habitat for coho salmon above the known migration barrier.

Project Ref	Grantee	Project Name	State
12002	KRITFWC Karuk Tribe	Klamath River Tributary Fish Passage Improvement and Arc View Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03- -	Watershed and Sub-basin Planning and Assessment	$95,000	$0	Klamath

Project Description

This project will assess, inventory and prioritize tributaries for juvenile and / or adult salmonid fish passage, habitat, and water quality problems from Seiad Creek to Iron Gate Dam. An Arc View planning tool with layouts, themes, tables and photos/ videos will also be developed for the identified section of the Klamath River. The same (phase I) assessment is currently underway (2002 field season) for Middle Klamath tributaries between Seiad Creek and Bluff Creek.

Project Ref	Grantee	Project Name	State
32002	KRITFWC Karuk Tribe	Water quality and stream flow assessment for Mainstem Klamath River an	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03- -	Watershed and Sub-basin Planning and Assessment	$75,000	$0	Klamath

Project Description

The objective of this proposal is to enable the Karuk Tribe to assess short-term and long- term water quality and stream discharge parameters in the mainstem Klamath River and tributaries within the Karuk Ancestral Territory and other project areas. Long-term assessment includes monitoring of road decommissioning projects (e.g. Steinacher and East Ishi Pishi road decommissioning) and monitoring of key Klamath tributaries and the Klamath River mainstem.

Project Ref	Grantee	Project Name	State
12001	KRITFWC Karuk Tribe	Klamath River Tributary Fish Passage improvement and ArcView Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-02-30-DEC-02	Watershed and Sub-basin Planning and Assessment	$180,000	$0	Klamath

Project Description

The project assessed fish passage and habitat connectivity in all tributaries flowing into the Klamath River from Aikens Creek up the river to Seiad Creek. A working ArcView project with layouts, themes, tables and photos was used as a tool to facilitate development of fish passage restoration planning and implementation projects. Direct benifits to ESA listed species ranked the highest in the prioritization process.

Project Ref	Grantee	Project Name	State
HVTFD-04-HAB	KRITFWC Hoopa Valley Tribe	Physical and Biological Monitoring of HVR Tributaries	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-05-15-JUL-05	Watershed and Sub-basin Planning and Assessment	$15,673	$0	Klamath

Project Description

Permanent channel cross sections, monument photo points, and sediment sampling sites will be established in index reaches of streams adjascent to THP zones located within the Hoopa Valley Indian Reservation. These streams provide spawning and rearing habitat for SONCC ESU coho salmon, chinook salmon, and Klamath Mountain Province steelhead trout. Anadromous salmonid presence/absence and habitat utilization will be documented by employing direct observation and/or electro-fishing techniques. Sediment samples will be collected with a McNeal sampler, where feasible, or by Wolman pebble count where the use of a McNeal sampler is impractical. Sites will be revisited annually, if future funding allows.

Project Ref	Grantee	Project Name	State
HVTFD-04-IDT	KRITFWC Hoopa Valley Tribe	Inter-disciplinary Team Permitting 2004	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$19,650	$0	Klamath

Project Description

This project supports the activities of Hoopa Valley Tribal Fisheries Department (HVTFD)staff biologists and hydrologists while assessing land management activities and plans that may impact fish populations on the Hoopa Valley Indian Reservation (HVR). All land management plans are reviewed to assure compliance to both the federal ESA guidelines, and the Hoopa Tribal Forest Management Plan. In addition, areas that warrant protective measures that exceed federal and Tribal guidelines are identified and plans altered accordingly, where feasible.

Project Ref	Grantee	Project Name	State
HVTFOR-04-CD	KRITFWC Hoopa Valley Tribe	Stream Water Temperature CDR Maintenance	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-OCT-04-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$2,400	$0	Klamath

Project Description

Manufacturer recalibration of HOBO Water Temp Pro water temperature CDRs

Project Ref	Grantee	Project Name	State
HVTFOR-04-FR	KRITFWC Hoopa Valley Tribe	WARSEM Forest Road Sediment Model	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-OCT-04-30-SEP-05	Watershed and Sub-basin Planning and Assessment	$49,818	$0	Klamath

Project Description

Assess the quanity of sediment delivered to streams by the 400 mile network of Reservation forest roads.

Project Ref	Grantee	Project Name	State
HTEPA-03-INVE	KRITFWC Hoopa Valley Tribe	Bentic Marco-Invertebrate Sampling	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-02-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$12,000	$0	Klamath

Project Description

Project will establish the 3rd year basline information concerning aquatic macro-invertebrate abundance and diversity. A tfer the 3rd season of monotoring trends in water quality and fish habitat conditions can be adequately evaluated as indictors of stream/river health.

Project Ref	Grantee	Project Name	State
HVTFD-03-HAB	KRITFWC Hoopa Valley Tribe	Physical and Biological Monitoring of HVR Tributaries	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04- -	Watershed and Sub-basin Planning and Assessment	$11,000	$0	Klamath

Project Description

Permanent channel cross sections, monument photo points, and sediment sampling sites will be established in index reaches of Pine, Soctish, and Hostler creeks, located within the Hoopa Valley Indian Reservation. These streams provide spawning and rearing habitat for SONCC ESU coho salmon, chinook salmon, and Klamath Mountain Province steelhead trout. Anadromous salmonid presence/absence and habitat utilization will be documented by employing direct observation and/or electro-fishing techniques. Sediment samples will be collected with a McNeal sampler, where feasible, or by Wolman pebble count where the use of a McNeal sampler is impractical. Sites will be revisited annually, if future funding allows.

Project Ref	Grantee	Project Name	State
HVTFD-03-IDT	KRITFWC Hoopa Valley Tribe	Inter-disciplinary Team Permitting 2003	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-03-30-SEP-04	Watershed and Sub-basin Planning and Assessment	$19,000	$0	Klamath

Project Description

This project supports the activities of Hoopa Valley Tribal Fisheries Department (HVTFD)staff biologists and hydrologists while assessing land management activities and plans that may impact fish populations on the Hoopa Valley Indian Reservation (HVR). All land management plans are reviewed to assure compliance to both the federal ESA guidelines, and the Hoopa Tribal Forest Management Plan. In addition, areas that warrant protective measures that exceed federal and Tribal guidelines are identified and plans altered accordingly, where feasible.

Project Ref	Grantee	Project Name	State
Hoopa EPA - FY	KRITFWC Hoopa Valley Tribe	Continous Data Recorder Maintenance and Discharge Measurements	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-02-30-SEP-03	Watershed and Sub-basin Planning and Assessment	$26,001	$0	Klamath

Project Description

Continuouse Data Recorder monitoring stations provide real time quantitative water quality data used to evaluate the impacts of land management activities on three anadromous producing strams. Stream turbidity, temperature, and discharge are recorded dailt and evaluated quarterly.

Project Ref	Grantee	Project Name	State
Hoopa EPA - FY	KRITFWC Hoopa Valley Tribe	Installation of Continuous Water Quality Monitoring Station (Upper Basin o	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-MAY-04-30-SEP-04	Watershed and Sub-basin Planning and Assessment	$17,000	$0	Klamath

Project Description

Project will establish baseline water quality and hydrologic conditions in the upper reaches of Pine Creek drainage. In addition, project desined to monitor water quality from water bodies that flow into the reservation that will need to meet Tribal water quality standards.

Project Ref	Grantee	Project Name	State
HVTFD-02-HAB	KRITFWC Hoopa Valley Tribe	Physical and Biological Monitoring of HVR Tributaries 2002 (Burnt Ranch,	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-MAY-02-15-AUG-02	Watershed and Sub-basin Planning and Assessment	$31,000	$0	Klamath

Project Description

In recent years, measures have been enacted by Tribal-land managers that provide better protection of riparian and riverine systems, yet little is known about the recovery rate of impacted streams or whether or not streams are, in fact, recovering from past land management activities. In the summer months of 2002, the Hoopa Valley Tribal Fisheries Department (HVTFD) conducted habitat typing surveys on portions of Burnt Ranch Creek, Snow Camp Creek, South Fork Soctish Creek and Supply Creek, small streams located on the Hoopa Valley Indian Reservation (HVR). The primary objective of this study was to document existing instream habitat conditions and establish baseline information for future monitoring efforts; the ultimate goal being the detection of trends in habitat availability and quality. These streams support naturally spawning populations of SONCC ESU coho salmon, Klamath Mountain Province steelhead trout, and chinook salmon. Habitat-typing and LWD surveys were conducted and results were compared to NMFS "Matrix of Pathways and Indicators" . Report completed: "EVALUATION OF HABITAT CONDITIONS AND ANADROMOUS SALMONID PRESENCE/ABSENCE ON BURNT RANCH AND SNOW CAMP CREEKS OF THE PINE CREEK WATERSHED, HOOPA VALLEY INDIAN RESERVATION, 2002"; PREPARED BY HOOPA VALLEY TRIBAL FISHERIES DEPARTMENT, September,2002.

Project Ref	Grantee	Project Name	State
HVTFD-02-IDT	KRITFWC Hoopa Valley Tribe	Inter-disciplinary Team Permitting 2002	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JAN-02-31-DEC-02	Watershed and Sub-basin Planning and Assessment	$19,365	$0	Klamath

Project Description

This project supports the activities of Hoopa Valley Tribal Fisheries Department (HVTFD)staff biologists and hydrologists while assessing land management activities and plans that may impact fish populations on the Hoopa Valley Indian Reservation (HVR). All land management plans are reviewed to assure compliance to both the federal ESA guidelines, and the Hoopa Tribal Forest Management Plan. In addition, areas that warrant protective measures that exceed federal and Tribal guidelines are identified and plans altered accordingly, where feasible.

Project Ref	Grantee	Project Name	State
HVTFOR649_04	KRITFWC Hoopa Valley Tribe	Pre and Post Timber Harvest Stream Monitoring(HYDROLOGIST)	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-NOV-02-30-SEP-04	Watershed and Sub-basin Planning and Assessment	$60,000	$0	Klamath

Project Description

Instream monitoring of the impacts of timber harvest

Project Ref	Grantee	Project Name	State
HVTFD-01-HAB	KRITFWC Hoopa Valley Tribe	Habitat and Channel Evaluations Soctish, Pine and Hostler Creeks (FY200	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAY-01-01-AUG-01	Watershed and Sub-basin Planning and Assessment	$19,341	$0	Klamath

Project Description

In recent years, measures have been enacted by Tribal-land managers that provide better protection of riparian and riverine systems, yet little is known about the recovery rate of impacted streams or whether or not streams are, in fact, recovering from past land management activities. In the summer months of 2000 and 2001, the Hoopa Valley Tribal Fisheries Department (HVTFD) conducted habitat typing surveys on portions of Pine Creek, Hostler Creek and Soctish Creek; small streams located on the Hoopa Valley Indian Reservation (HVR). The primary objective of this study was to document existing instream habitat conditions and establish baseline information for future monitoring efforts; the ultimate goal being the detection of trends in habitat availability and quality. These streams support naturally spawning populations of SONCC ESU coho salmon, Klamath Mountain Province steelhead trout, and chinook salmon.

Project Ref	Grantee	Project Name	State
HVTFD-01-IDT	KRITFWC Hoopa Valley Tribe	Inter-disciplinary Team Permitting 2001	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JAN-01-31-DEC-01	Watershed and Sub-basin Planning and Assessment	$15,000	$0	Klamath

Project Description

This project supports the activities of Hoopa Valley Tribal Fisheries Department (HVTFD)staff biologists and hydrologists while assessing land management activities and plans that may impact fish populations on the Hoopa Valley Indian Reservation (HVR). All land management plans are reviewed to assure compliance to both the federal ESA guidelines, and the Hoopa Tribal Forest Management Plan. In addition, areas that warrant protective measures that exceed federal and Tribal guidelines are identified and plans altered accordingly, where feasible.

Project Ref	Grantee	Project Name	State
HVTFD-00-HAB	KRITFWC Hoopa Valley Tribe	Habitat and Channel Evaluations Soctish, Pine and Hostler Creeks (FY200	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-00-01-AUG-00	Watershed and Sub-basin Planning and Assessment	$32,542	$0	Klamath

Project Description

In recent years, measures have been enacted by Tribal-land managers that provide better protection of riparian and riverine systems, yet little is known about the recovery rate of impacted streams or whether or not streams are, in fact, recovering from past land management activities. In the summer months of 2000 and 2001, the Hoopa Valley Tribal Fisheries Department (HVTFD) conducted habitat typing surveys on portions of Pine Creek, Hostler Creek and Soctish Creek; small streams located on the Hoopa Valley Indian Reservation (HVR). The primary objective of this study was to document existing instream habitat conditions and establish baseline information for future monitoring efforts; the ultimate goal being the detection of trends in habitat availability and quality. These streams support naturally spawning populations of SONCC ESU coho salmon, Klamath Mountain Province steelhead trout, and chinook salmon.

Project Ref	Grantee	Project Name	State
008 04 SA	ID OSC	USBWP Project Planning and Scoping	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-31-DEC-05	Watershed and Sub-basin Planning and Assessment	$72,793	$18,198	Salmon

Project Description

This project will provide resources necessary to complete essential pre-implementation planning and project scoping for a select number of habitat protection and restoration projects that have been identified as priorities by the Upper Salmon Basin Watershed Project (USBWP).

In past years a number of high-profile projects deemed vital to salmon recovery efforts in the Salmon subbasin have failed in the implementation stage due to a lack of adequate pre-implementation planning. This project will allow the USBWP to hire a planner/implementer who will work with willing landowners to effectively plan and implement habitat restoration projects in the Salmon subbasin.

The USBWP has identified five high priority projects that require additional planning and scoping. All five projects address removal of barriers to anadromous fish passage and/or reconnection of currently disconnected habitat or flow in the Salmon subbasin. Disconnected tributaries and altered flow regimes were identified as limiting factors in the Stream Habitat Inventory Report (2002), Model watershed Plan (1995), and the draft Salmon Subbasin Plan (2004). The five projects identified for additional planning and scoping under this project include Pahsimeroi-Sulpher Creek/Pahsimeroi Barrier Removal, which will allow fish passage between the lower and upper Pahsimeroi River; reconnect of Beaver Creek to the Salmon River in the Stanley Basin; reconnect of Big Eight Mile Creek to the Lemhi River; reconnect of Big Timber Creek to the Lemhi River; and reconnect of Bohannon Creek to the Lemhi River.

These five projects that will be coordinated through this project were identified as important components of the Lemhi Conservation Agreement and the Upper Salmon Basin Conservation Memorandum of Understanding. All five proposed projects are located on streams where flow is interrupted between the headwaters and the confluence. Each of the five projects will require substantial coordination with, and cooperation from, private landowners.

Implementation of this project will benefit Snake River Basin ESU steelhead and Snake River ESU spring/summer run Chinook salmon. Bull trout, westslope cutthroat, redband rainbow trout are also present in this watershed. Additional landowner contacts and project development will be pursued as opportunities arise.

Project Ref	Grantee	Project Name	State
2003-4-11	CRITFC Yakama Tribes	PCSRF Administration Assistance and Yakama Nation Staff Coordination	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-31-DEC-05	Watershed and Sub-basin Planning and Assessment	$51,820	$0	Yakima

Project Description

Provide funding for administrative assistance and bookkeeping for proposed and on-going PCSRF projects, and staff coordination for future PCSRF activities.

Project Ref	Grantee	Project Name	State
2002-4-05	CRITFC Yakama Tribes	Prosser Heavy Equipment	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	22-MAY-03-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$57,000	$0	Yakima

Project Description

Acquisition of a backhoe loader is required for the operation and maintenance of production/acclimation facilities key to the reintroduction of anadromous fish species in the Yakama and Klickitat Basins. This piece of equipment would be utilized at all Tribal and YKFP facilities involved in fish restoration activities including the construction of settling ponds to meet federal clean water requirements, reduction of sediment influx into the production facilities and the creation of acclimation sites in the Yakima and Klickitat River sub-basins, including their tributaries. While a portion of this work is geared toward Coho, which is not an ESA listed species in the Basins, Coho has been shown to be an important source of ocean derived nutrients which are lacking in the basins and important for the recovery of other listed species including Bull Trout, Steelhead and a variety of terrestrial species.

Project Ref	Grantee	Project Name	State
2002-1-01	CRITFC Nez Perce Tribe	Little Salmon Falls Adjustment	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	10-SEP-02-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$135,544	$0	Salmon

Project Description

Completion of a feasibility study for the Little Salmon Falls River adjustment, completion of NEPA analysis on the falls adjustment, completion of Little Salmon Watershed Aquatic Assessment.

Project Ref	Grantee	Project Name	State
2001-1-02	CRITFC Nez Perce Tribe	Wallowa County Culvert Inventory	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-JAN-02-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$174,925	$0	Lower Snake

Project Description

Over 1,128 culverts in Wallowa County have been identified as needing a survey. Project will focus on those with fish passage issues in order to assess and prioritize rehabilitation work.

Project Ref	Grantee	Project Name	State
2000-1-02	CRITFC Nez Perce Tribe	Cottonwood Creek Acclimation Facility Modifications for Fall Chinook	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	26-OCT-00-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$87,500	$0	Lower Snake

Project Description

Project's goal is to improve adult returns of fall Chinook to the Grande Ronde River with the intent of enhancing natural production. These fish will contribute to the naturally produced Snake River fall Chinook returning above Lower Granite toward the delisting goal of 2,500 (geometric means over 8 years). To facilitate acclimation of fall Chinook it would be necessary to modify the Cottonwood Creek Facility by developing an intake and water supply line from the mainstem Grande Ronde River. Project expected to be completed by June 2004.

Project Ref	Grantee	Project Name	State
NFFP5000-4-000	Coquille	Development of Coquille River Sub-basin Restoration Plan	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-01-JUN-05	Watershed and Sub-basin Planning and Assessment	$50,000	$0	Southern Oregon Coastal

Project Description

Work Activities a) establish a framework for cooperator working relationships and coordination, b) review existing watershed restoration plans, watershed analysis and action plan documents, c) compile existing information/data, d) identify information gaps and assess data needs, e)gather and compile new data to fulfill identified needs, and f) analyze existing information and new data and identify threats and specific factors limiting production of salmon populations.

Project Ref	Grantee	Project Name	State
CCT04-3	Colville None	Okanogan Subbasin and Upper Columbia River Watershed Planning and	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-SEP-04-31-AUG-07	Watershed and Sub-basin Planning and Assessment	$166,193	$0	Upper Columbia

Project Description

This project is an ongoing planning and coordination project (see CCT02-6 and CCT03-4). This project will allow the Colville Tribes to develop and maintain capacity to participate in regional salmon recovery, coordination and watershed planning activities. Participation in these processes is essential to the success of the Colville Tribes' Chinook salmon and steelhead conservation and restoration activities; and to the effective implementation of recovery efforts at the local and Columbia River Basin scale.

Activities completed under the scope of this project will: 1) increase the Colville Tribes' capacity to actively participate in technical forums, regional coordination efforts, development of regional and basinwide research, monitoring and evaluation programs, regional and local watershed planning and assessment efforts, transboundary coordination related to ESA and Canadian Species at Risk Act, and participation in local government and citizen forums related to Chinook and steelhead conservation and recovery; and 2) fulfill the PCSRF project administration and coordination needs directly associated with PCSRF funding.

Project Ref	Grantee	Project Name	State
CCT03-4	Colville	Upper Columbia Basin Salmon Recovery Planning and Coordination	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-SEP-03-31-OCT-04	Watershed and Sub-basin Planning and Assessment	$163,937	$0	Upper Columbia

Project Description

Funding provided through this project provides for Tribal participation in regional and local sub-basin planning and assessment activities, watershed planning, salmon recovery planning and coordination activities, and participation in regional technical and planning forums necessary to successful salmon recovery efforts in the Upper Columbia. Using funds provided through this project Colville Tribal representatives have participated in planning,coordination and assessment activities that have direct impacts on the recovery of Okanogan River summer Chinook, Upper Columbia ESU summer steelhead, spring Chinook and sockeye salmon. A number of these processes have resulted in planning documents, development of measureable goals and objectives, and/or reports.

Without this funding source the Colville Tribes' ability to participate in these many different assessment, planning and coordination processes would be significantly curtailed. Specific forums and planning activities the Colville Tribes' representatives participated in using FY03 PCSRF iinclude: the Upper Columbia Salmon Recovery Board, Okanogan Subbasin Planning, Upper Columbia Regional Technical Team, Okanogan Tonasket Irrigtion District Joint Committee, Interior Columbia Technical Review Team, Pacific Northwest Aqwuatic Monitoring Partnership, ongoing Mid-Columbia HCP coordination, U.S. v. Oregon discussions, and ongoing coordination with Canadian First Nations in the Okanogan subbasin and with relevant Canadian agencies.

This project also includes funding for administrative support necessary to implement PCSRF. Activities completed using these funds include: completion of necessary applications, completion of semi-annual and annual reporting, compiling records associated with individual projects, and coordinating with Colville Tribes' staff and subcontractors.

Project Ref	Grantee	Project Name	State
CCT02-6	Colville	Upper Columbia Basin Salmon Recovery, Restoration and Enhancement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-SEP-02-31-AUG-05	Watershed and Sub-basin Planning and Assessment	$135,504	$0	Upper Columbia

Project Description

Actions completed through implementation of this project include the Colville Tribes participation in, and coordination with, Upper Columbia Salmon Recovery Board, Okanogan Subbasin Planning, Columbia Basin Strategy Team, Anadromous Fish Committee, Upper Columbia Regional Technical Team, RMandE Collaborative Process, the regional TRT, Washington State Comprehensive Monitoring Strategy - Habitat Technical Group, and the Colville Tribal Hatchery Advisory committee. In addition, project activities include ongoing administration of PCSRF, and development of a semi-annual report and annual report.

Project Ref	Grantee	Project Name	State
CCT01-3	Colville	Salmon Recovery Planning and Coordination	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	04-DEC-01-31-AUG-04	Watershed and Sub-basin Planning and Assessment	$60,509	$0	Upper Columbia

Project Description

Funding provided through this project allowed Colville Tribes' representatives to actively participate in the following salmon recovery, technical, and watershed planning forums: Upper Columbia Salmon Recovery Board, Columbia Basin Strategy Team, Anadromous Fish Committee, Upper Columbia Regional Technical Team, RMandE Collaborative Process, Technical Recovery Team, Washington State Comprehensive Monitoring Strategy - Habitat Technical Group, Okanogan/Similkameen subbasin summary planning team, and Transboundary work groups. Through their participation in these processes, the Colville Tribes contributed to the ongoing development of watershed plans, technical information that will be used by watershed planning groups, development of implementation prioritization frameworks, and salmon recovery plans.

Project Ref	Grantee	Project Name	State
705150	CDFG	Archeological and Rare Plant Surveys	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$300,000	$0	California

Project Description

Conduct archeological resources and rare plant surveys on approximately 100 proposed fish habitat restoration projects to identify all prehistoric and/or historic archeological resources, or sites of ethnic significance and presence or non-presence of rare plants.

Project Ref	Grantee	Project Name	State
705176	CDFG	Phase II In-Stream Restoration Design for Lower Redwood Creek at the B	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$86,625	$0	San Francisco Bay

Project Description

An analysis, hydraulic model and construction-ready design for in-stream large woody debris and possible floodplain reconnection will be prepared for two subreaches totaling 2,500 linear feet of Lower Redwood Creek along the Banducci Site, a former agricultural site.

Project Ref	Grantee	Project Name	State
705177	CDFG	Salmon River Watershed Organization Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-31-MAY-05	Watershed and Sub-basin Planning and Assessment	$57,125	$0	Klamath

Project Description

Through cooperative planning and implementing efforts, continue to educate, train and involve community members, and coordinate with managing agencies and the Karuk Tribe of California to identify, protect, and restore anadromous fisheries and habitats in the Salmon River subbasin.

Project Ref	Grantee	Project Name	State
705178	CDFG	Sugar Creek Watershed Road Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-31-MAR-06	Watershed and Sub-basin Planning and Assessment	$35,437	$0	Klamath

Project Description

Identify and characterize road-related sediment sources on lands owned by fruit Growers supply company that are most likely to impact fishery resources and formulate recommendations for cost-effective erosion prevention and control measures.

Project Ref	Grantee	Project Name	State
705185	CDFG	FishNet 4C- Fishery Network of the Central California Coastal Counties	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-04-30-JUN-05	Watershed and Sub-basin Planning and Assessment	$118,900	$0	California

Project Description

Support the efforts of the six Central California Coastal Counties to protect and restore anadromous salmon and their habitat.

Project Ref	Grantee	Project Name	State
705186	CDFG	Napa River Restoration - Rutherford Reach - Organization Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$51,762	$0	San Francisco Bay

Project Description

Support the Rutherford Dust Restoration team. Work to be completed includes maintaining landowner support and access for the restoration plan, facilitating public meetings and educational workshops, fund-raising for project implementation, coordinating ongoing monitoring, and regulatory agency coordination for project implementation.

Project Ref	Grantee	Project Name	State
705194	CDFG	Fish Habitat Specialists	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-MAY-04-15-MAR-06	Watershed and Sub-basin Planning and Assessment	$185,713	$0	California

Project Description

Expand CCC fish habitat improvement work projects to key coastal watersheds on the central and southern California coastline by funding two Fish Habitat Assistants for two years to provide administrative support/field support to DFG staff responsible for oversight fisheries habitat restoration projects in their respective regions.

Project Ref	Grantee	Project Name	State
705234	CDFG	Del Norte Coastal Stream Habitat Improvement Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$52,056	$0	Northern California Coastal

Project Description

Continue efforts with private streamside owners and local volunteers to plan and coordinate effective watershed improvement within the Lake Earl Lagoon and Elk Creek watersheds. Priority will focus on areas of streams and stream reaches with no previous watershed support.

Project Ref	Grantee	Project Name	State
705287	CDFG	Scott River Watershed: Council/Education/Outreach (CEO)	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-31-MAY-05	Watershed and Sub-basin Planning and Assessment	$74,058	$0	Klamath

Project Description

Provide organizational support to the Scott River Watershed Council for the purpose of developing restoration projects that will benefit anadromous fish populations and habitat, provide watershed education to local schools and the community at large, and implement an enhanced outreach program to attract the attention of critical participants in watershed restoration.

Project Ref	Grantee	Project Name	State
705307	CDFG	Yontocket Slough Access and Estuarine Habitat Improvement Planning Pr	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-31-MAR-06	Watershed and Sub-basin Planning and Assessment	$34,899	$0	Northern California Coastal

Project Description

Develop a range of alternatives for improving fish passage and estuarine habitat to guide restoration efforts in Yontocket Slough and Tryon Creek.

Project Ref	Grantee	Project Name	State
705313	CDFG	Rincon Creek Watershed Plan	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-MAY-04-15-MAR-06	Watershed and Sub-basin Planning and Assessment	$114,602	$0	Central California Coastal

Project Description

Develop a community-based watershed restoration plan for the Rincon Creek Watershed in Santa Barbara and Ventura Counties. The Community Environmental Council is submitting a related Watershed Organization Support and Assistance grant proposal to organize a community-based watershed stake holder group, which would broaden and expedite public participation in the watershed planning effort.

Project Ref	Grantee	Project Name	State
705323	CDFG	Five Counties Salmonid Conservation Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$370,200	$0	California

Project Description

Continue the Five Counties Salmonid Conservation Program's multiple-County, watershed-based conservation strategy of addressing biological, watershed, political, social and economic effects of declining salmonid populations.

Project Ref	Grantee	Project Name	State
705365	CDFG	Hollow Tree Creek Watershed Assessment Project Phase II	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$37,435	$0	Northern California Coastal

Project Description

Upslope sediment assessment of 50 miles of Hollow Tree Creek basin with appropriate upslope and instream restoration prescriptions.

Project Ref	Grantee	Project Name	State
705376	CDFG	Tri-County F.I.S.H. Team (TCFT)	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-MAY-04-15-MAR-06	Watershed and Sub-basin Planning and Assessment	$68,500	$0	Central California Coastal

Project Description

The FCFT will provide regional organization for fish issues with a focus on threatened and endangered steelhead in the Tri-County area (San Luis Obispo, Santa Barbara and Ventura Counties). The FCFT will develop BMPs for in-channel and riparian activities, a region-wide barrier inventory and restoration project priority list; provide technical training workshops; and foster public outreach.

Project Ref	Grantee	Project Name	State
705407	CDFG	Complete Fish Habitat Inventory in Sonoma Creek Watershed	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$39,047	$0	California

Project Description

This project will complete habitat survey work for the Sonoma Creek watershed on the remaining third of the watershed using the DFG Manual, produce a detailed GIS database of habitat information, and analyze the data to provide guidance for restoration planning.

Project Ref	Grantee	Project Name	State
705419	CDFG	DFG CA Coastal Watershed Assessment Program Scientific and Technica	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$309,703	$0	California

Project Description

The DFG Coastal Watershed Assessment Program conducts large scale watershed assessments. Its multi-disciplinary, systematic, basin level assessments include analyses of factors limiting or benefiting (LFA) salmonids during their freshwater life phases in the context of the watershed processes that form and alter stream habitat conditions. This information is combined to determine areas providing refuge for salmonids. Comprehensive basin reports provide specific improvement recommendations.

Project Ref	Grantee	Project Name	State
720168	CDFG	Fish Habitat Specialists	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$0	$526,500	California

Project Description

Expand CCC fish habitat improvement work projects to key coastal watersheds on the central and southern California coastline by funding two Fish Habitat Assistants for two years to provide administrative support/field support to DFG staff responsible for oversight fisheries habitat restoration projects in their respective regions.

Project Ref	Grantee	Project Name	State
704703	CDFG	Archeological and Rare Plant Surveys	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$0	$202,880	San Joaquin

Project Description

Conduct archeological resources and rare plant surveys on approximately 100 proposed fish habitat restoration projects to identify all prehistoric and/or historic archeological resources, or sites of ethnic significance and presence or non-presence of rare plants.

Project Ref	Grantee	Project Name	State
704722	CDFG	Road Assessment and Restoration Planning in the Lower South Fork Trinit	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	27-JUN-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$0	$98,138	Klamath

Project Description

To prioritize road sites for treatment based on the potential (risk) for sediment delivery, potential volume of sediment delivered, and impacts on downstream resources.

Project Ref	Grantee	Project Name	State
704731	CDFG	Canoe Creek Watershed Rehabilitation Plan	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$37,146	$0	Northern California Coastal

Project Description

Identify and prioritize logging and service roads and subwatersheds throughout the Canoe Creek watershed for heavy equipment and vegetative treatments of anthropogenically related sedimentation.

Project Ref	Grantee	Project Name	State
704737	CDFG	Lower Eel Basin Watershed Organizational Support Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$0	$98,615	Northern California Coastal

Project Description

Direct assistance to landowners and landowner based watershed groups, leading to resource conservation and fisheries habitat improvements, by providing funding to support HCRCD project manager, technical team and clerical staff; matching 319h or other implementation funds.

Project Ref	Grantee	Project Name	State
704741	CDFG	Old Creek Road Crossing Replacement - Phase I	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-15-MAR-05	Watershed and Sub-basin Planning and Assessment	$0	$111,540	Ventura-San Gabriel Coastal

Project Description

Remove existing passage barrier created by an in-stream road crossing with pipe culvert and replace with bridge designed to a 100-year plain flood standard. This phase of the project is the preparation of construction plans/specifications and the acquisition of the rights-of-way.

Project Ref	Grantee	Project Name	State
704749	CDFG	Upper Mark West Creek Sediment Source Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-14-MAY-04	Watershed and Sub-basin Planning and Assessment	$16,100	$0	Northern California Coastal

Project Description

To complete an inventory along 20 miles along several roads systems within the upper Mark West Creek watershed, tributary of the Russian River that will identify and detail cost effective erosion prevention and control projects that can be undertaken to reduce the risk of future erosion and sediment delivery into Mark West Creek and its tributaries.

Project Ref	Grantee	Project Name	State
704752	CDFG	NGO Participation in Coho Protection and Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$0	$123,000	Northern California Coastal

Project Description

To provide financial support for NGO leadership and participation on the protection and recovery of coho salmon with the objective of developing adequate measures and a plan to protect and recover endangered coho salmon to the level of abundance, which would once again allow harvest of the species.

Project Ref	Grantee	Project Name	State
704763	CDFG	San Pedro Creek Watershed Coalition	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$75,900	$0	San Francisco Bay

Project Description

To develop classic fisheries projects that are recommended in the San Pedro Creek Watershed Assessment and Enhancement Plan.

Project Ref	Grantee	Project Name	State
704764	CDFG	Coast Road Watershed Erosion and Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$16,823	$0	Central California Coastal

Project Description

Conduct a partial watershed study within the road right-of-way and identify erosion sites, recommend site-specific treatments, train MCPWD personnel in watershed field assessment protocol, and develop best management activities.

Project Ref	Grantee	Project Name	State
704770	CDFG	Russian River Watershed Council organization development	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$185,000	$0	Northern California Coastal

Project Description

Coordinate efforts within the Russian River watershed to reduce riparian impacts and restore salmonid habitat through development of a watershed assessment and management plan that involves a wide variety of watershed stakeholders from Sonoma and Mendocino counties.

Project Ref	Grantee	Project Name	State
704779	CDFG	Diamond R and Grandy Ranch Plans	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$63,043	$0	Northern California Coastal

Project Description

Identify and evaluate the factors limiting anadromous salmonid populations on Diamond R Ranch, and the Grandy Ranch, and develop ranch plans for each that will result in documents that communicate restoration goals, establish priorities for restoration effort, and identify specific project sites and design.

Project Ref	Grantee	Project Name	State
704781	CDFG	Lower Eel Road Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$60,000	$0	Northern California Coastal

Project Description

Conduct a 100 mile road sediment source survey, and inventory potential sediment delivery to native salmonid bearing streams with the result of quantitative identification of sediment delivery potential and prioritization of road segments in need of stormproof implementation and or maintenance. Develop and submit 4 correction implementation proposals.

Project Ref	Grantee	Project Name	State
704783	CDFG	Watershed Outreach, Education, and Technical Assistance for the San Lo	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$105,929	$0	Central California Coastal

Project Description

To coordinate and facilitate outreach, education, and technical assistance that will enhance and restore fisheries in the San Lorenzo Watershed.

Project Ref	Grantee	Project Name	State
704786	CDFG	Fish Habitat Specialists	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$329,745	$0	Lower Sacramento

Project Description

To expand CCC fish habitat improvement work projects to key coastal watersheds of California by funding 4 Fish Habitat Specialists for 2 years to provide administrative support to DFG's CCC Coordination Staff and Basin Planners responsible for oversight of CCC fisheries habitat restoration program.

Project Ref	Grantee	Project Name	State
704787	CDFG	Central Napa River Watershed Plan	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$118,975	$0	San Francisco Bay

Project Description

To complete the second phase of a Napa River basin-wide plan by creating a Watershed Management Plan for the Central Napa River watershed, to provide training in scientific skills to community members, and to encourage watershed stewardship.

Project Ref	Grantee	Project Name	State
704792	CDFG	FishNet 4C-Fishery Network of the Central California Coast Counties	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$129,800	$0	California

Project Description

Support the efforts of the six Central Cal. Coast Counties to respond to conservation needs of federally listed a salmonid species.

Project Ref	Grantee	Project Name	State
704793	CDFG	Alameda Creek Fisheries Restoration Workgroup	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-APR-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$34,628	$0	San Francisco Bay

Project Description

Advance proposed steelhead restoration in Alameda Creek by assisting the Workgroup with: 1)admistrative tasks; 2) expanding the stakeholder network; and 3) submitting proposals for funding of capital projects associated with the program.

Project Ref	Grantee	Project Name	State
704796	CDFG	Smith River Watershed Coordinator	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	03-JUN-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$48,757	$0	Northern California Coastal

Project Description

Support the Smith River Advisory Council with community education and outreach, develop landowner cooperation and involvement in anadromous fish enhancement projects, coordinate restoration projects in the basin, and act as liaison between private and public entities.

Project Ref	Grantee	Project Name	State
704798	CDFG	Cuddeback Creek Erosion Assessment Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-02-SEP-04	Watershed and Sub-basin Planning and Assessment	$28,273	$0	Northern California Coastal

Project Description

Improve salmonid habitat through a site specific assessment of erosion problems as they relate to water quality for salmonids, on the Simpson Resource Company forest roads in the cuddeback, Wilson and Fielder Creek Watersheds, for the purpose of implementing erosion control measures and watershed restoration planning.

Project Ref	Grantee	Project Name	State
704803	CDFG	Salmon Creek Watershed Assessment and Restoration Plan	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$142,162	$0	Northern California Coastal

Project Description

1) Develop an overview of the condition of the watershed through assessments of land use, erosion sources, insteam habitat, riparian condition, and water quality and quantity, and create a Watershed Restoration Plan; 2) Increase public awareness and stewardship of the watershed's natural resources; 3) Capacity building

Project Ref	Grantee	Project Name	State
704810	CDFG	Overland Subdivision/Dean Creek Watershed Erosion Hazard Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$2,661	$0	Northern California Coastal

Project Description

Conduct systematic inventory of the road and land use related erosion hazards and active sediment sources in the Overland subdivision on 4.75 miles of unpaved primary vehicle access roads and approx. 3.25 miles of abandoned secondary roads. Results will be presented within six months of the surveys' conclusion in a planning report that will include a prioritized site treatment list sorted according to the degree of hazard to coho, chinook, and steelhead in the headwaters of Dean Creek, cost/benefit analysis, and access feasibility.

Project Ref	Grantee	Project Name	State
704822	CDFG	Protecting Watersheds on Private Lands	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$80,000	$0	Klamath

Project Description

To educate landowners and the general public about land trusts and conservation tools so they can protect and restore their watersheds and the anadromous salmonid habitat they contain, while maintaining working and wild landscapes.

Project Ref	Grantee	Project Name	State
704829	CDFG	Fish Creek Subdivision Upslope Survey Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$2,961	$0	Northern California Coastal

Project Description

Conduct a systematic inventory of the road and land use related erosion hazards and active sediment sources in the Fish Creek subdivision on approx. 6.0 miles of unpaved primary vehicle access roads and 3.0 miles of abandoned secondary roads.

Project Ref	Grantee	Project Name	State
704837	CDFG	Woodman Creek Watershed Assessment and Restoration Planning Projec	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$24,647	$0	Northern California Coastal

Project Description

Reduce impacts, eliminate erosional threats and restore salmonid habitat through the development of a site specific and prioritized plan for cost-effective erosion prevention, erosion control and habitat restoration fro approximately 30 miles of road predominantly within the Woodman Creek watershed north of Laytonville, CA.

Project Ref	Grantee	Project Name	State
704840	CDFG	Salmon Creek Watershed Assessment 2003	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$0	$26,180	Northern California Coastal

Project Description

to continue the development of a watershed assessment plan for the Salmon Creek Watershed.

Project Ref	Grantee	Project Name	State
704857	CDFG	Jacoby Creek Land Trust Organization Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	02-JUN-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$61,490	$0	Northern California Coastal

Project Description

Support the Jacoby Creek Land Trust to continue successful establishment of riparian easements along Jacoby Creek, develop riparian restoration plans for established conservation easements, and conduct outreach and education focusing on landowners in the Jacoby Creek watershed.

Project Ref	Grantee	Project Name	State
704861	CDFG	Five Counties Salmonid Conservation Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-MAY-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$362,450	$0	Klamath

Project Description

Continue efforts of the Five Counties Salmon Conservation Program to conserve and restore federally listed salmonid species, appurtenant habitats and improve water quality throughout the Southern Oregon/Northern California (SONCC) and the Northern California ESU's for coho, chinook and steelhead ESUs.

Project Ref	Grantee	Project Name	State
704868	CDFG	Butte Creek Erosion Assessment Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$36,472	$0	Northern California Coastal

Project Description

Improve salmonid habitat through a site specific assessment of erosion problems as they relate to water quality for salmonids, on the rural/forest roads in the Butte Creek Watershed, for the purpose of implementing erosion control measures and watershed restoration planning.

Project Ref	Grantee	Project Name	State
704872	CDFG	Eel River Watershed Improvement Group Support and Assistance Propos	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-30-JUN-07	Watershed and Sub-basin Planning and Assessment	$130,210	$0	Northern California Coastal

Project Description

To improve the water quality, spawning and rearing habitat of salmon and steelhead throughout the Eel River system by providing salary support, office and operational expenses for two watershed coordinator positions in the Eel River basin.

Project Ref	Grantee	Project Name	State
704873	CDFG	Lower Freshwater Creek Estuary Rehabilitation Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	26-MAY-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$29,855	$0	Northern California Coastal

Project Description

Develop a conceptual estuary rehabilitation plan to restore tidal hydrology and salmonid rearing habitat to 35 acres of frequently inundated pastureland adjacent to Freshwater Slough and collect baseline data needed to develop project permitting, engineering designs, and budget estimates for project implementation.

Project Ref	Grantee	Project Name	State
704880	CDFG	Soquel Creek Watershed Assessment and Enhancement Implementation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$104,101	$0	Central California Coastal

Project Description

Implement the restoration recommendations of the Soquel Creek Watershed Assessment and Enhancement Plan.

Project Ref	Grantee	Project Name	State
704883	CDFG	Projects of BRRRC	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$20,341	$0	Northern California Coastal

Project Description

Contact all owners in watershed area to implement the Bear River Watershed Planning Project which will result in a share of information on how to maintain and improve conditions for and providing quality fish habitat including coho and chinook salmon, and steelhead. Engage in project including road and stream bank assessment, restoration, and stream temperature monitoring to collect information necessary to improve habitat.

Project Ref	Grantee	Project Name	State
704889	CDFG	Five Counties Road Erosion Inventory and Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	26-MAY-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$113,898	$0	Northern California Coastal

Project Description

Perform county road erosion assessments; inventory road culverts and stream crossings; identify road-related sources of erosion, visually observable fish barriers, and appropriate spoils disposal sites; identify and quantify future road-related sediment sources most likely to impact fish-bearing streams; and develop prioritized and site-specific recommended treatments.

Project Ref	Grantee	Project Name	State
704908	CDFG	Community Involvement/Public Education Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	02-JUN-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$12,853	$0	Northern California Coastal

Project Description

Design community volunteer restoration and maintenance programs and provide public education on watershed and fisheries issues

Project Ref	Grantee	Project Name	State
704916	CDFG	Tomales Bay Watershed Council Watershed Organization Support and As	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$106,260	$0	San Francisco Bay

Project Description

To advance and support the activities of the Tomales Bay Watershed Council. The council is developing the first comprehensive watershed stewardship plan. The plan will identify science-based, community supported restoration projects in it's streams, uplands, estuaries and marshes. It will call for specific actions, including regulatory recommendations, addressing human and agricultural waste management, grading standards, streamside protection standards and other land use issues.

Project Ref	Grantee	Project Name	State
704919	CDFG	Scott River Watershed Council	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	26-MAY-03-31-MAR-06	Watershed and Sub-basin Planning and Assessment	$74,085	$65,373	Klamath

Project Description

Organizational support for the Scott River Watershed Council.

Project Ref	Grantee	Project Name	State
704921	CDFG	District Capacity Building Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-30-MAR-05	Watershed and Sub-basin Planning and Assessment	$74,323	$0	Klamath

Project Description

Build technical and administrative capacity of the Siskiyou RCD.

Project Ref	Grantee	Project Name	State
704923	CDFG	Implementation of Scott River Water Trust Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	27-JUN-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$79,707	$0	Klamath

Project Description

Implement a local water trust, develop the institutional framework and function of the trust for the purpose of benefiting instream uses.

Project Ref	Grantee	Project Name	State
704935	CDFG	Maple Creek/Big Lagoon Watershed Inventory and Restoration Planning P	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	05-MAY-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$424,785	$0	Northern California Coastal

Project Description

Development of a site specific and prioritized plan for erosion prevention and habitat restoration in the 76.9 square mile Maple Creek watershed

Project Ref	Grantee	Project Name	State
704937	CDFG	Road Crossing Inventory and Fish Passage Evaluation of San Luis Obispo	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$38,580	$0	Central California Coastal

Project Description

Conduct an inventory of 75 county, city and privately-maintained road crossings located within anadromous stream reaches in San Luis Obispo County, assess adult and juvenile fish passage and develop a project scheduling document for San Luis Obispo County that will prioritize corrective treatments where needed.

Project Ref	Grantee	Project Name	State
704942	CDFG	Promoting Sound Resource Management Practices and Policies	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-JUN-03-30-JUN-04	Watershed and Sub-basin Planning and Assessment	$58,000	$0	Northern California Coastal

Project Description

Contractor will promote sound management and sustainability for all natural resources in our region, especially for healthy and viable watersheds and their anadromous fish populations

Project Ref	Grantee	Project Name	State
704958	CDFG	Salmon River Watershed Organization Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-APR-03-17-AUG-04	Watershed and Sub-basin Planning and Assessment	$0	$55,987	Klamath

Project Description

Sustain the efforts of the Salmon River Restoration Council in generating general public and landowner support for the protection and restoration of the Salmon River watershed.

Project Ref	Grantee	Project Name	State
704980	CDFG	Central Coast Region South District Basin Planning	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$98,992	$0	Central California Coastal

Project Description

Support basin planning, fisheries restoration and watershed restoration efforts in the region by developing and maintaining a geographic information system, performing GIS analysis and development of reports and presentations.

Project Ref	Grantee	Project Name	State
704981	CDFG	Countywide Fish Passage Barriers Assessment Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$45,190	$0	San Francisco Bay

Project Description

Conduct an inventory of approximately 90 county-maintained road crossings located within anadromous stream reaches and prioritize the most significant for corrective treatments

Project Ref	Grantee	Project Name	State
704982	CDFG	Phase II- San Lorenzo River Road-Related Erosion Assessment and Prev	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$121,084	$0	Central California Coastal

Project Description

Complete a watershed survey and road-related erosion assessment within the watershed that was started in March 2002.

Project Ref	Grantee	Project Name	State
704986	CDFG	Carpinteria Creek Watershed Coalition Organizational Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-15-MAR-05	Watershed and Sub-basin Planning and Assessment	$83,760	$0	Central California Coastal

Project Description

Provide continuing staff support for community partnership engaged in restoring priority steelhead stream. Support landowner outreach, project development, meetings and workshops, educational materials, with local media, public officials and business community.

Project Ref	Grantee	Project Name	State
704987	CDFG	San Mateo State Parks Road-Related Erosion Prevention Planning Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$70,786	$0	San Francisco Bay

Project Description

Produce an erosion-prevention plan for a 66 mile network of active surfaced and un-surfaced roads and legacy roads.

Project Ref	Grantee	Project Name	State
704996	CDFG	Steelhead Coalition Outreach: Landowner and Agency Action for Steelhea	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$46,710	$0	Central California Coastal

Project Description

Coordinate and enhance Steelhead recovery efforts throughout San Luis Obispo County through coordinated actions involving Agencies, Landowners and Watershed Nonprofits

Project Ref	Grantee	Project Name	State
705005	CDFG	Shasta Valley RCD/Shasta River CRMP Coordinator Position	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	27-JUN-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$66,506	$0	Klamath

Project Description

Fund one full time coordinator position to work for the Shasta Valley RCD and the Shasta River CRMP. The coordinator will continue community outreach, restoration support-building, project development, project implementation and project monitoring, to ensure that restoration work continues in the Shata river and increases in the Klamath River and its tributaries.

Project Ref	Grantee	Project Name	State
705012	CDFG	Forsythe Creek Watershed Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$185,875	$0	Northern California Coastal

Project Description

Create a prioritized set of guidelines for restoration of the Forsythe Creek watershed to a healthy functioning ecological system that supports anadromous fish, other biological life and balanced human uses.

Project Ref	Grantee	Project Name	State
705015	CDFG	Mainstem Eel River Group Watershed Organization, Assistance and Supp	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$56,188	$0	Northern California Coastal

Project Description

Provide salary support and operational expenses for two part-time Watershed Coordinator positions

Project Ref	Grantee	Project Name	State
705025	CDFG	Santa Monica Mountains Steelhead Habitat Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-15-MAR-05	Watershed and Sub-basin Planning and Assessment	$158,100	$0	Ventura-San Gabriel Coastal

Project Description

Conduct a comprehensive assessment of steelhead trout habitat and to develop a strategic plan for steelhead habitat restoration projects for coastal watersheds of the Santa Monica Mountains.

Project Ref	Grantee	Project Name	State
705026	CDFG	Arroyo Grande Creek Watershed Management Plan	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$173,342	$0	Central California Coastal

Project Description

Develop a community-directed, technically sound and implementable management plan for restoration of steelhead trout in the Arroyo Grande Creek Watershed.

Project Ref	Grantee	Project Name	State
705035	CDFG	Stream Crossing Inventory and Fish Passage Evaluation of County-mainta	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$42,246	$0	Northern California Coastal

Project Description

Conduct an inventory of 65 county-maintained stream crossings, assess adult and juvenile fish passage, incorporate the results into previously completed project-scheduled documents to prioritize corrective treatments and provide site-specific guidelines.

Project Ref	Grantee	Project Name	State
705040	CDFG	Santa Cruz Park District Road-Related Erosion Prevention Planning Projec	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$142,812	$0	Central California Coastal

Project Description

Produce an erosion-prevention plan that when implemented will improve and protect instream habitat by minimizing erosion attributable to 153 miles of active surfaced and un-surfaced roads and legacy roads

Project Ref	Grantee	Project Name	State
705045	CDFG	Humboldt Bay Watershed Coordinator Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$59,422	$0	Northern California Coastal

Project Description

Support the Humboldt Bay Watershed Advisory Committee to ensure that the restoration goals and objectives identified in their Humboldt Bay Watershed Salmon and Steelhead Conservation Plan are implemented. Continue coordination with stakeholders and other planning efforts.

Project Ref	Grantee	Project Name	State
705046	CDFG	Garrapata Creek Watershed Habitat Restoration Project #1	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$26,420	$0	Central California Coastal

Project Description

Create a Watershed Restoration Plan which will include options to enhance instream habitat and site by site restoration designs

Project Ref	Grantee	Project Name	State
705051	CDFG	City of Ojai Urban Watershed Assessment and Restoration Plan	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-15-MAR-05	Watershed and Sub-basin Planning and Assessment	$58,166	$0	Ventura-San Gabriel Coastal

Project Description

Conduct a baseline assessment of the city's urban watershed, identify and prioritize limiting factors, determine and analyze the limiting causes, develop specific recommendations for restoration actions

Project Ref	Grantee	Project Name	State
705054	CDFG	Watershed Festival of Events	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$27,000	$0	Central California Coastal

Project Description

Increase public awareness throughout the San Lorenzo Valley drainage basin of the fragility of the watershed and the threats to the San Lornezo River as a habitat for fish, and to educate the ways in which landowners and residents can best fulfill their responsibilities to protect the watershed and encourage the restoration of native steelhead and salmon species.

Project Ref	Grantee	Project Name	State
705058	CDFG	Jack London State Historic Park Watershed Assessment and Planning	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Watershed and Sub-basin Planning and Assessment	$20,000	$0	San Francisco Bay

Project Description

Identify, characterize and quantify sediment sources likely to impact fish-bearing streams. Develop a plan outlining and prioritizing appropriate applications for road and trail restoration for correctable or preventable sediment sources

Project Ref	Grantee	Project Name	State
705179	CDFG	Mid Klamath Watershed Council Organization Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-04-31-MAR-06	Watershed and Sub-basin Planning and Assessment	$34,931	$0	Klamath

Project Description

Provide organizational support and community outreach assistance for the Mid Klamath Watershed Council to complete specific watershed activities, including workshops and workdays, to educate landowners and provide immediate benefits to our impacted fisheries resource. This subbasin currently does not have a watershed group to facilitate, plan and implement community-based restoration activities, as noted by the Klamath river Basin Fisheries Task Force.

Project Ref	Grantee	Project Name	State
705211	CDFG	Klamath-Shasta Water Substitution Preliminary Eng. Study	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-04-31-MAR-06	Watershed and Sub-basin Planning and Assessment	$43,375	$0	Klamath

Project Description

Review previous engineering work done by the US Bureau of Reclamation and the Dept. of Water Resources in the 1920's and 1950's, seek alternatives not considered in those earlier studies, then develop preliminary cost estimates for the most promising approaches for both gravity and pumped transfer of water to the Shasta Valley.

Project Ref	Grantee	Project Name	State
705350	CDFG	Rincon Creek Watershed Council - Organizational Support and Assistance	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-04-15-MAR-06	Watershed and Sub-basin Planning and Assessment	$68,495	$0	Central California Coastal

Project Description

Organize and provide staff support for a community-based stakeholder group that would promote and restore a priority steelhead stream in Southern California where no watershed partnership or other organization effort now exists.

Project Ref	Grantee	Project Name	State
705356	CDFG	Sonoma County Roads Coho Salmon Stream Sediment Source Assessme	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$145,795	$0	Northern California Coastal

Project Description

County Roads assessment for the Porter/Mark West Creek, Porter Creek, Austin/East Austin Creek, Dutch Bill Creek, Dry Creek watersheds to complete as inventory along 198.38 miles of roads that will identify and detail cost-effective erosion prevention and control projects.

Project Ref	Grantee	Project Name	State
705423	CDFG	Fish Habitat Specialists	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-30-JUN-07	Watershed and Sub-basin Planning and Assessment	$110,029	$0	Northern California Coastal

Project Description

To expand CCC fish habitat improvement work projects to key coastal watersheds of California by funding 4 Fish Habitat Specialists for 2 years to provide administrative support to DFG's CCC Coordination Staff and Basin Planners responsible for oversight of CCC fisheries habitat restoration program.

Project Ref	Grantee	Project Name	State
720064	CDFG	Rutherford Dust Society Napa River Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$9,625	$0	San Francisco Bay

Project Description

Complete a draft restoration plan for 4 miles of Napa River. Tasks will include: complete the vegetation analysis section of the Restoration Plan, gain approval from landowners for the Plan, and present the Plan to the community

Project Ref	Grantee	Project Name	State
720066	CDFG	Gualala River Watershed Stream Inventory Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$4,896	$0	Northern California Coastal

Project Description

1.Conduct DFG standard stream inventory surveys on approximately 80 miles of streams not subject to previous survey (funded elsewhere, but does not qualify for match). All habitat protocols will be done as summarized in the below table and be in accordance with techniques described in the "California Salmonid Stream Habitat Restoration Manual".
2.Provide 75 hours of local coordinator time to facilitate landowner access permission, and provide lodging for 30 nights for 4 Americorps field crew members.

Project Ref	Grantee	Project Name	State
720070	CDFG	Jack London State Historic Park Watershed Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-03-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$9,217	$0	San Francisco Bay

Project Description

Develop a cost-effective stream-channel restoration plan aimed at restoring long-term riparian function and in-channel conditions, such as riparian vegetation and organic debris recruitment, where identified for targeted stream channels. Channel treatments could include bank erosion prevention, riparian planting, and artificial recruitment of large organic debris, among other prescriptions.

Project Ref	Grantee	Project Name	State
720075	CDFG	Sonoma Creek Fish Passage Barrier Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-03-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$25,836	$0	San Francisco Bay

Project Description

1.Secure permission for access from creekside landowners to conduct fish passage barrier assessment activities.
2.Hire Ross Taylor and Associates to provide 10 hours of detailed training in fish passage barrier assessment protocol.
3.Assess 30 ¿ 40 sites using Part IX of the California Salmonid Stream Haitat Restoration Manual: Fish Passage Evaluation at Road Crossings protocol and the ¿FishXing¿ software to identify passage limitations for anadromous salmonids and their various life stages. As appropriate, other assessment methods may be used, including Guidelines for Salmonid Passage at Stream Crossings (NMFS Southwest Region, September 2001), and Culvert Criteria for Fish Passage (CA Resources Agency and DFG, Draft, September 2001).
4.Rank the fish passage barrier sites using the criteria in Part IX of the California Salmonid Stream Haitat Restoration Manual: Fish Passage Evaluation at Road Crossings in addition to the following criteria:
a.on streams with stable geomorphic conditions suitable for the prescribed restoration
b.at sites more accessible to equipment and materials
c.at sites owned by willing landowners.
5.Confer with the Sonoma County Department of Public Works, Southern Sonoma Resource Conservation District, and California Department of Fish and Game (CDFG) staff in the ranking process.

Project Ref	Grantee	Project Name	State
720080	CDFG	Old Cazadero Road Erosion Inventory	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-SEP-03-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$13,169	$0	Northern California Coastal

Project Description

1.Implement plans to develop a comprehensive assessment of sediment sources associated with Old Cazadero Road in Sonoma County.
2.The contractor will develop a comprehensive assessment of approximately 8.5 miles of road. Assessment work will contain detailed site specific designs for erosion control and reduction of sediment inputs into habitat identified as containing salmonid fish.
3.Assessment components will include aerial photo analysis, field inventory, a prioritization of sediment producing sites and specific prescriptions for identified sites.

Project Ref	Grantee	Project Name	State
720084	CDFG	Arroyo Hondo Preserve Steelhead Habitat Enhancement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-31-AUG-04	Watershed and Sub-basin Planning and Assessment	$9,775	$0	Central California Coastal

Project Description

To prepare a steelhead habitat enhancement plan for the Arroyo Hondo Preserve in Santa Barbara County. The plan will address the need to improve passage for southern California steelhead into Arroyo Hondo Creek and recommend measures to enhance habitat quality at the creek mouth and reduce sedimentation into the lower watershed. For each of the recommended measures the plan will include final designs and specifications, cost estimates for implementation, environmental impact analysis, and a list of necessary permits.

Project Ref	Grantee	Project Name	State
720085	CDFG	Topanga Narrows Restoration Planning	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-15-FEB-04	Watershed and Sub-basin Planning and Assessment	$7,341	$0	Ventura-San Gabriel Coastal

Project Description

1.Develop the additional design alternative required by California Department of Transportation (Caltrans) to evaluate possible alternatives to repair and restore 2000 feet of undercut steambank in Topanga Creek while providing for functional use of Topanga Canyon Boulevard, which parallels this important southern steelhead creek.
2.Update and complete the Project Study Report/Project Document Study (PSR/PDS) for the Topanga Narrows Project. The tasks required to complete the project include, but is not limited to, clarification of right-of-way issues for the alternatives, revise the project design for Alternative 1, develop the project design for the new Caltrans¿ required alternative to meet Caltrans specifications, and digitize all related maps.

Project Ref	Grantee	Project Name	State
720087	CDFG	Lower Van Duzen River Riparian and Channel Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$9,999	$0	Northern California Coastal

Project Description

1.Survey by aerial photography, assess, prioritize, and recommend restoration treatments for riparian vegetation, and channel erosion features on the lower 10.5 miles of the Van Duzen River in Humboldt County. The recommended restoration treatments will identify project work that improves habitat for coho, Chinook, and steelhead.
2.The Grantee will take an air photo sequence of the lower Van Duzen River corridor and riparian zone which captures an area 10.5 miles long and as wide as river channel plus the riparian area three hundred feet outside the bankfull area.

Project Ref	Grantee	Project Name	State
720460	CDFG	Salt River Restoration Project Coordination	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-03-30-SEP-04	Watershed and Sub-basin Planning and Assessment	$9,998	$0	Northern California Coastal

Project Description

Creation of the Lower Eel River Delta Local Watershed Advisory Group (LWAG), coordinate at least two educational/technical review field tours for LWAG members, agency personnel, and interested local community members, also retain consultants, develop a funding strategy

Project Ref	Grantee	Project Name	State
720469	CDFG	Steelhead Migration Barrier Inventory for the Santa Ynez River	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-OCT-03-30-DEC-03	Watershed and Sub-basin Planning and Assessment	$34,231	$0	Central California Coastal

Project Description

Identify migration barriers limiting salmonids within the Santa Ynez River watershed, Salmonid presence will also be documented on tributaries to the Santa Ynez River

Project Ref	Grantee	Project Name	State
720471	CDFG	Archeological & Rare Plant Surveys on Sediment Reduction	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JAN-04-20-MAR-04	Watershed and Sub-basin Planning and Assessment	$8,516	$0	California

Project Description

Complete archeological resources and rare plant surveys on fifteen sediment reduction project sites

Project Ref	Grantee	Project Name	State
720477	CDFG	Pena Creek Sediment Source Inventory	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JAN-04-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$6,789	$0	California

Project Description

Inventory approximately 1.5 miles of privately managed, badly eroding dirt roads in the Pena Creek watershed within the Russian River watershed, also evaluate associated potential erosion damage to the watercourse from a nearby 10-acre area impacted by the discovery/removal of an illicit crop plantation

Project Ref	Grantee	Project Name	State
720481	CDFG	California Fish Passage Forum Facilitation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	28-JUN-04-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$5,770	$0	Northern California Coastal

Project Description

manage and facilitate two Fish Passage Forum meetings

Project Ref	Grantee	Project Name	State
720493	CDFG	Canoe Creek Wildfire Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-FEB-04-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$9,995	$0	Northern California Coastal

Project Description

Examine the effects of the September 2003 Canoe wildfire and the associated physical and biotic response of salmonid habitat in lower Canoe Creek

Project Ref	Grantee	Project Name	State
720499	CDFG	Belleview Creek Fish Passage	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-04-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$8,375	$0	Northern California Coastal

Project Description

Design two alternative engineered plans to replace an existing culvert, currently a complete fish passage barrier, with an improved crossing

Project Ref	Grantee	Project Name	State
720502	CDFG	Salmon Creek Watershed Oral History	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAR-04-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$5,000	$0	Northern California Coastal

Project Description

Complete a comprehensive oral history of landowners in the Salmon Creek Watershed that will supplement the work already being done in the Salmon Creek Assessment and Restoration Grant #P0230439: Conduct Landowner Outreach, Conduct oral interviews of selected landowners, Prepare a draft report (¿story¿)

Project Ref	Grantee	Project Name	State
720504	CDFG	Sonoma Creek Historic Salmonid Habitat & Abundance	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAR-04-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$3,450	$0	San Francisco Bay

Project Description

Input DFG stream survey data for Sonoma Creek watershed into GIS, Input data from newspaper accounts from the 1940s to 1970s, collected oral histories, and other sources into GIS, Develop several GIS maps, Provide hardcopy GIS maps to DFG

Project Ref	Grantee	Project Name	State
703599	CDFG	Road Assessment and Restoration Planning in the Bluff Creek Watershed	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	17-JUN-02-02-MAR-04	Watershed and Sub-basin Planning and Assessment	$85,632	$0	Klamath

Project Description

Prioritize road sites for treatment based on the potential (risk) for sediment delivery, potential volume of sediment delivered, and impacts on downstream resources.

Project Ref	Grantee	Project Name	State
703615	CDFG	Project Coordinator for the Southern California Steelhead Coalition	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-JUN-02-15-MAR-04	Watershed and Sub-basin Planning and Assessment	$86,424	$0	Central California Coastal

Project Description

Organize, facilitate and coordinate public involvement and scientific assessment activities to restore populations of native steelhead in Southern California watersheds.

Project Ref	Grantee	Project Name	State
703618	CDFG	Spring-Run Chinook Salmon Workgroup	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JAN-02-01-MAR-04	Watershed and Sub-basin Planning and Assessment	$0	$25,284	Lower Sacramento

Project Description

Maintain and build on local and regional efforts to recover spring-run Chinook salmon through cooperative efforts that will reduce the necessity for a more adversarial regulatory approach.

Project Ref	Grantee	Project Name	State
703665	CDFG	FishNet 4C - Fishery Network of the Central California Coastal Counties	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Watershed and Sub-basin Planning and Assessment	$123,920	$0	San Francisco Bay

Project Description

Support the efforts of the 6 counties of the Central California Coast ESU to protect and restore federally listed salmonid species.

Project Ref	Grantee	Project Name	State
703668	CDFG	Davis Creek Watershed Assessment and Planning Proposal	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Watershed and Sub-basin Planning and Assessment	$49,551	$0	Northern California Coastal

Project Description

Improve salmonid habitat through the development of a site specific and prioritized plan for erosion prevention, habitat restoration, and non-point source pollution control through an assessment of the lands in the Davis Creek watershed.

Project Ref	Grantee	Project Name	State
703670	CDFG	Santa Angelina Ranch Road Inventory	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-09-FEB-04	Watershed and Sub-basin Planning and Assessment	$20,643	$0	Northern California Coastal

Project Description

Conduct a road inventory to obtain a database of sediment sources and chronic non-point source erosion problems on the active and abandoned road network on the Santa Angelina Ranch, which lies primarily in the upper Maacama Creek drainage. Prioritize sites for correction in order to minimize sediment contributions to the Maacama, Briggs, Ingalls and Bear Creeks and the Russian River.

Project Ref	Grantee	Project Name	State
703729	CDFG	Hanson Ranch Subdivision Watershed Erosion Hazard Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Watershed and Sub-basin Planning and Assessment	$11,387	$0	Northern California Coastal

Project Description

Conduct a systematic inventory of the road and land use related erosion hazards and active sediment sources in the Hanson Ranch subdivision on approximately 30 miles of unpaved primary vehicle access roads and 10 miles of abandoned secondary roads (old skid roads).

Project Ref	Grantee	Project Name	State
703736	CDFG	Shasta Irrigation Alternative Investigation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-30-MAR-04	Watershed and Sub-basin Planning and Assessment	$7,383	$0	Klamath

Project Description

Initiate investigation of legal status of dormant DWR plans to transfer water from Klamath River to Shasta Valley. Water transfer would allow substitution of lower quality Klamath River water for irrigation use, leaving high quality Shasta River water to be used primarily for fish production.

Project Ref	Grantee	Project Name	State
703738	CDFG	Shasta CRMP Coordinator	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-30-SEP-04	Watershed and Sub-basin Planning and Assessment	$55,347	$0	Klamath

Project Description

Maximize the rate of salmonid restoration progress in Shasta Valley. This will be accomplished by continuing community outreach, restoration support-building, and project development to insure that restoration continues in the Shasta Valley.

Project Ref	Grantee	Project Name	State
703740	CDFG	Scott River Watershed Council	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-30-MAR-04	Watershed and Sub-basin Planning and Assessment	$52,701	$0	Klamath

Project Description

Plan and prioritize resource management projects which benefit anadromous fish and other wildlife in the Scott River watershed. Educate the public about anadromous fish life cycles, the need for improving their habitat, and the process for restoration efforts. Encourage voluntary landowner efforts in restoration activities.

Project Ref	Grantee	Project Name	State
703745	CDFG	Leggett Creek Watershed Planning Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Watershed and Sub-basin Planning and Assessment	$24,055	$0	Northern California Coastal

Project Description

Complete a watershed restoration plan for Legget Creek Watershed.

Project Ref	Grantee	Project Name	State
703752	CDFG	Big Lagoon Restoration Design - Muir Beach	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Watershed and Sub-basin Planning and Assessment	$174,959	$0	San Francisco Bay

Project Description

Develop a project design that will expand and improve rearing habitat and winter refugia for steelhead and Coho by restoring the historic lagoon, known as Big Lagoon, at the mouth of Redwood Creek. The lagoon no longer functions due to manual filling, levee construction, creek relocation, and historic accelerated sedimentation.

Project Ref	Grantee	Project Name	State
703755	CDFG	County of Santa Cruz Road Crossing and Salmonid Passage Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Watershed and Sub-basin Planning and Assessment	$91,559	$0	Central California Coastal

Project Description

Complete an initial assessment of all County road crossings on salmonid streams. Evaluate passage conditions at up to 70 stream crossings that may be passage impediments for salmonids. Create a priority list for mitigation. Complete initial passage improvement designs and construction estimates for 2 highest priority projects.

Project Ref	Grantee	Project Name	State
703759	CDFG	Salmon River Watershed Organization Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-27-AUG-03	Watershed and Sub-basin Planning and Assessment	$57,126	$0	Klamath

Project Description

Sustain the efforts of the Salmon River Restoration Council in generating general public and landowner support for the protection and restoration of the Salmon River watershed.

Project Ref	Grantee	Project Name	State
703762	CDFG	Smith River Watershed Coordinator	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-30-MAR-04	Watershed and Sub-basin Planning and Assessment	$47,197	$0	Northern California Coastal

Project Description

Support the Smith River Advisory Council with community education and outreach, develop landowner cooperation and involvement in anadromous fish enhancement projects, and coordinate restoration programs in the basin.

Project Ref	Grantee	Project Name	State
703782	CDFG	Salmon Creek Watershed Assessment 2002	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-23-MAR-04	Watershed and Sub-basin Planning and Assessment	$35,200	$0	Northern California Coastal

Project Description

Continue the development of an Assessment Plan of the Salmon Creek watershed. This is phase 3 (phase 1 took place in 1999 and phase 2 in 2001), whereby the sediment inventories and fisheries assessments will be continued.

Project Ref	Grantee	Project Name	State
703788	CDFG	Tri-County FISH Team	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-JUN-02-15-SEP-03	Watershed and Sub-basin Planning and Assessment	$89,780	$0	Central California Coastal

Project Description

Support the efforts of the local agencies and watershed interests in providing a coordinated approach to steelhead restoration efforts in the tri-county area (Santa Barbara, San Luis Obispo, and Ventura Counties).

Project Ref	Grantee	Project Name	State
703790	CDFG	Assessment of Giant Reed and Restoration Planning, Napa River Watersh	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Watershed and Sub-basin Planning and Assessment	$43,750	$0	San Francisco Bay

Project Description

Identify giant reed populations in the Napa River basin; map and analyze data; generate acreage figures; estimate control and restoration costs; develop prioritized plan for control and restoration of invaded sites.

Project Ref	Grantee	Project Name	State
703798	CDFG	San Francisquito Creek Steelhead Passage Improvement Program Barrier	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-11-MAR-04	Watershed and Sub-basin Planning and Assessment	$9,990	$0	San Francisco Bay

Project Description

Develop scheme for improving fish passage in San Francisquito Creek.

Project Ref	Grantee	Project Name	State
703801	CDFG	Assessment of Scott River Flow Enhancement Options	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-30-MAR-04	Watershed and Sub-basin Planning and Assessment	$82,864	$0	Klamath

Project Description

Evaluate water lease/purchase options available to landowners in the Scott River watershed. Identify opportunities with willing water right holders and prioritize alternatives. Develop a comprehensive phased program and describe technical mechanisms necessary for implementation. Summarize potential purchasing entities, identify funding sources, and develop model legal agreements. Formulate an implementation strategy based on selected alternative to provide a comprehensive and cost-effective program.

Project Ref	Grantee	Project Name	State
703805	CDFG	Landowner and Community Outreach for Mattole Fisheries Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAY-02-31-MAR-04	Watershed and Sub-basin Planning and Assessment	$0	$44,612	Northern California Coastal

Project Description

Develop future sediment delivery site inventory and treatment projects. Conduct community education about diesel fuel spills and water withdrawals. Build the capacity of the Mattole Restoration Council to conduct field-based projects in our Reforestation and Good Roads Program and Clear Creeks Program.

Project Ref	Grantee	Project Name	State
703814	CDFG	Gualala River Watershed Outreach and Education Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Watershed and Sub-basin Planning and Assessment	$48,809	$45,042	Northern California Coastal

Project Description

Provide facilitation of restoration efforts with private landowners on the Gualala River Watershed through outreach, education and project coordination.

Project Ref	Grantee	Project Name	State
703821	CDFG	Irmulco Road Corporation Watershed Inventory and Implementation Planni	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Watershed and Sub-basin Planning and Assessment	$21,083	$0	Northern California Coastal

Project Description

Reduce impacts, eliminate erosional threats and restore salmonid habitat in the Noyo River watershed through development of a site specific and prioritized plan for cost-effective erosion prevention, erosion control and habitat restoration along the 28 miles of Irmulco Road and adjacent roads near Fort Bragg.

Project Ref	Grantee	Project Name	State
703825	CDFG	Carpinteria Creek Watershed Plan	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-JUN-02-31-DEC-04	Watershed and Sub-basin Planning and Assessment	$109,065	$0	Central California Coastal

Project Description

Prepare a watershed implementation plan that includes activities which will protect and enhance fish habitat and passage throughout Carpinteria Creek.

Project Ref	Grantee	Project Name	State
703854	CDFG	Habitat Assessment and Restoration Planning in the Salt Creek Watershe	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-30-MAR-04	Watershed and Sub-basin Planning and Assessment	$36,225	$0	Klamath

Project Description

Conduct habitat typing/mapping and fish distribution surveys within the Salt Creek drainage to determine the extent of anadromy within the drainage and identify potential migration barriers. Make habitat restoration recommendations.

Project Ref	Grantee	Project Name	State
703867	CDFG	Five Counties Salmon Conservation Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-30-MAR-04	Watershed and Sub-basin Planning and Assessment	$274,679	$0	Klamath

Project Description

Support the efforts of the Five Counties Salmon Conservation Program projects and planning to conserve and restore federally listed salmonid species, appurtenant habitats, and water quality.

Project Ref	Grantee	Project Name	State
704434	CDFG	Spring-run Chinook Salmon Workgroup	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-00-30-JUN-02	Watershed and Sub-basin Planning and Assessment	$0	$25,284	Lower Sacramento

Project Description

Continue facilitation and adminstration of the Spring Run Chinook Salmon Workgroup, providing an inter-watershed forum for the conservancies working to protect and restore tributaries for spring-run chinook.

Project Ref	Grantee	Project Name	State
704438	CDFG	Data Collection and Programming Project for NAFWB	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-15-APR-04	Watershed and Sub-basin Planning and Assessment	$114,722	$247,619	San Joaquin

Project Description

Project A: Update Fisheries Restoration Grants Program projects in the database as new data are available; integrate the Fisheries Restoration Grants Program with the California Habitat Restoration Project Database; produce maps, reports, queries from the database and present information as needed, assist in website development; acquire new data. Project B: Update the California Marine Nearshore Habitat database as new data are available; integrate and develop GIS and remote sensing information for coastal marine mapping technology; produce maps, reports, queries from the database and present information as needed, assist in website maintenance; acquire new data.

Project Ref	Grantee	Project Name	State
704509	CDFG	Deer Creek Instream Culvert Barrier Removal	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-02-03-JAN-04	Watershed and Sub-basin Planning and Assessment	$97,485	$0	Northern California Coastal

Project Description

Restoration of salmonid access to 3700 feet of habitat by replacing an undersized culvert with a NMFS-approved bottomless pipe arch culvert.

Project Ref	Grantee	Project Name	State
704510	CDFG	Preliminary Delineation of Coho Stream Reaches in the Scott and Shasta	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-JUN-02-30-MAR-04	Watershed and Sub-basin Planning and Assessment	$46,155	$0	Klamath

Project Description

Preliminary delineation of Coho habitat in the Scott and Shasta basins providing for the evaluation of the effectiveness of ongoing and future projects directed towards the recovery of Coho salmon.

Project Ref	Grantee	Project Name	State
704527	CDFG	Shasta Irrigation District Preliminary Engineering and Design Proposal	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	25-JUN-02-30-MAR-04	Watershed and Sub-basin Planning and Assessment	$0	$42,044	Klamath

Project Description

Prepare a preliminary engineering study with design and costs to replace the existing open canal system. Reduce water removal from the Shasta River.

Project Ref	Grantee	Project Name	State
720101	CDFG	Mendocino County Roads Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	30-SEP-02-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$51,116	$0	Northern California Coastal

Project Description

The Department of Transportation will perform road erosion assessments to identify and quantify all road-related erosion sources. In addition, stream crossings will be evaluated for obvious fish barrier problems. The data will be incorporated into the existing 5-County Road Assessment Access database; and GIS maps locating priority sites will be prepared. The database will be used to develop clearly prioritized and site-specific recommended treatments, estimate costs of those treatments, and identify, characterize, and quantify those future road-related and upland sediment sources most likely to impact fish-bearing streams. Short and long-term spoils storage sites will be identified, evaluated and mapped.

Project Ref	Grantee	Project Name	State
720108	CDFG	Mendocino Resource Conservation District ¿ Watershed Program Coordin	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-NOV-02-01-FEB-03	Watershed and Sub-basin Planning and Assessment	$9,499	$0	Northern California Coastal

Project Description

1.The Contractor will work closely with McNab Creek watershed landowners participating in the road erosion assessment and coordinate implementation of the assessment with the contractor (Pacific Watershed Associates) and landowners. PWA is currently working on a road assessment under a current DFG SB271 contract. The contractor will design and host a workshop with McNab watershed landowners and PWA to explain the assessment and implementation options to landowners for their input. The Contractor will also host a field workshop on a completed PWA/District road assessment and implementation project at Nash Mill Road in Philo, CA for the McNab Ranch Road Association officers and maintenance persons. Finally, the Contractor will work with the road association officers and landowners to develop an implementation grant proposal.
2.The Contractor will complete site visits, coordination, site designs and grant proposals (drawing from all available sources of funding) for the following projects already initiated. a.Road erosion assessment and implementation of prescriptions for Feliz Creek landowner, Pat Metohnen. The implementation project prescribes reshaping, rocking and culvert replacement on three miles of unpaved road at the headwaters of Feliz Creek off Highway 253 between Boonville and Ukiah.b.Road erosion assessment and implementation of prescriptions on 3 miles of unpaved road in the York Creek watershed on Jack Cox¿s ranch. The implementation project prescribes road reshaping, rocking and culvert replacement. c.Arundo donax removal and native revegetation project at the City of 10,000 Buddhas off Talmage Road near Talmage, CA. The project includes field assessment, creation of a scope of work, revegetation site design, coordination among landowners and Sotoyome RCD (through the Fish Friendly Farming program) and the potential contractor, Circuit Rider Productions, Inc.

3.The Contractor will coordinate the District¿s Upper Russian River Restoration Program which will include but is not limited to administering Fish Friendly Farming, collaboration with Sotoyome and Gold Ridge RCDs, the Russian River Watershed Council, District Board meetings, other agency meetings, continuation of Forsythe Creek watershed meetings and workshops. The primary part of this task will be the continuation of capacity-building, outreach and assistance to the Forsythe Creek Watershed Advisory Group. The Group is now working to implement very small-scale projects and outreach in anticipation of receiving assessment grant monies. Furthermore, this task includes continuing coordination with the University of CA Cooperative Extension on the Russian River Tributary Landowner Workshops.

Project Ref	Grantee	Project Name	State
720110	CDFG	Tomales Bay Watershed Restoration and Stewardship Plan Development	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-02-06-JUN-03	Watershed and Sub-basin Planning and Assessment	$0	$40,000	San Francisco Bay

Project Description

1.Direct the Tomales Bay Watershed Coordinator to conduct watershed organization and support activities that will lead to the completion of the Tomales Bay Watershed Restoration and Stewardship Plan (Plan) in the Tomales Bay watershed. 2.Complete within six months of contract execution, the final first phase of the Watershed Restoration and Stewardship Plan. 3.Submit quarterly progress reports or review drafts with invoices to the DFG Contract Manager. 4.Submit draft Plan to Contract Manager within six months from start of contract. 5.Submit draft final report to Contract Manager within ten months from start of contract. 6.Submit final Plan to Contract Manager within eightmonths from start of contract. 7.Submit final report to Contract Manager within one year from start of contract

Project Ref	Grantee	Project Name	State
720112	CDFG	Dry Creek Watershed Planning and Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-DEC-02-19-MAR-04	Watershed and Sub-basin Planning and Assessment	$10,000	$0	San Francisco Bay

Project Description

1.Conduct upslope sediment budget and roads assessment, focusing on controllable erosion and direct sediment delivery to stream channels in the upper Dry Creek watershed primarily along three to four miles of county roads and the main channel beginning above 4000 Dry Creek Road. Assessment may extend to the headwaters and tributaries if access, time and funds allow.
a.Roads, landings, culverts, stream crossings, debris slides, gullies, cutbanks, streamside slides, and other causes of sediment loading in upslope and in-stream sites will be identified and measured.
b.The "Dry Creek Erosion Control and Implementation Plan" summarizing the data of the sites covered and including site-specific treatment prescriptions with cost estimates and site prioritization based on cost-effectiveness and sediment savings will be a deliverable under the terms of this contract.

Project Ref	Grantee	Project Name	State
720116	CDFG	Archeological and Rare Plant Surveys	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-03-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$60,000	$0	Northern California Coastal

Project Description

1.Conduct archeological resources and rare plant surveys on five road sediment reduction projects (#98 Ft. Seward Ranch, #141 E.B. South Fork Eel River, #143 Hollow Tree Creek, # 217 Eldridge Cr. and # 237 Ward Cr./Russian Gulch, Gualala R. Watershed) and approximately 20 adaptive management fish habitat restoration sites, in the counties within the Department of Fish and Game¿s Central Coast and Northern California - North Coast regions.
2.The surveys shall identify all prehistoric and/or historic archeological resources, or sites of ethnic significance and presence or non-presence of rare plants that occur on the proposed fish habitat restoration project sites. The surveys shall be designed to consider the potential adverse effects to cultural resources and rare plants that may result from implementing the proposed habitat restoration project activities and to provide recommendations that would eliminate or reduce adverse impacts to a less than significant level.

Project Ref	Grantee	Project Name	State
720151	CDFG	San Antonio Creek Fish Passage Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAY-03-31-DEC-03	Watershed and Sub-basin Planning and Assessment	$65,824	$0	Ventura-San Gabriel Coastal

Project Description

Data review/site Investigations ¿ the grantee, or its designee, will conduct the following surveys of San Antonio Creek within Soule Park and the appropriate adjacent reaches. Will conduct Conceptual Design, Engineering.

Project Ref	Grantee	Project Name	State
720163	CDFG	Browns Creek Culvert Design	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	30-DEC-03-15-MAR-04	Watershed and Sub-basin Planning and Assessment	$10,000	$0	Central California Coastal

Project Description

1.Design fish passage recommendations for one high priority culvert on Browns Valley Road, labeled as Browns #1 in the DFG- funded Santa Cruz County Culvert Catalog. This project will be completed in addition to the two high priority designs already funded by CDFG contract # P0130419. The project deliverable shall consist of biddable construction drawings (including plans and technical specifications).

Project Ref	Grantee	Project Name	State
720513	CDFG	Manual Printing - Part X	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Watershed and Sub-basin Planning and Assessment	$0	$9,119	California

Project Description

California Salmonid Stream Habitat Restoration Manual Part X printing

Project Ref	Grantee	Project Name	State
704162	CDFG	Lagunitas Creek Watershed Joint Agency Fire Road Erosion Control Dem	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-20-AUG-02	Watershed and Sub-basin Planning and Assessment	$0	$12,078	San Francisco Bay

Project Description

Reduce erosion and fine sediment loading by restoring a 1200 foot section of Summit Fire Road using best management practices including outsloping of road surface, water bars, rocked water crossings and revegetation; to create a model project to facilitate agency cooperation for a future road management program in the San Geronimo Creek Watershed.

Project Ref	Grantee	Project Name	State
704164	CDFG	Mendocino Coast Watershed Festival	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-05-MAY-03	Watershed and Sub-basin Planning and Assessment	$0	$4,972	Northern California Coastal

Project Description

Facilitate public conservation education at the annual Mendocino Coast Watershed Festival.

Project Ref	Grantee	Project Name	State
704177	CDFG	Gazos Creek Watershed Assessment and Enhancement Plan	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-08-MAY-03	Watershed and Sub-basin Planning and Assessment	$0	$68,000	Central California Coastal

Project Description

Conduct a watershed assessment including the following: sediment yield study, hydrologic assessment, large woody debris recruitment analysis, channel stability analysis. Following this, restoration habitat enhancement recommendations will be made.

Project Ref	Grantee	Project Name	State
704178	CDFG	FishNet 4C	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-16-APR-03	Watershed and Sub-basin Planning and Assessment	$119,784	$0	California

Project Description

Support the efforts of the six counties of the Central California Coast ESU to respond to conservation needs of federally listed salmonid species. This is done through facilitating effective local actions, policies and improved management practices that will maintain and improve the region's water quality and riparian habitat; providing increased assistance and education for local government and the private sector; encouraging cooperation and coordination between all levels of regulatory agencies responsible for fishery protection and restoration.

Project Ref	Grantee	Project Name	State
704183	CDFG	Kelly Road Sediment Source Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-16-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$18,176	Northern California Coastal

Project Description

To complete a sediment source and erosion control survey of 17.2 miles of Kelly Road that culminates in completion of an integrated plan containing specific recommendations for erosion prevention and control projects that will reduce the risk of future erosion and sediment delivery to the stream channels and will lead to the restoration of salmonid habitats in the watersheds.

Project Ref	Grantee	Project Name	State
704184	CDFG	Mendocino Natural Resources GIS Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-16-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$52,132	Northern California Coastal

Project Description

To build the capacity of the Mendocino County Resources Conservation District to evaluate past salmon recovery projects and plan future ones, on the basis of scientific data collected into a Geographic Information System.

Project Ref	Grantee	Project Name	State
704185	CDFG	South Fork Big River/Russell Brook Watershed Assessment Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-01-MAY-03	Watershed and Sub-basin Planning and Assessment	$118,420	$0	Northern California Coastal

Project Description

Complete an upslope, road related sediment assessment of Mendocino Redwoods Company property, with appropriate upslope and instream restoration prescriptions.

Project Ref	Grantee	Project Name	State
704186	CDFG	Charles and others South Fork Gualala River Watershed Inventory and Im	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-01-MAY-03	Watershed and Sub-basin Planning and Assessment	$0	$17,020	Northern California Coastal

Project Description

Conduct a sediment source investigation on 4000 acres of land in the Gualala River Watershed and develop a site-specific, prioritized implementation plan for preventing controllable sediment yield in order to enhance the recovery of anadromous salmon and steelhead.

Project Ref	Grantee	Project Name	State
704194	CDFG	Eldridge Creek Watershed Organization	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-15-MAY-03	Watershed and Sub-basin Planning and Assessment	$0	$17,000	Northern California Coastal

Project Description

Expand efforts being made by the Greenfield Ranch Association to protect and restore salmonid habitat by encouraging more involvement by the Greenfield community and surrounding landowners. This will be accomplished by organizing educational workshops and volunteer restoration projects, holding regular Stewardship Advisory Committee meetings and posting related articles, and newsletters.

Project Ref	Grantee	Project Name	State
704196	CDFG	Road Crossing Inventory and Fish Passage Evaluation of Mendocino and	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-31-MAR-03	Watershed and Sub-basin Planning and Assessment	$95,968	$0	Northern California Coastal

Project Description

Conduct an inventory of 250 county-maintained road crossings located within anadromous stream reaches of Russian River tributaries; assess adult and juvenile fish passage; develop a project-scheduling document for Mendocino and Sonoma Counties that will prioritize corrective treatments and provide site-specific guidelines for unimpeded fish passage.

Project Ref	Grantee	Project Name	State
704198	CDFG	Dutch Bill Creek Watershed Road Assessment and GIS Mapping	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-12-MAR-03	Watershed and Sub-basin Planning and Assessment	$0	$25,124	Northern California Coastal

Project Description

Inventory of ongoing and potential sediment sources throughout the watershed; prioritized list of cost-effective erosion prevention projects will be developed for future implementation.

Project Ref	Grantee	Project Name	State
704199	CDFG	Parsons Creek Watershed Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-12-MAY-03	Watershed and Sub-basin Planning and Assessment	$0	$182,828	Northern California Coastal

Project Description

56 road sites will be treated through erosion prevention techniques including critical dips, CMP replacements, soil excavation, rolling dips, and outsloping, among others.

Project Ref	Grantee	Project Name	State
704202	CDFG	Gold Ridge Stewardship Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-17-APR-03	Watershed and Sub-basin Planning and Assessment	$49,760	$0	Northern California Coastal

Project Description

Provide facilitation of restoration efforts with watershed organizations throughout the Gold Ridge Resource Conservation District.

Project Ref	Grantee	Project Name	State
704207	CDFG	Russian River Property Owners Association Management Plan	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-05-MAY-03	Watershed and Sub-basin Planning and Assessment	$0	$29,283	Northern California Coastal

Project Description

To develop an environmentally sound management plan that collectively examines the agricultural, ranching, and riverine needs between the Middle and Alexander Valley reaches of the Russian River. The foci of the management plan will be on developing an approach that combines voluntary landowner efforts with existing regulatory requirements and incentives.

Project Ref	Grantee	Project Name	State
704208	CDFG	Public Involvement for Steelhead Habitat Monitoring and Recovery in Sono	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-18-APR-03	Watershed and Sub-basin Planning and Assessment	$74,988	$0	San Francisco Bay

Project Description

Gather needed information on salmonid limiting factors and watershed conditions. Share results and recommendations with citizens, agencies, and governments to educate the community and improve local and regional land use decisions.

Project Ref	Grantee	Project Name	State
704210	CDFG	Dry Creek Watershed Management Plan	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-25-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$65,000	San Francisco Bay

Project Description

Create a watershed plan that will provide both general guidelines and site-specific restoration projects that landowners can implement on their properties. The plan will be based on watershed evaluation and assessment, working with the physical, economic and social conditions in the watershed.

Project Ref	Grantee	Project Name	State
704211	CDFG	Upper Santa Rosa Creek Watershed Organizational Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-16-MAY-03	Watershed and Sub-basin Planning and Assessment	$0	$13,925	Northern California Coastal

Project Description

Convene an Upper Santa Rosa Creek Watershed Group of private landowners, resources agencies, and organizations; conduct educational field meetings to observe and learn about restoration and road maintenance work being implemented at McCormick Sanctuary; develop a priority list of watershed needs and action items for improving watershed management and restoration; develop a common set of goals which address watershed issues.

Project Ref	Grantee	Project Name	State
704212	CDFG	Scotts Creek Watershed Council Support and Assistance	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-16-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$15,350	Central California Coastal

Project Description

To fulfill the mission of the Scotts Creek Watershed Council by providing organizational development, project coordination and environmental education services to the members of the Council, residents and other stakeholders in the watershed.

Project Ref	Grantee	Project Name	State
704218	CDFG	Organizational Support for Fourth Year of Round Valley Resource Center	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-21-APR-03	Watershed and Sub-basin Planning and Assessment	$43,961	$0	Northern California Coastal

Project Description

Funding for Round Valley Resource Center, working with community to address habitat needs in the Middle and North Fork Eel Rivers and their tributaries.

Project Ref	Grantee	Project Name	State
704222	CDFG	Broaddus Creek Tributaries Watershed Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-02-16-APR-03	Watershed and Sub-basin Planning and Assessment	$12,344	$0	Northern California Coastal

Project Description

Assess adjacent drainage basins to identify and prioritize restoration prescriptions to improve the spawning and rearing habitat in Broaddus Creek tributaries.

Project Ref	Grantee	Project Name	State
704225	CDFG	Aptos Creek Watershed Assessment and Enhancement Plan	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-09-MAY-03	Watershed and Sub-basin Planning and Assessment	$0	$106,248	Central California Coastal

Project Description

Prepare an enhancement plan for the Aptos Creek watershed area of Santa Cruz County. While serving as a comprehensive watershed plan that will benefit multiple species, the plan will focus on projects that improve coho salmon and steelhead habitat.

Project Ref	Grantee	Project Name	State
704227	CDFG	Thorne Road Low-Water Crossing	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-13-MAY-03	Watershed and Sub-basin Planning and Assessment	$88,292	$0	Central California Coastal

Project Description

Conceptual design process to evaluate alternatives to modify the existing structure, or construct alternative temporary, or permanent, bridge structures in order to remove migratory obstacles to steelhead, while maintaining the functionality of the roadway.

Project Ref	Grantee	Project Name	State
704231	CDFG	Pajaro River Flood Control Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-31-MAR-03	Watershed and Sub-basin Planning and Assessment	$0	$50,000	Central California Coastal

Project Description

Conduct watershed organization and support for the Pajaro River Flood Control Project. A forum for coordinating salmonid habitat restoration efforts, including meeting facilitation, public involvement and technical assistance will be implemented.

Project Ref	Grantee	Project Name	State
704237	CDFG	Ventura River Watershed Technical Investigation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-MAY-01-16-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$198,771	Ventura-San Gabriel Coastal

Project Description

Prepare a watershed implementation plan to enhance aquatic habitat for steelhead and other sensitive aquatic resources specifically by: Establishing a technical advisory committee, developing a GIS database, locating specific areas where restoration opportunities exist, develop specific restoration activities, promote public outreach and education for landowners.

Project Ref	Grantee	Project Name	State
704244	CDFG	Tom Long Creek Watershed Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-02-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$41,535	Northern California Coastal

Project Description

Develop plan to reduce fine sediment inputs to Tom Long Creek; develop a plan to increase riparian shade, LWD recruitment potential; educate landowners in the Tom Long basin about salmonid habitat requirements, road maintenance, sediment sources, and overall watershed function.

Project Ref	Grantee	Project Name	State
704280	CDFG	Mattole Salmon Recovery Support and Capacity Building	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-16-APR-03	Watershed and Sub-basin Planning and Assessment	$32,332	$0	Northern California Coastal

Project Description

To help enhance capacity for restoration in the Mattole watershed; for sustaining essential ongoing programs and to assist in organizing an infrastructure and data storage capacity capable of sustaining expanded initiatives and long-term efforts at salmon recovery.

Project Ref	Grantee	Project Name	State
704281	CDFG	Salt River Public Involvement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-11-APR-03	Watershed and Sub-basin Planning and Assessment	$46,813	$0	Northern California Coastal

Project Description

Building capacity for the cooperative mobilization of upland tributary restoration by contacting landowners, gaining access and permission for assessment, developing a cooperative assessment project, and facilitating restoration project development. Secondly, build public confidence, gain cooperation on estuary and sediment delivery issues by resolving excessive sediment yield problems.

Project Ref	Grantee	Project Name	State
704283	CDFG	Southern Coho Salmon Recovery Plan (RE)	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-05-MAY-03	Watershed and Sub-basin Planning and Assessment	$0	$46,959	Central California Coastal

Project Description

To fill an essential role in the restoration of sustainable Coho salmon runs which occur south of San Francisco through effective implementation of the Southern Coho Salmon Restoration Plan. To target re-introduction streams as identified by the CDFG Coho Recovery Team, to counter the effects of drought and flood, to investigate the effects of antibiotic therapy on BKD in Coho, and to assist in banking genetic DNA information.

Project Ref	Grantee	Project Name	State
704292	CDFG	South Fork Fisheries Secondary Schools Education Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-04-SEP-02	Watershed and Sub-basin Planning and Assessment	$0	$46,139	Northern California Coastal

Project Description

To enhance and protect salmonid species through education at a secondary school level, using an approved salmonid-focused curriculum, including field projects in collaboration with local salmon groups, and activities that extend parent and larger community participation.

Project Ref	Grantee	Project Name	State
704295	CDFG	East Anderson Creek	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-31-MAR-03	Watershed and Sub-basin Planning and Assessment	$146,178	$0	Northern California Coastal

Project Description

Provide access to approximately 1.1 miles of potential anadromous fish habitat by replacing a failing, undersized culvert with a structure that will not be a barrier to adult and juvenile salmonids. The proposed replacement structure is a bottomless multiplate box culvert with cross weirs to provide grade control.

Project Ref	Grantee	Project Name	State
704297	CDFG	Coastal Restoration Monitoring and Assessment Project Development	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-15-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$397,397	San Joaquin

Project Description

Develop a program to monitor, assess and document the physical and biological responses to various restoration and enhancement projects conducted in instream, riparian and upslope areas throughout California's coastal anadromous salmonid watersheds. This work will help identify the most effective treatments and guide future restoration efforts leading to the conservation and restoration of California's coastal anadromous salmonid populations.

Project Ref	Grantee	Project Name	State
704300	CDFG	Pen Rearing of Chinook Salmon	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-24-OCT-02	Watershed and Sub-basin Planning and Assessment	$0	$29,039	Central California Coastal

Project Description

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Project Ref	Grantee	Project Name	State
704304	CDFG	Lower Eel Basin Watershed Organizational Support Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-28-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$97,466	Northern California Coastal

Project Description

Direct assistance to landowners and landowner based watershed groups, leading to resource conservation and fisheries habitat improvements, by providing funding to support Humboldt County Resource Conservation District project manager, technical team and clerical staff.

Project Ref	Grantee	Project Name	State
704306	CDFG	Salmon Creek Watershed Restoration Project/Road and Hillslope Sedime	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Watershed and Sub-basin Planning and Assessment	$0	$56,650	Northern California Coastal

Project Description

Improve salmonid spawning and rearing habitat by lowering sediment delivery potential from upslope sources in the Salmon Creek Watershed.

Project Ref	Grantee	Project Name	State
704307	CDFG	Blue Slide Historical Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-11-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$44,195	Northern California Coastal

Project Description

To determine and scientifically quantify past and current trends of stream and riparian conditions, to provide the planning group landowners information on which to formulate objectives, select project priorities for field projects.

Project Ref	Grantee	Project Name	State
704312	CDFG	Upper Williams Canyon Creek Watershed Planning Unit	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-16-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$24,360	Central California Coastal

Project Description

Prepare a Watershed Management Plan for the Mitteldorf Redwood Preserve. The assessment will focus on identifying sediment sources, including roads in the Preserve.

Project Ref	Grantee	Project Name	State
704314	CDFG	Morro Bay Watershed Steelhead Restoration Planning Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-10-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$25,500	Central California Coastal

Project Description

Identify keystone problems in the watershed; make restoration efforts more effective by developing a prioritized list of restoration actions.

Project Ref	Grantee	Project Name	State
704316	CDFG	San Gregorio Creek Watershed Partnership	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-14-MAY-03	Watershed and Sub-basin Planning and Assessment	$0	$11,970	San Francisco Bay

Project Description

Increase landowner and local resident support for salmonid restoration through roundtable meetings, educational and volunteer events and publication of two educational brochures.

Project Ref	Grantee	Project Name	State
704317	CDFG	Coordination, Facilitation, and Implementation, of Steelhead Restoration A	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-15-MAY-03	Watershed and Sub-basin Planning and Assessment	$70,045	$0	San Francisco Bay

Project Description

Facilitate workgroup meetings, develop proposals for funding restoration activities, develop landowner cooperation, develop conceptual design for fish passage structures, organize volunteer activities, organize educational activities.

Project Ref	Grantee	Project Name	State
704318	CDFG	Garrapata Creek Watershed Erosion Inventory and Restoration Planning P	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-22-APR-03	Watershed and Sub-basin Planning and Assessment	$54,124	$0	Central California Coastal

Project Description

Develop a site-specific and prioritized plan for cost-effective erosion prevention/control and habitat restoration within the Garrapata Creek Watershed. This will be accomplished by an air photo analysis, field inventory, and sediment source inventory.

Project Ref	Grantee	Project Name	State
704321	CDFG	Unimproved and Abandoned Roads Sediment Source Investigation Within	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-12-MAY-03	Watershed and Sub-basin Planning and Assessment	$52,000	$0	San Francisco Bay

Project Description

Perform an inventory of unimproved and unabandoned roads and trails to assess sediment production and develop a detailed implementation plan for reduction of road/trail related sediment input into salmonid bearing streams.

Project Ref	Grantee	Project Name	State
704323	CDFG	Watershed Organization and Assistance for the Restoration of Salmonid H	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-16-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$87,870	Central California Coastal

Project Description

To coordinate and facilitate resource management activities that will enhance and restore fisheries throughout the Soquel Creek Watershed.

Project Ref	Grantee	Project Name	State
704324	CDFG	Old Haul Road Trail Drainage Improvement Project #2	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-14-MAY-03	Watershed and Sub-basin Planning and Assessment	$68,393	$0	San Francisco Bay

Project Description

Improve drainage with replacement and addition of 47 culverts and energy dissipaters, regrade and place six inches of compacted rock on 5.7 miles of dirt road.

Project Ref	Grantee	Project Name	State
704327	CDFG	San Lorenzo River/Branciforte Creek Barrier Assessment Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-08-MAY-03	Watershed and Sub-basin Planning and Assessment	$0	$21,220	Central California Coastal

Project Description

To assess and recommend modifications to in-channel migration barriers for juvenile mobility; the project will lead to modification or removal of these barriers to allow passage in 90% of flows.

Project Ref	Grantee	Project Name	State
704329	CDFG	Fairfax Triangle Restoration and Conifer Fire Road Erosion Stabilization	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-03-FEB-03	Watershed and Sub-basin Planning and Assessment	$21,589	$0	San Francisco Bay

Project Description

Restore salmonid habitat in the Woodacre Creek watershed by reducing the amount of fine sediments entering the creek from the Conifer Fire Road. This will be accomplished by installing or performing the following: wet rock crossings, rolling dips, water bars, check dams, berm removal, outsloping, headcut repairs, straw wattles.

Project Ref	Grantee	Project Name	State
704342	CDFG	North Fork Eel River Sediment Source Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-15-MAR-03	Watershed and Sub-basin Planning and Assessment	$0	$10,262	Northern California Coastal

Project Description

Identify and quantitively assess sediment sources (primarily landslides and debris torrents) in the North Fork Eel River watershed. Data would be used to evaluate sediment production trends and identify sites for mitigation such as tree planting or toe treatments.

Project Ref	Grantee	Project Name	State
704343	CDFG	South Fork Smith River Sediment Source Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-15-MAR-03	Watershed and Sub-basin Planning and Assessment	$0	$10,940	Northern California Coastal

Project Description

Identify and quantitatively assess sediment sources in the South Fork Smith River watershed. Data would be used to evaluate sediment production trends and identify sites for mitigation such as tree planting or toe treatments.

Project Ref	Grantee	Project Name	State
704346	CDFG	Road Assessment and Restoration Planning in the South Fork Smith Wate	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-28-FEB-03	Watershed and Sub-basin Planning and Assessment	$0	$101,959	Northern California Coastal

Project Description

Prioritize road sites for treatment based on the potential risk for sediment delivery, potential volume of sediment delivered, and impacts in downstream resources.

Project Ref	Grantee	Project Name	State
704347	CDFG	Road Assessment and Restoration Planning in the Middle Fork Smith Wat	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-28-FEB-03	Watershed and Sub-basin Planning and Assessment	$0	$89,580	Northern California Coastal

Project Description

To prioritize road sites for treatment based on the potential risk for sediment delivery, potential volume of sediment delivered, and impacts on downstream resources.

Project Ref	Grantee	Project Name	State
704349	CDFG	Grass Valley Creek Revegetation Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-APR-01-22-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$123,264	Klamath

Project Description

To reduce sediment entering the Trinity River and continue reforestation work in the Grass Valley Creek watershed by planting 202,500 tree seedlings, 20,000 shrub seedlings, 34,700 grass plugs and 5,300 forbs seedlings in a 100 acre area of the watershed with scarce vegetation and high sheet and rill erosion.

Project Ref	Grantee	Project Name	State
704358	CDFG	South Fork Trinity River Road Decommission Implementation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-01-22-JAN-03	Watershed and Sub-basin Planning and Assessment	$0	$163,773	Klamath

Project Description

To implement sediment-reducing, road decommissioning activities on the 29N30D US Forest Service road in the Upper South Fork Trinity River Watershed as recommended by road inventories, watershed analysis, and environmental assessment.

Project Ref	Grantee	Project Name	State
704361	CDFG	Grouse Creek Watershed Road Inventory Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-22-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$49,321	Klamath

Project Description

To conduct an inventory of the road network on private lands in Grouse Creek watershed to prioritize sediment reducing restoration activities.

Project Ref	Grantee	Project Name	State
704368	CDFG	No Mans/Daggett Creek Stream Diversion Prevention Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-11-FEB-03	Watershed and Sub-basin Planning and Assessment	$0	$44,400	Klamath

Project Description

Prevent stream flows that exceeded the capacity of the existing culvert to be diverted quickly back into the stream course, and not diverted down the road system. This will be accomplished by installing 30 rolling dips along Forest roads.

Project Ref	Grantee	Project Name	State
704374	CDFG	Blue Creek Watershed Restoration Up-slope Implementation/Training Proj	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-13-MAR-03	Watershed and Sub-basin Planning and Assessment	$599,438	$200,000	Klamath

Project Description

Large-volume sediment sources will be mitigated through road and skid trail decommissioning and road upgrade/improvements for erosion control.

Project Ref	Grantee	Project Name	State
704376	CDFG	Mill Creek Road Erosion Inventory	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-07-MAY-03	Watershed and Sub-basin Planning and Assessment	$74,637	$0	Klamath

Project Description

Conduct watershed analysis and planning for restoration treatment projects. Map entire road network and inventory sediment sources; create landslide history map; GIS database to record findings; erosion prevention plan will be developed, and organized.

Project Ref	Grantee	Project Name	State
704383	CDFG	Salmon River Watershed Organization Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-24-JAN-03	Watershed and Sub-basin Planning and Assessment	$0	$26,376	Klamath

Project Description

To sustain the efforts of the Salmon River Restoration Council in generating general public and landowner support for the protection and restoration of the Salmon River watershed.

Project Ref	Grantee	Project Name	State
704384	CDFG	Etna Union High School District Watershed Education Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-01-14-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$10,532	Klamath

Project Description

Assist the faculty of the Etna Union High School District to continue to participate in watershed related studies on the Scott River.

Project Ref	Grantee	Project Name	State
704385	CDFG	Scott River Watershed Council	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-01-08-JUL-02	Watershed and Sub-basin Planning and Assessment	$0	$39,336	Klamath

Project Description

Give organizational support to the Scott River Watershed Council which will enable the group to plan and prioritize resource management projects, implement community education events, contribute work on the Scott River Sub basin Strategic Action Plan.

Project Ref	Grantee	Project Name	State
704393	CDFG	Road Sediment Source Inventory and Risk Assessment: Klamath National	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-01-02-MAR-03	Watershed and Sub-basin Planning and Assessment	$0	$72,130	Klamath

Project Description

Conduct watershed assessment for sediment sources. This includes locating unmapped roads, mapping and characterizing erosion sources, identifying high risk crossings and other sites, prioritizing sites for treatment, developing treatment strategies.

Project Ref	Grantee	Project Name	State
704395	CDFG	West Fork Cottonwood Sediment Source Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-01-16-MAY-03	Watershed and Sub-basin Planning and Assessment	$39,389	$0	Klamath

Project Description

To conduct a watershed assessment to quantify types and sources of sediment in the West Fork Cottonwood watershed as part of an overall long-term assessment of the impact of land use activities on instream conditions in the Shasta River.

Project Ref	Grantee	Project Name	State
704399	CDFG	Final Stage of Shasta River Flow and Temperature Modeling	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-01-30-APR-03	Watershed and Sub-basin Planning and Assessment	$72,284	$0	Klamath

Project Description

Gather stream flow and temperature data with the objective of completing a mathematical model of the Shasta River that is capable of accurately predicting the temperature response of the Shasta to changes in instream flows, irrigation water removal and return, and increased or decreased shading at all normally encountered summer flow levels; use model for restoration project design and prioritization.

Project Ref	Grantee	Project Name	State
704404	CDFG	South Fork Anker Creek Culvert Replacement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-04-APR-03	Watershed and Sub-basin Planning and Assessment	$148,611	$0	Northern California Coastal

Project Description

Provide access to approximately 15,000 feet of potential anadromous fish habitat by replacing a culvert that is a fish barrier.

Project Ref	Grantee	Project Name	State
704408	CDFG	Jacoby Creek Watershed Assessment and Restoration Planning Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-17-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$68,572	Northern California Coastal

Project Description

Reduce impacts to Jacoby Creek salmonid habitat through development of a site specific plan for erosion prevention and habitat restoration.

Project Ref	Grantee	Project Name	State
704409	CDFG	McDonald Creek Watershed Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-05-JUN-03	Watershed and Sub-basin Planning and Assessment	$28,738	$0	Northern California Coastal

Project Description

Conduct road inventory and assessment and establish a database of sediment sources on active and abandoned roads; create a priority list for treatment of sediment sources; add the roads assessment information to a GIS database being created by State Parks.

Project Ref	Grantee	Project Name	State
704410	CDFG	Rocky Gulch Stream Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-23-JAN-03	Watershed and Sub-basin Planning and Assessment	$18,400	$0	Northern California Coastal

Project Description

Identify and evaluate the primary factors limiting anadromous salmonid populations in Rocky Gulch, then prioritize and design remediation/restoration activities. The product of this project will be a preliminary watershed assessment, design recommendations and implementation plans, and engineering cost estimates for implementing proposed restoration actions.

Project Ref	Grantee	Project Name	State
704411	CDFG	Salmonid Stream Habitat Restoration Field School Course: "Salmon and S	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-17-DEC-02	Watershed and Sub-basin Planning and Assessment	$0	$32,226	California

Project Description

Reduce sediment delivery from unimproved county and private roads to streams supporting ESA listed Coho salmon and/or steelhead populations. Reduce impact of county and private road management and culvert replacement activities on availability and distribution of large wood debris.

Project Ref	Grantee	Project Name	State
704412	CDFG	Shasta CRMP Coordinators	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-25-APR-03	Watershed and Sub-basin Planning and Assessment	$47,200	$0	Klamath

Project Description

Maximize the rate of salmonid restoration in the Shasta River Watershed by matching the field project staffing level to the funding opportunities now available, and substantially increase the amount of community outreach and restoration support-building to assure that future restoration opportunities continue to increase in the Watershed.

Project Ref	Grantee	Project Name	State
704418	CDFG	Projects of Bear River Regional Resources Conservancy	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-11-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$12,832	Northern California Coastal

Project Description

To contact all owners in watershed area to share information on how to maintain and improve conditions for (and providing) quality fish habitat; to engage in projects including road and stream bank assessment, restoration, and stream temperature monitoring; to collect information necessary to improve fisheries habitat.

Project Ref	Grantee	Project Name	State
704419	CDFG	Bear River, Bartleson Property Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Watershed and Sub-basin Planning and Assessment	$0	$9,551	Northern California Coastal

Project Description

Reduce sedimentation into the Bear River by sloping the bank, planting Douglas Firs and fencing 575 feet of streambank on the Bear River, and sloping/mulching/fencing a 225 foot gully.

Project Ref	Grantee	Project Name	State
704425	CDFG	Mid-Mattole Watershed Restoration Plan	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-23-SEP-02	Watershed and Sub-basin Planning and Assessment	$4,754	$59,698	Northern California Coastal

Project Description

Conduct a systematic inventor of the road and land-use related erosion hazards and active sediment sources in the Middle, Westlund, Gilham, Fourmile, and Sholes Creek watersheds. Results will be presented in a planning report that will include worksite treatment prescriptions prioritized according to hazard to Coho and steelhead bearing streams, cost/benefit analysis, and access feasibility; GIS database with treatment sites.

Project Ref	Grantee	Project Name	State
704426	CDFG	Creek Days, Eel River Environmental Education Fair	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Watershed and Sub-basin Planning and Assessment	$0	$3,710	Northern California Coastal

Project Description

Educate approximately 650 local school children on the dynamics of a healthy watershed in a setting that promotes curiosity and enthusiasm.

Project Ref	Grantee	Project Name	State
704435	CDFG	Senior Engineering Geologist Services	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-31-OCT-03	Watershed and Sub-basin Planning and Assessment	$0	$89,000	San Joaquin

Project Description

Provide the services of one licensed and certified Senior Engineering Geologist from the Division of Mines and Geology, to the Department of Fish and Game to assist in implementing the requirements of SB 271 and the mandates of the Governor's Watershed Initiative.

Project Ref	Grantee	Project Name	State
704437	CDFG	Data Collection and Programming Project for Native Anadromous Fish and	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-01-06-OCT-03	Watershed and Sub-basin Planning and Assessment	$0	$93,673	San Joaquin

Project Description

Operate and maintain an Access database to store all Fisheries Restoration Grants Program project information, produce maps, queries, reports from this database, attend meetings to present information. Also, complete the identification of stream networks in the California hydrography for stream reaches that could not be networked through the automated process designed at DFG.

Project Ref	Grantee	Project Name	State
704442	CDFG	Salmon Creek Delta Restoration Planning Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-30-APR-03	Watershed and Sub-basin Planning and Assessment	$52,475	$0	Northern California Coastal

Project Description

Improve fish passage and habitat quality in Salmon Creek through the development of an implementation ready plan for the delta at the mouth in Humboldt Bay.

Project Ref	Grantee	Project Name	State
704634	CDFG	Expert Witness - Lower Yuba River Water Rights Hearing	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Watershed and Sub-basin Planning and Assessment	$0	$35,500	California

Project Description

Provide advice and expert witness testimony to the CDFG at the Lower Yuba River Water Rights Hearing. Provide a review and written critique of a steelhead temperature study that was introduced as evidence in the hearing.

Project Ref	Grantee	Project Name	State
705200	CDFG	Shasta Groundwater Mgt. Planning , Phase 1	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-04-31-MAR-06	Watershed and Sub-basin Planning and Assessment	$0	$24,035	Klamath

Project Description

This project will be a greatly increased knowledge of the critical role of groundwater in sustaining surface flows critical for salmonids. The ultimate goal will be the development of a groundwater management plan by Siskiyou county that protects all beneficial uses of both ground and surface water, including salmon and steelhead.

Project Ref	Grantee	Project Name	State
705223	CDFG	Eel River Watershed Improvement Group, Organizational Support, 2004-0	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-04-30-JUN-06	Watershed and Sub-basin Planning and Assessment	$142,961	$36,150	Northern California Coastal

Project Description

Improve water quality, spawning and rearing habitat of salmon and steelhead throughout the Eel River system by providing salary support and operating expenses for 2 Watershed Coordinator positions in the Eel River Basin.

Project Ref	Grantee	Project Name	State
705328	CDFG	Salt River Restoration Project - Feasibility Phase	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Watershed and Sub-basin Planning and Assessment	$76,362	$92,061	Northern California Coastal

Project Description

A Draft Salt River Preliminary Restoration Plan (PRP) has been developed by the U.S. Army Corps of Engineers. A detailed plan formulation/evaluation process will be completed to evaluate the opportunities for ecosystem restoration along the Salt River in the feasibility phase, which will lead to the Detailed Project Report (DPR), in preparation for on-the-ground construction.

Project Ref	Grantee	Project Name	State
705373	CDFG	Big Springs Irrigation District Water Use Efficiency Investigation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-04-31-MAR-06	Watershed and Sub-basin Planning and Assessment	$11,865	$8,238	Klamath

Project Description

Determine where water is being lost from the Big Springs Irrigation District irrigation system, applied inefficiently, or otherwise improperly distributed, and develop a list of recommendations and associated costs coupled with the estimated benefits in terms of quantity of water left in the ground.

Project Ref	Grantee	Project Name	State
705374	CDFG	Six Rivers Conservation Easement Planning Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-04-31-MAR-06	Watershed and Sub-basin Planning and Assessment	$157,446	$0	Northern California Coastal

Project Description

Identify and evaluate the factors limiting anadromous salmonid populations on the laqua Ranch (5000 acres), the North Fork Ranch (700 acres), the Gun Valley Ranch (9,000 acres). Develop ranch plans for each that will result in documents that communicate restoration goals, establish priorities for restoration efforts and identify specific project sites and designs.

Project Ref	Grantee	Project Name	State
705416	CDFG	California Habitat Restoration Project Database (CHRPD) 2004-2005	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Watershed and Sub-basin Planning and Assessment	$0	$124,880	California

Project Description

The CHRPD is the primary grants-tracking tool for the DFG Fisheries Restoration Grant Program and will eventually contain all anadromous habitat restoration projects funded by DFG and other agencies and organizations in California. The CHRPD (including detailed geographic data) provides a powerful framework for evaluating past restoration work and determining needs for future work throughout the state, helping to direct the best use of resources for on-the-ground projects.

Project Ref	Grantee	Project Name	State
706381	CDFG	Arroyo Grande Watershed Forum Organization	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-06-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$21,536	Central California Coastal

Project Description

Continue the development of the Arroyo Grande Watershed Forum to increase general public and landowner support for the protection, enhancement and restoration of anadromous salmonids (Steelhead trout) in the Arroyo Grande Watershed. This will include the development of a prioritized restoration plan.

Project Ref	Grantee	Project Name	State
720512	CDFG	Habitat Manual Printing	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Watershed and Sub-basin Planning and Assessment	$0	$12,448	California

Project Description

California Salmonid Stream Habitat Restoration Manual printing

Project Ref	Grantee	Project Name	State
704251	CDFG	Middle Van Duzen Watershed Inventory and Implementation Planning Proj	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAR-01-16-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$243,200	Northern California Coastal

Project Description

Reduce impacts to and restore salmonid habitat through development of a site specific and prioritized plan for cost-effective erosion prevention, erosion control and habitat restoration in the 157 mile portion of the middle Van Duzen River watershed. This will be accomplished through air photo analysis, field inventory of upland sediment sources, preparation of prioritized plan of action.

Project Ref	Grantee	Project Name	State
704252	CDFG	Mill Creek Watershed Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-25-OCT-02	Watershed and Sub-basin Planning and Assessment	$0	$27,804	Northern California Coastal

Project Description

Improve and protect aquatic habitat by providing cost-effective treatment for accelerated erosino and sediment yield at identified sites in the Mill Creek Watershed and along Matthews Ranch Road. Sediment yield mitigation through road upgrades, crossing removals, and streambank armoring in the riparian zone.

Project Ref	Grantee	Project Name	State
704256	CDFG	Little Larabee Creek Erosion Assessment Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-28-JAN-03	Watershed and Sub-basin Planning and Assessment	$0	$26,160	Northern California Coastal

Project Description

Conduct an assessment of erosion problems as they relate to water quality for salmonids, on the rural/forest roads in the Little Larabee Creek Watershed, for the purpose of implementing erosion control measures and watershed restoration planning.

Project Ref	Grantee	Project Name	State
704257	CDFG	John Rice Property: Watershed Inventory and Implementation Planning Pr	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-07-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$18,402	Northern California Coastal

Project Description

Conduct an assessment of erosion problems as they relate to water quality for salmonids, for the purpose of implementing erosion control measures and watershed restoration planning in a 4,900-acre portion of the Main Stem Eel River near Alderpoint, CA.

Project Ref	Grantee	Project Name	State
704258	CDFG	Eel River Watershed Improvement Group Support and Assistance Propos	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-11-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$117,395	Northern California Coastal

Project Description

Provide salary support, office and operational expenses for two watershed coordinator positions in the Eel River basin.

Project Ref	Grantee	Project Name	State
704264	CDFG	Adopt-A-Watershed Leadership Institute	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAR-01-28-DEC-02	Watershed and Sub-basin Planning and Assessment	$75,129	$73,286	California

Project Description

Allow Adopt-A-Watershed to implement and coordinate high quality watershed education/training in 8 new communities in critical salmon and steelhead habitat areas of California.

Project Ref	Grantee	Project Name	State
704270	CDFG	Larabee Creek Ranch Subdivision Road Watershed Erosion Hazard Asses	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-16-APR-03	Watershed and Sub-basin Planning and Assessment	$23,634	$0	Northern California Coastal

Project Description

Conduct a systematic inventory of the road and land use related erosion hazards and active sediment sources. Results will be presented in a planning report that will include a prioritized site treatment list.

Project Ref	Grantee	Project Name	State
704277	CDFG	Fish Habitat Assistant	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-28-APR-03	Watershed and Sub-basin Planning and Assessment	$0	$340,127	Lower Sacramento

Project Description

To expand California Conservation Corps fish habitat improvement work projects to key coastal watersheds of California by funding four Fish Habitat Assistants for two years.

Project Ref	Grantee	Project Name	State
AKPND5D	ADFG	Columbia River Hydro System Management Participation	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Watershed and Sub-basin Planning and Assessment	$246,133	$0	Alaska

Project Description

Congressional earmark

Project Ref	Grantee	Project Name	State
AK45402	ADFG	YRDFA Planning Project	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-SEP-03-01-JUN-04	Watershed and Sub-basin Planning and Assessment	$50,353	$0	Upper Yukon River

Project Description

Identify projects to sustain and/or restore salmon stocks and salmon fisheries in the Yukon River area. Planning efforts will be coordinated with other entities involved with salmon resource and social issues in the Yukon River drainage. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45425	ADFG	Kenai Peninsula Dam Evaluation	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$75,460	$0	Kenai Peninsula

Project Description

Identification of all dams on the Kenai Peninsula with emphasis on those that inhibit access to potentially productive upstream fish habitat. Development of a process for evaluating and prioritizing the dams for fish passage restoration. Production of a written report with recommendations for future restoration projects and database containing the information collected on Kenai Peninsula area dams.

Project Ref	Grantee	Project Name	State
AK45435	ADFG	Stikine River Chinook Telemetry	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Watershed and Sub-basin Planning and Assessment	$79,900	$0	Central Southeast Alaska

Project Description

Evaluate current methods used to estimate escapement and identify critical spawning habitat. Capture adult chinook in gillnets in the lower Stikine as part of a mark-recapture study to estimate spawning abundance. Radio tag and track chinook in the Stikine during 2005.

Project Ref	Grantee	Project Name	State
AK45204	ADFG	PSMFC - Atlantic Salmon and Invasives	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-02-01-JUN-07	Watershed and Sub-basin Planning and Assessment	$484,615	$0	Alaska

Project Description

Administrative costs of PSMFC Atlantic salmon and invasive species program. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45210	ADFG	Invasive Species Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JAN-03-01-JUN-05	Watershed and Sub-basin Planning and Assessment	$265,385	$0	Alaska

Project Description

Funding for ADF and G implementation of the Alaska Aquatic Nuisance Species Management Plan to protect salmon from invasive species. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45211	ADFG	Information System	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-DEC-02-01-JUN-07	Watershed and Sub-basin Planning and Assessment	$250,084	$0	Central Southeast Alaska

Project Description

Create a user-friendly database management system for habitat and permit data

Project Ref	Grantee	Project Name	State
AK45212	ADFG	Sentinel Transboundary	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-DEC-02-01-JUN-07	Watershed and Sub-basin Planning and Assessment	$354,114	$0	Southern Southeast Alaska

Project Description

Establish tools for sentinel habitat monitoring program for transboundary watersheds

Project Ref	Grantee	Project Name	State
AK45213	ADFG	Increment to Instream Flow	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-06-01-JUN-07	Watershed and Sub-basin Planning and Assessment	$183,958	$0	Central Southeast Alaska

Project Description

Identify instream flow needs for salmon and make reservations

Project Ref	Grantee	Project Name	State
AK45217	ADFG	USGS Gaging	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-02-01-JUN-07	Watershed and Sub-basin Planning and Assessment	$454,539	$0	Central Southeast Alaska

Project Description

Acquire hydrologic information integral to salmon research and management

Project Ref	Grantee	Project Name	State
AK45221	ADFG	AYK Salmon Research	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-01-MAY-04	Watershed and Sub-basin Planning and Assessment	$618,479	$0	Upper Kuskokwim River

Project Description

Facilitate the development and implementation of an AYK area research and restoration plan. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45228	ADFG	Kuskokwim Salmon Subsistence Surveys	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-JUN-04	Watershed and Sub-basin Planning and Assessment	$104,639	$0	Upper Kuskokwim River

Project Description

Collect subsistence salmon harvest data for the 2003 fall survey period, covering all communities in the Kuskokwim area except Bethel. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45265	ADFG	ADNR Road Condition-Fish Passage	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-JUN-07	Watershed and Sub-basin Planning and Assessment	$283,250	$0	Central Southeast Alaska

Project Description

Collaborate with local, state, federal and tribal governments, landowners, and the timber industry to monitor and assess the condition of roads and stream crossings, including fish passage, and prioritize restoration efforts, on State, Mental Health Trust, University, municipal, and private lands.

Project Ref	Grantee	Project Name	State
AK45285	ADFG	Canadian Mine Project Review DNR	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Watershed and Sub-basin Planning and Assessment	$35,102	$0	Southern Southeast Alaska

Project Description

Support DNR's Large Mine Team (LMT) review of the Tulsequah Chief, Galore Creek, and possibly other mine projects in British Columbia that have the potential to impact water quality and fishery resources in Alaska.

Project Ref	Grantee	Project Name	State
AK45103	ADFG	Southeast Community Watershed Stewardship Project	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-02-01-JUL-06	Watershed and Sub-basin Planning and Assessment	$721,000	$0	Central Southeast Alaska

Project Description

Promote, initiate, and implement community watershed stewardship councils in SE AK

Project Ref	Grantee	Project Name	State
AK45105	ADFG	Southeast Community Watershed Stewardship Project-ADF and G	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-02-01-JUL-06	Watershed and Sub-basin Planning and Assessment	$492,340	$0	Central Southeast Alaska

Project Description

ADF and G technical assistance to the Community Watershed Stewardship Project

Project Ref	Grantee	Project Name	State
AK45106	ADFG	Road Condition - Fish Passage	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Watershed and Sub-basin Planning and Assessment	$15,802	$0	Alaska

Project Description

This project was cancelled. Assess the condition of roads and fish passage structures and identify those instances in which restoration of habitat and fish passage is needed.

Project Ref	Grantee	Project Name	State
AK45107	ADFG	Instream Flow Reservations	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-02-01-JUN-06	Watershed and Sub-basin Planning and Assessment	$600,000	$0	Central Southeast Alaska

Project Description

Identify instream flow needs for salmon and make reservations

Project Ref	Grantee	Project Name	State
AK45110	ADFG	Salmon Habitat Surveys	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-SEP-02-01-JUN-06	Watershed and Sub-basin Planning and Assessment	$988,129	$0	Central Southeast Alaska

Project Description

Survey and document salmon habitat on state, municipal, and private lands

Project Ref	Grantee	Project Name	State
AK45322	ADFG	Habitat Database Field Verification and Reporting	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-31-JUL-06	Watershed and Sub-basin Planning and Assessment	$164,800	$0	Central Southeast Alaska

Project Description

Complete work on the SE AK salmon habitat database

Project Ref	Grantee	Project Name	State
AK45323	ADFG	Salmon Escapement Database Integration	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-02-01-JUN-06	Watershed and Sub-basin Planning and Assessment	$305,395	$0	Central Southeast Alaska

Project Description

Improve salmon escapement data storage and retrieval system and link to broader SE AK salmon database system

Project Ref	Grantee	Project Name	State
AK45326	ADFG	Data Links - SE AK Limnology Database	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-01-JUL-05	Watershed and Sub-basin Planning and Assessment	$249,775	$0	Central Southeast Alaska

Project Description

Construct a limnology database system for 175 lakes in SE AK, and link to broader SE AK salmon database system

Project Ref	Grantee	Project Name	State
AK45327	ADFG	ADEC Watershed Stewardship and Wetlands	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-DEC-02-01-JUN-05	Watershed and Sub-basin Planning and Assessment	$6,767	$0	Central Southeast Alaska

Project Description

ADEC technical assistance to the Community Watersheds Stewardship Program, including development of stormwater BMPs and a wetlands assessment tool

Project Ref	Grantee	Project Name	State
AK45330	ADFG	Technical Assistance - Sport Fish	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-DEC-02-01-JUN-05	Watershed and Sub-basin Planning and Assessment	$110,313	$0	Central Southeast Alaska

Project Description

Technical expertise for review of proposed projects, coordination with other organizations, and assistance to the SSSF manager in project accounting and evaluation

Project Ref	Grantee	Project Name	State
AK45332	ADFG	Nearshore Assessment and Stewardship	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Watershed and Sub-basin Planning and Assessment	$1,604	$0	Alaska

Project Description

Project cancelled - Provide overall coordination and direction for nearshore marine habitat inventory, classification, planning, and stewardship to identify and protect high value habitats.

Project Ref	Grantee	Project Name	State
AK45002	ADFG	Transboundary River Tulsequah	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-SEP-00-02-JAN-02	Watershed and Sub-basin Planning and Assessment	$95,386	$0	Northern Southeast Alaska

Project Description

Identify and protect salmon spawning and rearing habitat

Project Ref	Grantee	Project Name	State
AK45003	ADFG	Tulsequah Chief Review	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-01-DEC-03	Watershed and Sub-basin Planning and Assessment	$24,633	$0	Northern Southeast Alaska

Project Description

Participate in proposed British Columbia mine project review

Project Ref	Grantee	Project Name	State
AK45004	ADFG	Transboundary Watershed	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-01-JUN-05	Watershed and Sub-basin Planning and Assessment	$372,036	$0	Southern Southeast Alaska

Project Description

Develop a detailed base-map of Southeast Alaska/Canadian transboundary rivers

Project Ref	Grantee	Project Name	State
AK45005	ADFG	CRITFC: Stock Assessment and Research Plan	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-AUG-01-01-OCT-02	Watershed and Sub-basin Planning and Assessment	$51,500	$0	Lower Columbia

Project Description

Catalog essential biological and environmental data pertinent to Mid-Columbia Chinook

Project Ref	Grantee	Project Name	State
AK45006	ADFG	Invasive Species	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-01-01-JUN-04	Watershed and Sub-basin Planning and Assessment	$70,347	$0	Alaska

Project Description

Develop and implement an Aquatic Nuisance Species Plan

Project Ref	Grantee	Project Name	State
AK45013	ADFG	Prelim Habitat Assessment	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-00-01-DEC-02	Watershed and Sub-basin Planning and Assessment	$201,676	$0	Central Southeast Alaska

Project Description

Assess SE AK salmon habitat from upland areas to estuaries

Project Ref	Grantee	Project Name	State
AK45015	ADFG	Annual Habitat Condition	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-01-JUL-05	Watershed and Sub-basin Planning and Assessment	$938,021	$0	Central Southeast Alaska

Project Description

Develop a database to be used to analyze the condition of salmon habitat and future risks to that habitat

Project Ref	Grantee	Project Name	State
AK45016	ADFG	Nearshore Habitat Survey	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-01-JUN-05	Watershed and Sub-basin Planning and Assessment	$165,212	$0	Central Southeast Alaska

Project Description

Collect data on the location, habitat type and condition of nearshore marine salmon habitat in SE AK

Project Ref	Grantee	Project Name	State
AK45017	ADFG	Road Condition - Fish Passage	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-01-FEB-03	Watershed and Sub-basin Planning and Assessment	$76,415	$0	Central Southeast Alaska

Project Description

Assess the condition of roads and fish passage structures and identify where restoration of habitat and fish passage is needed

Project Ref	Grantee	Project Name	State
AK45018	ADFG	Salmon Habitat Surveys in Streams and Lakes	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-01-DEC-03	Watershed and Sub-basin Planning and Assessment	$301,996	$0	Central Southeast Alaska

Project Description

Conduct salmon habitat and distribution surveys to document salmon streams in SE AK

Project Ref	Grantee	Project Name	State
AK45019	ADFG	Enhanced Habitat Management	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-01-JUN-03	Watershed and Sub-basin Planning and Assessment	$122,127	$0	Central Southeast Alaska

Project Description

Review salmon habitat protection authorities to avoid, minimize or mitigate adverse impacts to salmon habitat

Project Ref	Grantee	Project Name	State
AK45027	ADFG	Identification and Protection of Marine Habitat Zones	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-DEC-01-01-DEC-03	Watershed and Sub-basin Planning and Assessment	$49,955	$0	Central Southeast Alaska

Project Description

Develop a process for identifying and implementing protection zones and goals and uses for these zones

Project Ref	Grantee	Project Name	State
AK45030	ADFG	CRITFC: Stock Assessment and Research, Upper Columbia R. Chinook	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-01-01-DEC-04	Watershed and Sub-basin Planning and Assessment	$164,800	$0	Upper Columbia

Project Description

Research and evaluate the contribution of the Priest Rapids Hatchery to supplement naturally spawning fall Chinook in the upper Columbia River

Project Ref	Grantee	Project Name	State
AK45036	ADFG	Taku River Watershed Planning	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Watershed and Sub-basin Planning and Assessment	$2,222	$0	Northern Southeast Alaska

Project Description

Conduct habitat assessment of the Taku River watershed

Project Ref	Grantee	Project Name	State
AK45040	ADFG	Instream Flow and Other Salmon Habitat Needs	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-01-JUN-03	Watershed and Sub-basin Planning and Assessment	$164,163	$0	Alaska

Project Description

Contribute to protection of instream flows for water bodies in SE AK to ensure fish productivity, habitat protection and instream flow needs.

Project Ref	Grantee	Project Name	State
AK45057	ADFG	CRITFC Deschutes Salmon Count Strategy	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-02-01-AUG-02	Watershed and Sub-basin Planning and Assessment	$52,478	$0	Deschutes

Project Description

Research to measure the retention of coded-wire tags (CWT), part of a feasibility study of establishing a CWT program for Deschutes River fall Chinook

Project Ref	Grantee	Project Name	State
AK45059	ADFG	CRITFC FERC Hanford Reach	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-02-01-DEC-03	Watershed and Sub-basin Planning and Assessment	$581,950	$0	Lower Columbia

Project Description

Map bathymetry of the Hanford reach, and design program to determine the number of outmigrating fall Chinook smolts stranded due to low water levels

Project Ref	Grantee	Project Name	State
AK45060	ADFG	CRITFC Mid-Columbia Summer Chinook	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAR-03-01-JUN-05	Watershed and Sub-basin Planning and Assessment	$686,351	$0	Middle Columbia

Project Description

Collect accurate stock assessment data for Columbia River summer chinook

Project Ref	Grantee	Project Name	State
04-1753-2004	WA IAC	Marking and tagging trailers FFY04	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	17-SEP-04-28-FEB-05	Salmon Enhancement	$862,695	$0	Washington

Project Description

Congressional legislation in 2004 authorized funds for the US Department of Fish and Wildlife to purchase an automated fish marking and tagging systems (MATS). Under this legislation all juvenile salmon produced by federally funded entities are to be mass marked with an adipose fin clip if intended for harvest. These MATS, which are able to mark and/or tag 30,000-35,000 fish per 8 hour shift, will help Washington comply with this legislation.

Project Ref	Grantee	Project Name	State
03-1179-2003	WA IAC	Marking & Tagging System (MATS) Purchase	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	23-JUN-03-30-JUN-04	Salmon Enhancement	$1,527,195	$0	Washington

Project Description

Congressional legislation in 2003 authorized funds for the Washington Department of Fish and Wildlife to purchase two automated fish marking and tagging systems (MATS). Under this legislation all juvenile salmon produced by federally funded entities are to be mass marked with an adipose fin clip if intended for harvest. These MATS, which are able to mark and/or tag 30,000-35,000 fish per 8 hour shift, will help Washington comply with this legislation.

Project Ref	Grantee	Project Name	State
02-1017-2002	WA IAC	Marking and Tagging System	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-02-30-JUN-03	Salmon Enhancement	$1,000,000	$0	Washington

Project Description

The Department of Fish and Wildlife will purchase two automatic marking and tagging trailers. The machines will be used to mass mark and/or apply coded wire tags on hatchery fish, where applicable. The machines provide an easy way to apply marks and/or tag fish that does not cause significant fish mortality and lasts for the five-year life cycle of chinook salmon. The tagging will be visible to fishers. The trailers containing the marking and tagging systems will be moved from hatchery to hatchery.

Project Ref	Grantee	Project Name	State
USFWS/WDFW/	USFWS/WDFW/ODFW	Columbia River Hatcheries Mass Marking	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-OCT-03-30-SEP-04	Salmon Enhancement	$1,082,000	$0	Oregon - Washington

Project Description

Mass marking of salmon in Columbia River hatcheries. Congressionally mandated project.

Project Ref	Grantee	Project Name	State
USFWS/WDFW/	USFWS/WDFW/ODFW	Columbia River Hatcheries Mass Marking	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-02-30-SEP-03	Salmon Enhancement	$1,087,000	$0	Oregon - Washington

Project Description

Mass marking of salmon in Columbia River hatcheries. Congressionally mandated project.

Project Ref	Grantee	Project Name	State
SBT-Salmon Sup	Shoshone-Bannock None	Salmon (Idaho) River System Chinook and Steelhead Supplementation	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Enhancement	$85,500	$0	Idaho

Project Description

The Shoshone-Bannock Tribes will supplement spring/summer Chinook salmon and Snake River steelhead populations. Objectives include ¿ Plant Snake River spring/summer chinook salmon eggs and Snake River steelhead eggs in side-stream and in-stream incubators;
¿ Release Snake River steelhead smolts for natural production supplementation;
¿ Plant adult Snake River steelhead and Chinook salmon for natural production supplementation.

Project Ref	Grantee	Project Name	State
SBT-Salmon Sup	Shoshone-Bannock	SBT-SalmonSupplementation-01	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-31-DEC-03	Salmon Enhancement	$69,199	$0	Salmon

Project Description

Plant Snake River spring/summer chinook salmon and Snake River steelhead eggs, and release presmolts, smolts, and adults mandated in production agreements under US. v Oregon and ESA recovery. The specific actions will be developed mutually between the NMFS and the Shoshone-Bannock Tribes and will be consistent with NMFS policies and Shoshone-Bannock Tribal Treaty Rights. Specifically, the production actions under this portion of the program include planting one million steelhead eggs annually in upper Salmon River tributaries, releasing 480,000 steelhead smolts into the Lemhi River, Yankee Fork Salmon River, Valley Creek, planting captive reared spring chinook salmon eggs into three natal tributaries as part of the IDFG and NMFS captive rearing program (East Fork, Lemhi, and West Fork Yankee Fork), planting summer chinook eggs in the South Fork Salmon River, and assisting outplanting spring/summer chinook adult salmon into Panther Creek and various South Fork Salmon River tributaries. The production actions under this program are presently included in ESA Section 10 Permits (Idaho Supplementation Studies, Idaho Chinook Salmon Captive Rearing Project, and Hells Canyon Settlement Agreement hatchery operations (Rapid River Hatchery), the March 1998 Section 7 Artificial Production Biological Opinion, and ESA Section 7(d) concurrence letters. Monitoring and evaluation for incubation and rearing success, and adult returns and subsequent spawning are coordinated with and involve the Lower Snake River Compensation Program and production programs. Monitoring ongoing production actions includes quantifying production output and adult returns, environmental parameters that are used to determine output timing, location and life stage. Monitoring will also cover tribal harvest in the Salmon River system.

Project Ref	Grantee	Project Name	State
23 370 42	Round Valley	Mill Creek Enhancement & Preservation Module	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Enhancement	$15,000	$0	Northern California Coastal

Project Description

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Project Ref	Grantee	Project Name	State
ODFW004f	OWEB OR Department of Fish and Wildlife	Habitat and Fish Management Biologists	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Salmon Enhancement	$56,896	$0	Northern Oregon Coastal

Project Description

Assistant District Biologist (2.92 FTE): Work directly with District Fish Biologists and are associated with ongoing District fieldwork such as landowner assistance, habitat restoration, creel surveys, and other fish management activities that support the Oregon Plan. Serve as lead worker to field crews, and often share responsibility with the District Fish Biologist to represent the Department at public meetings. They work with the District Fish Biologist in development of annual angling regulations that protect indigenous stocks. Habitat Biologist (3.0 FTE): Provide technical assistance/consultation for State/Federal agencies, local governments, watershed councils, and landowners on protection, enhancement and restoration of fish and wildlife habitats. Assist with critical elements of the Oregon Plan, which are to allow sustainable development and also minimize, mitigate, or eliminate negative impacts to fish and wildlife habitat.

Project Ref	Grantee	Project Name	State
ODFW004k	OWEB OR Department of Fish and Wildlife	Habitat and Fish Management Biologists	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Salmon Enhancement	$43,215	$0	Willamette

Project Description

Assistant District Biologist (2.92 FTE): Work directly with District Fish Biologists and are associated with ongoing District fieldwork such as landowner assistance, habitat restoration, creel surveys, and other fish management activities that support the Oregon Plan. Serve as lead worker to field crews, and often share responsibility with the District Fish Biologist to represent the Department at public meetings. They work with the District Fish Biologist in development of annual angling regulations that protect indigenous stocks. Habitat Biologist (3.0 FTE): Provide technical assistance/consultation for State/Federal agencies, local governments, watershed councils, and landowners on protection, enhancement and restoration of fish and wildlife habitats. Assist with critical elements of the Oregon Plan, which are to allow sustainable development and also minimize, mitigate, or eliminate negative impacts to fish and wildlife habitat.

Project Ref	Grantee	Project Name	State
ODFW006	OWEB OR Department of Fish and Wildlife	Selective Fishery Modeling and Monitoring Program	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Salmon Enhancement	$148,840	$0	Oregon

Project Description

Mass marking of hatchery stocks and mark selective fisheries are an integral part of the Oregon Plan for Salmon and Watersheds and have been embraced by the National Marine Fisheries Service, the U.S. Fish and Wildlife Service, the Pacific Fishery Management Council and the Pacific Salmon Commission as a means to provide additional harvest opportunity while reducing impacts to weak stocks. The selective fishery modeling and monitoring project was developed to facilitate new analyses associated with mass marking and mark selective fisheries. The project analyst provides technical support for the management of mark selective salmon fisheries in state, federal, and international forums.

Project Ref	Grantee	Project Name	State
OWEB 204-908	OWEB	ODFW Mass Marking Trailers Purchase	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	19-SEP-03-30-JUN-07	Salmon Enhancement	$2,094,323	$0	Oregon

Project Description

ODFW purchase of mass marking trailers

Project Ref	Grantee	Project Name	State
2004-3-02	CRITFC Warm Springs Tribes	Fish Production Assessment on the Warm Springs Reservation IV	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-DEC-05	Salmon Enhancement	$170,162	$0	Deschutes

Project Description

Monitoring production of Anadromous salmonids from Reservation streams. Shitke Creek Spring Chinook Outplant and Hatchery/wild interaction evaluation.

Project Ref	Grantee	Project Name	State
2002-3-06	CRITFC Warm Springs Tribes	Fish Production Assessment on the Warm Springs Reservation II	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-DEC-02-31-DEC-04	Salmon Enhancement	$226,715	$0	Deschutes

Project Description

An assessment of current and potential fish production levels is needed to achieve the CTWSRO goal of self-sustaining harvestable wild anadromous fish populations and minimizing negative interactions between wild and hatchery fish. A variety of activities, including population inventory, summarization of decades of archived data, enhancement of natural production through supplementation outplanting of live adult fish and carcasses, and evaluation of terminal fishery sites shall be accomplished with funding provided through this Project. This project is an ongoing program, to be continued with funding from FY 2003.

Project Ref	Grantee	Project Name	State
117002	NWIFC Upper Skagit Tribe	Enhancement of Skagit Salmon Stocks	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-03-31-MAR-05	Salmon Enhancement	$72,223	$0	Puget Sound

Project Description

This project involves the capture of adult broodstock from the Skagit River, transport to Upper Skagit Hatchery for spawning, egg incubation, ponding, fry rearing & release. The program provides an outreach & education program from community youth.

Project Ref	Grantee	Project Name	State
113004	NWIFC Tulalip Tribe	Tulalip Native Plant Nursery and Plant Salvage Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-31-DEC-04	Salmon Enhancement	$54,369	$0	Washington

Project Description

The intent of this project is to enhance or improve riparian and wetland conditions for the benefit of fish, wildlife and tribal cultural purposes. Tulalip has aside property for the development of a site for the propagation and storage of upland plants, fresh water and estuarine wetland plants. One greenhouse for freshwater upland plants is currently under construction and will be in-use during this grant cycle.

Tulalip Tribal members are finding that some vegetative species of cultural significance are becoming difficult to locate and harvest for tribal cultural activities. Plant salvage will focus on those plants that have cultural significance and that are common to wetland and streamside habitats.

Project Ref	Grantee	Project Name	State
107004	NWIFC Suquamish Tribe	Grovers Creek Coho Recovery Monitoring	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-04	Salmon Enhancement	$31,644	$0	Puget Sound

Project Description

This project is a continuation of a project initiated with 2000 through 2002 PCSR funding (refer to the Suquamish Tribe¿s 2000, 2001, and 2002 PCSR MOA Performance Reports).

Grovers Creek coho will be individually sampled as they migrate upstream as adults in the fall of 2003 and downstream as smolts in the spring of 2004. Some of the outmigrant smolts may be recovered in the Miller Bay estuary located downstream of the outmigrant trap. This project is planned to continue many years, assessing recovery of naturally spawning coho and assessing the potential inter-species interaction that may occur between Grovers Creek Hatchery chinook, any potential chinook NOR¿s, and the nearby Cowling Creek Hatchery chum. Grovers Creek is the largest stream in north Kitsap County and bisects the two separate landmasses of the Suquamish Tribe¿s Port Madison Reservation. Tribal elders remember the stream primarily for the coho that fed Tribal Members for generations. These coho succumbed to logging, agricultural ditching practices, dynamiting the beaver dams, and pitchforking the adult salmon by farmers into their gardens. The last wild fish were harvested between the two world wars.

The Suquamish constructed a fall chinook hatchery on Grovers Creek in 1978 to provide salmon for Tribal harvest on-, and near-, reservation (see Project # 4 above). The harvests are not directed at the hatchery run, but at salmon returning to three off-station satellite rearing facilities in East Kitsap County. In cooperation with WDFW, the Tribe started a marine coho netpen project in 1981 in Agate Pass. While most of the coho are harvested near the pens, strays from the netpen show up primarily at Grovers Creek Hatchery, and the Tribe¿s nearby chum broodstock hatchery. These coho used to be killed and distributed to Tribal Members, as Grovers Creek spawning habitat is generally poor. Now all coho are passed upstream unless they are coded wire tagged. All cutthroat captured during chinook spawning operations are released unharmed upstream of the hatchery. Native Grovers Creek cutthroat persist by spawning in several small tributaries and their population has been increasing as the hatchery chinook run has built up.

The purpose of this project is to re-establish a Grovers Creek naturally reproducing coho salmon population. Extensive habitat restoration work will be required in the near future, but this project will document the existing baseline coho productivity. Using PCSR funding, the Tribal Fisheries Department will hire temporary fisheries technicians to monitor an outmigrant smolt trap that they build and install on Grovers Creek. The SEB will analyze and report the data. The timeframe for enumerating adult coho (male, female, jack, clipped, unclipped, cwt¿s to be recovered) is the fall of 2003. Outmigrant coho smolts (and all other species) will be documented in the spring of 2004.

The Tribe had been planting coho fry in Grovers Creek for 20 years, following WDFW¿s pattern of planting coho fry in other, under-escaped, small Kitsap streams over the same time period. This practice was discontinued by both the Tribe and WDFW in 1999. Coho smolts migrating downstream in 2000 were the last of the planted group. No adult coho were released upstream in 1999, and no coho fry were planted into Grovers Creek in 2000. 2004 outmigrant Grovers Creek coho will be the progeny of adults released upstream in the fall of 2002 and 2003. All hatchery coho are mass-marked so returning adult coho that naturally rear in Grovers Creek as fry have their adipose fins intact. The plan is for upstream habitat projects to contribute to natural production increases over time.

Project Ref	Grantee	Project Name	State
100160	NWIFC Suquamish Tribe	Gorst Creek Salmon Enhancement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Salmon Enhancement	$75,784	$0	Puget Sound

Project Description

Mark Grover's Creek Hatchery fall chinook salmon with coded wire tags so that they can be identified on spawning grounds of ESA-listed fish.

Project Ref	Grantee	Project Name	State
100159	NWIFC Suquamish Tribe	Gorst Creek Salmon Enhancement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-SEP-02	Salmon Enhancement	$60,120	$0	Puget Sound

Project Description

Mark Grover's Creek Hatchery fall chinook salmon with coded wire tags so that they can be identified on spawning grounds of ESA-listed fish.

Project Ref	Grantee	Project Name	State
108002	NWIFC Skokomish Tribe	Skokomish River/Treaty Area Landscape Parcel Acquisition and Option In	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-SEP-04	Salmon Enhancement	$25,118	$0	Puget Sound

Project Description

This project supports, via dedicated Tribal staff / representative, the development of a land acquisition plan with the goal of designation of such lands into a river trust/conservancy or some other long-term protective management mechanism. The lands that will be investigated for purchase will be riparian and wetland areas that are important for spawning or rearing of salmonids. It is clear that the most effective means of protecting critical habitat is to purchase it outright and place it into protective status. This project allows for supplementary funds to be accessed from this fund, and combined with Washington Salmon Recovery Board funds (SRFBoard) for a land purchase, with additional riparian enhancement taking place through other programs. Appraisals, surveyor needs, preliminary title, and investigative oversight are elements to be included with this proposed project budget. A Tribal representative would provide ongoing consistent support and appropriate supplemental investigation. Timing of this project will be from October 1 2003 through September 30, 2004 and has commenced, with discussion with landowner(s) and land trust staff taking place. Appraisals have been ordered and were made available late- autumn 2002 for 160 acres of wetland adjacent to the Skokomish Reservation.

Another Project Proposal (#4) will address specifically the land acquisition funds, which will be contingent upon willing landowners agreeing to sell for appraised price determined objectively and independently, as certain funding mechanisms have certain restrictions. Currently there are four (4) types of lands identified that require additional scrutiny and investigation for possible acquisition. They are individual trust lands within the Reservation lands, fee lands within the Reservation, family trust / fee lands off, but adjacent to the Reservation, and private fee lands without a close proximity to the Reservation, but have been identified as critical and sensitive landscapes related to salmonid life history support from a variety of sources.

There are a variety supplemental financial support from varied sources that need to be taken into consideration for helping implement a series of successive and successful projects of property acquisition. Timeline restrictions, categorical exclusions, landscape risk or threat or continued degradation are just a few of the elements that will require attention.

Project Ref	Grantee	Project Name	State
100187	NWIFC Skagit System Cooperative	Enhancement of Skagit Salmon Stocks & ESA Related Enhancement Acti	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-JUN-03	Salmon Enhancement	$107,313	$0	Puget Sound

Project Description

Enhance Skagit River Chum by catching about 500 wild chum broodstock in the Skagit River prior to spawning, transport the fish to the Red Creek Hatchery, spawn them, rear progeny to fingerling size and release them in the Skagit System after otolith-marking each so they can be identified when they return. ALSO work with WDFW and the Hatchery Scientific Recovery Group (HSRG) to develop recommendations for the Skagit System Cooperative facilities and ongoing development of Skagit Hatchery Genetic Management plans for the Skagit System Cooperative Tribes.

Project Ref	Grantee	Project Name	State
100188	NWIFC Skagit System Cooperative	Enhancement of Skagit Salmon Stocks	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-JUN-02	Salmon Enhancement	$124,118	$0	Puget Sound

Project Description

Enhance Skagit River Chum by catching about 500 wild chum broodstock in the Skagit River prior to spawning, transport the fish to the Red Creek Hatchery, spawn them, rear progeny to fingerling size and release them in the Skagit System after otolith-marking each so they can be identified when they return.

Project Ref	Grantee	Project Name	State
103000	NWIFC Quinault Nation	Queets River Wild Coho Supplementation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-SEP-04	Salmon Enhancement	$183,050	$0	Washington Coastal

Project Description

The Queets wild coho stock has frequently limited ocean and terminal area fisheries over the past two decades. Presently, the Olympic Peninsula Coho ESU is under review. The Queets wild coho supplementation program uses innovative enhancement techniques including; capturing of wild broodstock at various sites associated with upper mainstems and high gradient steams, raising the progeny of each site separately to the pre-smolt stage, acclimating the pre-smolts in natural or semi-natural pond sites near the location of the originating parents, allowing for volitional release as smolts, externally marking 100 percent of the smolts coupled with individual tag codes for each site location, allowing the returning adults to spawn naturally, thereby increasing the total spawning population and contributing to the natural fry and smolt production within the basin.

Project Ref	Grantee	Project Name	State
103001	NWIFC Quinault Nation	Quinault Sockeye Supplementation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-SEP-04	Salmon Enhancement	$176,950	$0	Washington Coastal

Project Description

Collect up to 1.1 million eggs from wild broodstock, incubate the eggs in the Lake Quinault Tribal Hatchery and release as un-fed fry into Lake Quinault. All fry will be otolith marked during their incubation in order to determine their origin upon return as adults. Returning adulds will be sampled in the commercial catch and on the spawning grounds. Origin will be determined from otoliths recovered. Production will be determined by monitoring catch records and estimating the escapement through hyroacoustic surveys in Lake Quinault.

Project Ref	Grantee	Project Name	State
100170	NWIFC Quinault Nation	Queets Wild Coho Supplementation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-03	Salmon Enhancement	$210,261	$0	Washington Coastal

Project Description

Queets wild coho stock has frequently limited ocean and terminal area fisheries over the past two decades. Presently the Olympic Peninsula Coho ESU is under review. The Queets wild coho supplementation program is an on-going project that started in 1984 and has undergone revisions over time as new information becomes available. Currently it uses innovative enhancement techniques including; capturing wild broodstock at various sites associated with upper mainstems and high gradient streams, raising the progeny of each site separately to the pre-smolt stage, acclimating the pre-smolts in natural or semi-natural pond sites near the location of the originating parents, allowing for volitional release as smolts, externally marking 100 percent of the smolts coupled with individual tag codes for each site location, allowing the returning adults to spawn naturally, thereby increasing the total spawning population and contributing to the natural fry and smolt production within the basin.

Project Ref	Grantee	Project Name	State
100173	NWIFC Quinault Nation	Sockeye Supplementation and Enhancement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-03	Salmon Enhancement	$207,239	$0	Washington Coastal

Project Description

Enhance Quinault River Sockeye by catching wild sockeye from Quinault Lake, spawn them at a hatchery, rear progeny to swim-up fry and zero-age smuts then release them back into the Quinault Lake after otolith-marking each so they can be identified when they return.

Project Ref	Grantee	Project Name	State
100171	NWIFC Quinault Nation	Queets Wild Coho Supplementation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Enhancement	$200,149	$0	Washington Coastal

Project Description

Queets wild coho stock has frequently limited ocean and terminal area fisheries over the past two decades. Presently the Olympic Peninsula Coho ESU is under review. The Queets wild coho supplementation program is an on-going project that started in 1984 and has undergone revisions over time as new information becomes available. Currently it uses innovative enhancement techniques including; capturing wild broodstock at various sites associated with upper mainstems and high gradient streams, raising the progeny of each site separately to the pre-smolt stage, acclimating the pre-smolts in natural or semi-natural pond sites near the location of the originating parents, allowing for volitional release as smolts, externally marking 100 percent of the smolts coupled with individual tag codes for each site location, allowing the returning adults to spawn naturally, thereby increasing the total spawning population and contributing to the natural fry and smolt production within the basin.

Project Ref	Grantee	Project Name	State
100174	NWIFC Quinault Nation	Sockeye Supplementation and Enhancement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Enhancement	$82,351	$0	Washington Coastal

Project Description

Enhance Quinault River Sockeye by catching wild sockeye from Quinault Lake, spawn them at a hatchery, rear progeny to swim-up fry and zero-age smuts then release them back into the Quinault Lake after otolith-marking each so they can be identified when they return.

Project Ref	Grantee	Project Name	State
100172	NWIFC Quinault Nation	Queets Wild Coho Supplementation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-02-30-SEP-03	Salmon Enhancement	$148,398	$0	Washington Coastal

Project Description

Queets wild coho stock has frequently limited ocean and terminal area fisheries over the past two decades. Presently the Olympic Peninsula Coho ESU is under review. The Queets wild coho supplementation program is an on-going project that started in 1984 and has undergone revisions over time as new information becomes available. Currently it uses innovative enhancement techniques including; capturing wild broodstock at various sites associated with upper mainstems and high gradient streams, raising the progeny of each site separately to the pre-smolt stage, acclimating the pre-smolts in natural or semi-natural pond sites near the location of the originating parents, allowing for volitional release as smolts, externally marking 100 percent of the smolts coupled with individual tag codes for each site location, allowing the returning adults to spawn naturally, thereby increasing the total spawning population and contributing to the natural fry and smolt production within the basin.

Project Ref	Grantee	Project Name	State
100175	NWIFC Quinault Nation	Sockeye Supplementation and Enhancement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-02-30-SEP-03	Salmon Enhancement	$73,647	$0	Washington Coastal

Project Description

Enhance Quinault River Sockeye by catching wild sockeye from Quinault Lake, spawn them at a hatchery, rear progeny to swim-up fry and zero-age smuts then release them back into the Quinault Lake after otolith-marking each so they can be identified when they return.

Project Ref	Grantee	Project Name	State
2003-quil-4	NWIFC Quileute Tribe	Salmon Enhancement Quileute Hatchery	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-31-MAR-05	Salmon Enhancement	$19,600	$0	Washington Coastal

Project Description

Construct new hatchery freezer and housing/foundation for freezer.

Project Ref	Grantee	Project Name	State
111000	NWIFC Puyallup Tribe	Upper Puyallup River/Electron Fish Monitoring Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-01-30-SEP-04	Salmon Enhancement	$185,000	$0	Puget Sound

Project Description

The upper Puyallup River/ Electron monitoring project involves the reintroduction of salmon to habitat that was blocked from anadromous fish access for 97 years. Rearing efforts for coho and chinook have been ongoing since 1997. Additionally, surplus hatchery adults from the WDFW Voights Cr. facility are transported and released at multiple sites to inject a natural reproduction element into the recovery strategy. Spawning surveys are conducted to verify habitat usage distribution and abundance of all species encountered. Fish are examined for marks and CWT's to identify origin. Project also includes monitoirng and enumeration of outmigrants at the PSE Electron forebay smolt trap. Smolts are collected weekly, ID'd and measured to determine growth and outmigrant timing.

Project Ref	Grantee	Project Name	State
111001	NWIFC Puyallup Tribe	White River Spring Chinook Enhancement	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-91-30-SEP-04	Salmon Enhancement	$140,000	$0	Puget Sound

Project Description

The Puyallup Tribe is also performing spring chinook spawning distribuiton and abundance monitoring for White River Spring chinook. The Tribe operates 3 rearing ponds in the upper White River where chinook are acclimated for 2 months prior to release. These ponds have been in operation since 1995. Adult returns to the upper White and its tributaries provide a direct measure of success of this program.

Project Ref	Grantee	Project Name	State
100035	NWIFC Puyallup Tribe	Puyallup Basin Fisheries Enhancement and Monitoring	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-01-SEP-03	Salmon Enhancement	$417,500	$0	Puget Sound

Project Description

This project is a continuation of enhancement efforts related to upper White River spring Chinook, as well as upper Puyallup River chinook and coho restoration. The Tribe will also continue with ongoing monitoring efforts, including catch sampling, adult escapement surveys and smolt trapping. Programs are year round. Rearing efforts take place at six acclimation ponds in the spring. Outmigration monitoring is year round at the Electron Forebay trap and from March through September at the lower Puyallup River screw trap. Spawning surveys begin in mid-August and continue through February for chum and coho. Steelhead surveys begin March 15 and go through June 15.

Project Ref	Grantee	Project Name	State
100067	NWIFC Puyallup Tribe	Spring Chinook Enhancement Program	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-01-SEP-02	Salmon Enhancement	$141,250	$0	Puget Sound

Project Description

This project is a continuation of enhancement efforts related to upper White River spring Chinook, as well as upper Puyallup River chinook and coho restoration. The Tribe will continue with ongoing monitoring efforts, including catch sampling, adult escapement surveys and smolt trapping. Programs are year round. Rearing efforts take place at six acclimation ponds in the spring. Outmigration monitoring is year round at the Electron Forebay trap and from March through September at the lower Puyallup River screw trap. Spawning surveys begin in mid-August and continue through February for chum and coho. Steelhead surveys begin March 15 and go through June 15.

Project Ref	Grantee	Project Name	State
100097	NWIFC Puyallup Tribe	Electron Fisheries Enhancement Program	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Enhancement	$141,250	$0	Puget Sound

Project Description

One of the elements of this project is the continuation of ongoing enhancement efforts related to upper White River spring Chinook, as well as upper Puyallup River chinook and coho restoration. The Tribe will conduct ongoing monitoring efforts, including catch sampling, adult escapement surveys and smolt trapping. Programs are year round. Rearing efforts take place at six acclimation ponds in the spring. Outmigration monitoring is year round at the Electron Forebay trap and from March through September at the lower Puyallup River screw trap. Spawning surveys begin in mid-August and continue through February for chum and coho. Steelhead surveys begin March 15 and go through June 15. The purpose of the monitoring is to obtain updated numbers following habitat restoration and forest practice rule changes over the last decade. Habitat improvements throughout the Dickey System have provided improved juvenile summer and winter habitats. It is expected that the winter and summer habitats and population numbers have improved for juvenile coho's. Another component of this project involves monitoring/counting redds to obtain data on returning adult populations, as well as sampling tribal catch (gillnetting) and spawning grounds. Finally, participation in local salmon recovery programs, and use of the data in setting harvest management goals and determining appropriate management strategies are all funded under this project.

Project Ref	Grantee	Project Name	State
100089	NWIFC Puyallup Tribe	Puyallup Basin Fisheries Enhancement and Monitoring (listed as 2 project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-02-01-SEP-03	Salmon Enhancement	$235,000	$0	Puget Sound

Project Description

This project is the first year of enhancement efforts related to upper White River spring Chinook, as well as upper Puyallup River chinook and coho restoration. These projects were listed separately in 2000 and 2001 under the project titles "Spring Chinook Enhancement Program" and "Electron Fisheries Enhancement Program", but contain the same work elements and scheduling across all three years. The Tribe will conduct ongoing monitoring efforts, including catch sampling, adult escapement surveys and smolt trapping. Programs are year round. Rearing efforts take place at six acclimation ponds in the spring. Outmigration monitoring is year round at the Electron Forebay trap and from March through September at the lower Puyallup River screw trap. Spawning surveys begin in mid-August and continue through February for chum and coho. Steelhead surveys begin March 15 and go through June 15. The purpose of the monitoring is to obtain updated numbers following habitat restoration and forest practice rule changes over the last decade. Habitat improvements throughout the Dickey System have provided improved juvenile summer and winter habitats. It is expected that the winter and summer habitats and population numbers have improved for juvenile coho's. Another component of this project involves monitoring/counting redds to obtain data on returning adult populations, as well as sampling tribal catch (gillnetting) and spawning grounds. Finally, participation in local salmon recovery programs, and use of the data in setting harvest management goals and determining appropriate management strategies are all funded under this project.

Project Ref	Grantee	Project Name	State
100026	NWIFC Port Gamble S'Klallam Tribe	Genetic Characterization of Chinook from mid-Hood Canal Rivers	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-SEP-02-01-AUG-03	Salmon Enhancement	$35,000	$0	Puget Sound

Project Description

Sampling for juvenile chinook in the Dosewallips River was conducted on four occasions (April-July). Sampling will continue next year, adding the Duckabush River as an additional potential catch site until 50-100 chinook are collected. In the fall, samples will be taken from returning adults during spawning surveys. Summer chum Otolith samples (~400) were taken from Big Beef Creek, Little Anderson Creek, Little Quilcene River, and Chimacum Creek in 2001. This year, the otolith samples will be analyzed by WDFW to determine the contribution of the supplementation program to the summer chum populations in the Big Quilcene River and Chimacum Creek, as well as the rate of straying into other systems.

Project Ref	Grantee	Project Name	State
100021	NWIFC Muckleshoot Tribe	White River Hatchery Operations and Maintenance	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-03	Salmon Enhancement	$417,500	$0	Puget Sound

Project Description

The White River Spring Chinook stock was listed as Threatened under the 1999 ESA listing of the Puget Sound Chinook ESU. PCSRF funds sustain operations and maintenance activities at the White River Hatchery.

Project Ref	Grantee	Project Name	State
100086	NWIFC Muckleshoot Tribe	White River Hatchery Operations and Maintenance	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-30-SEP-01	Salmon Enhancement	$235,000	$0	Puget Sound

Project Description

The White River Spring Chinook stock was listed as Threatened under the 1999 ESA listing of the Puget Sound Chinook ESU. PCSRF funds sustain operations and maintenance activities at the White River Hatchery.

Project Ref	Grantee	Project Name	State
100006	NWIFC Makah Tribe	Native Stock Supplementation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	31-JAN-04-31-DEC-05	Salmon Enhancement	$11,742	$0	Puget Sound

Project Description

Part of the overall strategy for recovery of Western Straits of Juan de Fuca (WSJF) Chinook is integrated reintroduction of chinook into underutilized habitat. Imprinting ponds are currently a preferred component of salmonid reintroductions. These ponds are used to acclimate juvenile chinook to habitats targeted for reintroduction and to allow for volitional release. They also provide significant residence and imprinting time prior to and during the smoltification process, during which significant imprinting can occur (Dittman, et. Al, 1995). We propose to construct acclimation/imprinting ponds in selected watersheds to increase the potential for success in reintroduction effort. Deeper imprinting will strengthen the desire of the transplanted fingerlings to return to the underutilized habitat and decrease the tendency to stray into other watersheds.

Monitoring and evaluation of the acclimation/imprinting ponds will be done by surveying the associated watersheds during spawning season of the anticipated return years for the release groups. If the first transplant of smolt occurs in 2005, the initial anticipated return of three year old chinook would be in the fall of 2007.

Project Ref	Grantee	Project Name	State
100007	NWIFC Makah Tribe	Hatchery Operations & Monitoring Improvements	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	31-JAN-04-30-DEC-05	Salmon Enhancement	$22,240	$0	Washington

Project Description

We propose to purchase and install new incubator trays and stacks at current RSI locations. This will provide an improved rearing environment for Sockeye eggs and sac fry by maintaining a suitable incubation environment and preventing premature release/escape of alevins and swim-up fry. Success will be evaluated by monitoring mortality during incubation to ensure viability of environment, and inventory at first feeding to evaluate premature escape rates.

Funding will also be used to purchase and apply CWT's (coded wire tags) and ad-marks to groups of Hoko Fall Chinook fingerlings, which will allow specific identification of hatchery origin and rearing/release lot both upon return to the spawning grounds and within the marine fisheries. Short term success will be evaluated by checking tag retention rates prior to release. Long term success will be evaluated by surveying for returned adults, beginning in 2006, and monitoring the CWT recovery data for marine fisheries during the 6 years following release of the tagged smolts. Data generated from CWT recovery information will be used to both evaluate hatchery and natural spawner contribution to the total escapement by age class. It will also be used to evaluate marine survival and impacts within the marine fisheries of both the U.S. and Canada.

Project Ref	Grantee	Project Name	State
100070	NWIFC Makah Tribe	Juvenile Chinook Imprinting Pond Construction	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Enhancement	$13,500	$0	Puget Sound

Project Description

The Makah tribe proposes to construct two imprinting ponds that will be used to acclimate juvenile chinook to habitats targeted for reintroduction, and to allow volitional release. One pond will be constructed in the upper Hoko River and one in the mainstem Sekiu River.

Project Ref	Grantee	Project Name	State
100071	NWIFC Makah Tribe	Relocation of Umbrella Creek Hatchery	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Enhancement	$20,188	$0	Washington Coastal

Project Description

The project consists of moving the Makah Tribe's Umbrella Creek adult sockeye ripening and juvenile rearing facility to a new location on Umbrella Creek. The need to find a new water source location for hatchery operations resulted from disease being transferred to adult broodstock hatchery fish from several hundred naturally spawning adult sockeye above the facility's water intake.

Project Ref	Grantee	Project Name	State
LEK-04-4	NWIFC Lower Elwha Klallam Tribe	Elwha River Brood Stock Protection and Development	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-OCT-05-31-JUL-06	Salmon Enhancement	$50,000	$0	Washington Coastal

Project Description

Project involves the collection, maintenance and/or enhancement of Elwha river chum salmon and wild winter steelhead. Both stocks are at extremely low population levels and require human assistance in order to accomplish rebuilding goals. For chum we will collect adults to utilize as brood stock, spawn them to maximize family lineages, rear the eggs until eyed stage and outplant into natural habitats on the Elwha River to complete their incubation. Steelhead brood collection will utilize redd pumping to collect 10,000-50,000 eggs/fry. These will be brought into the Elwha tribal hatchery and grown to smolt stage for release

Project Ref	Grantee	Project Name	State
104003	NWIFC Lower Elwha Klallam Tribe	Elwha River Brood Stock Development	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	15-APR-04-15-JUL-07	Salmon Enhancement	$71,011	$0	Puget Sound

Project Description

We propose to preserve and develop two weak stocks of Elwha salmon-Winter Steelhead and Fall Chum that are currently severely depressed. Brood will be collected from the Elwha River and their eggs fertilized and raised in the Tribal hatchery. Chum salmon will be outplanted as eyed eggs in incubator boxes in spring fed side-channels on the Elwha River. Steelhead will be raised to smolts and released into the Elwha River. The late winter steelhead component is down to less than 200 individuals and it is feared that they will be impacted by sediment releases associated with the removal of the Elwha Dams scheduled in 2007. This stock is the primary identified steelhead source for colonization above the dams.

Project Ref	Grantee	Project Name	State
100016	NWIFC Lower Elwha Klallam Tribe	Fisheries Harvest, Habitat, and Hatchery Management	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-03	Salmon Enhancement	$145,629	$0	Puget Sound

Project Description

Participation of staff in technical forums; identification and development of specific habitat restoration measures; evaluation of improved salmon enhancement measures; research regarding habitat quality and relative productivity of the habitat.

Project Ref	Grantee	Project Name	State
100054	NWIFC Lower Elwha Klallam Tribe	Fisheries Harvest, Habitat, and Hatchery Management	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Enhancement	$76,697	$0	Puget Sound

Project Description

Participation of staff in technical forums; identification and development of specific habitat restoration measures; evaluation of improved salmon enhancement measures; research regarding habitat quality and relative productivity of the habitat.

Project Ref	Grantee	Project Name	State
TEPA-04-CDR	KRITFWC Hoopa Valley Tribe	Installation of Continuous Water Quality Monitoring Station (Trinity River).	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUL-05-30-SEP-05	Salmon Enhancement	$28,140	$0	Klamath

Project Description

Project will establish baseline water quality and hydrologic conditions in the lower section of the Trinity River. In addition, project designed to monitor water quality from Trinity River flow entering the reservation that will need to meet Tribal water quality standards.

Project Ref	Grantee	Project Name	State
2004-4-08	CRITFC Yakama Tribes	Klickitat Hatchery Fish Pump	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-DEC-04	Salmon Enhancement	$24,610	$0	Middle Columbia

Project Description

This funding request is for the purchase of a fish pump used to transfer juvenile salmonids between pond and into transportation trucks. Upon transfer of the Klickitat Hatchery to the Yakama Nation (YN) on October 1, 2004, all real property purchased under the Mitchell act will be transferred to the YN. The only peice of necessary equipment that the purchsed using Washinton Department of fish & Wildlife (WDFW) funds was the existing fish pump. Upon transfer, this peice of equipment is to be reassigned to Olympia, WA. PCSRF will be used to purchase a Matususaka Z 100L Pin Pin Fish Pump. This model is widely used throughout the WDFW hatchery system and has proven to be a superior product that provides reliable service while protecting fish health.

Project Ref	Grantee	Project Name	State
2003-4-03	CRITFC Yakama Tribes	LaSalle Coho Hatchery and Education Facility	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-31-DEC-05	Salmon Enhancement	$43,838	$0	Yakima

Project Description

LaSalle High School has agreed to allow construction of a satellite coho hatchery and rearing facility dedicated to enhancement and education. Construction will entail building a 25x25 foot rearing shed that will contain egg incubators, 1 small raceway, and 2 large circular rearing tanks. A well would be dug adjacent to building to supply needed ground water into the facility. In addition, we would place a 40x 6-foot raceway outside, with a bird and sun proof cover. The target number of parr to be released is 10 to 30 thousand per year. Coho will be placed into the shed as eyed eggs, and reared until parr stage; they will then be placed into the raceway and held until September. Scatter planting of the coho parr will coincide with the beginning of LaSalle¿s school year. The students will help plant the parr into various beaver dam complexes throughout the main stem of Ahtanum Creek.

Project Ref	Grantee	Project Name	State
2002-4-10	CRITFC Yakama Tribes	Klickitat Hatchery Fish Culturist	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-03-31-DEC-04	Salmon Enhancement	$40,000	$0	Middle Columbia

Project Description

The purpose of this project is to fund a key Fish Culturist IV (FC IV) position at the Klickitat Hatchery. Since in October 1, 2003 this position has been funded with PCSRF funds. With the remaining PCSRF funds this position will be covered for the first few months of FY 2005. On January 1, 2005 the Klickitat Hatchery will be transitioned to the YN for incorporation in to the YKFP. At that time this FC IV position will be assimilated into Mitchell Act hatchery budget, which the YN will administer. Without the PCSRF funding this much needed position could not have been funded and cut.

Project Ref	Grantee	Project Name	State
2000-4-02	CRITFC Yakama Tribes	Castile Falls Passage Improvement Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-DEC-00-15-JUN-02	Salmon Enhancement	$54,477	$0	Middle Columbia

Project Description

Facilitate increased fish passage over Castile Falls making 45 miles of spawning and rearing habitat for spring chinook and approximately 60 miles for steelhead (federally threatened stock). Project funds will be used to augment existing funds to reconstruct two tunnel fishways, a single above ground fishway, installation of a new Alaskan steep-pass fishway, construct a walkway to adhere to new safety requirements, and facilitate proper maintenance and road improvements for year round access to the facility.

Project Ref	Grantee	Project Name	State
2000-4-03	CRITFC Yakama Tribes	Swale Creek Acclimation Site Development	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-DEC-00-31-DEC-03	Salmon Enhancement	$240,000	$0	Middle Columbia

Project Description

Purchase 5.45 acres with an in-kind contribution of an additional 3.5 adjoining acres by WDFW for the purpose of developing a coho acclimation site. Ancillary benefits include protection of aquatic habitats and adjacent uplands. It will also aid in the development of the YKFP/Klickitat Watershed Center to station acclimation site workers, and provide office space.

Project Ref	Grantee	Project Name	State
2000-4-04	CRITFC Yakama Tribes	Klickitat Rearing Troughs	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-28-FEB-02	Salmon Enhancement	$9,859	$0	Middle Columbia

Project Description

Purchase and install three rearing troughs at the Klickitat Hatchery allowing for rearing of 300,000 steelhead fry and resulting in reduced flow demand and densities for outside rearing of fall chinook.

Project Ref	Grantee	Project Name	State
2000-4-05	CRITFC Yakama Tribes	Washougal Coho Production (Mitchell Act Facility)	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-DEC-00-01-JUN-01	Salmon Enhancement	$50,000	$0	Lower Columbia

Project Description

Project complements an on-going coho reintroduction program that utilizes the Washougal Hatchery, a Mitchell Act facility managed by WDFW.

Project Ref	Grantee	Project Name	State
2001-3-04	CRITFC Warm Springs Tribes	Development and Implementation of Warm Springs Salmon Production Pr	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-DEC-01-31-DEC-04	Salmon Enhancement	$168,510	$0	Deschutes

Project Description

An assessment of current and potential fish production levels is needed to achieve the CTWSRO goal of self-sustaining harvestable wild anadromous fish populations and minimizing negative interactions between wild and hatchery fish. A variety of activities, including population inventory, summarization of decades of archived data, enhancement of natural production through supplementation outplanting of live adult fish and carcasses, and evaluation of terminal fishery sites shall be accomplished with funding provided through this Project. This project is an ongoing program, to be continued with funding from FY 2002-2003.

Project Ref	Grantee	Project Name	State
2000-3-01	CRITFC Warm Springs Tribes	Fish Production Assessment on the Warm Springs Reservation I	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-DEC-00-31-DEC-02	Salmon Enhancement	$225,782	$0	Deschutes

Project Description

Monitor production of anadromous salmonids from reservation streams, conduct Shitike Creek spring Chinook outplant and evaluation, and develop and implement a terminal fisheries project.

Project Ref	Grantee	Project Name	State
2000-3-02	CRITFC Warm Springs Tribes	On-Reservation Habitat Restoration (Shade covers for Raceways at the W	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-02-30-APR-02	Salmon Enhancement	$61,086	$0	Deschutes

Project Description

Goal is to reduce impacts of direct sunlight exposure to juvenile salmon at WSNFH by providing overhead shade covers. It will reduce raceway water temperatures, eliminate exposure to ultraviolet radiation, and create more natural rearing conditions.

Project Ref	Grantee	Project Name	State
2004-2-06	CRITFC Umatilla Tribes	Ringold Springs Hatchery Spring Chiook Production for Reintroduction into	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-DEC-04	Salmon Enhancement	$30,223	$0	Lower Columbia

Project Description

The confederated Tribes of the Umatilla Indian Reservation (CTUIR) proposes to fund Washington Department of Fish and Wildlife (WDFW) to rear and release 500,000 Carson stock spring chinook smolts at Ringold Springs Hatchery. The primary goal of this program is to provide a source of spring chinook adults for reestablishment efforts in the Walla Walla Basin. Returning adults from these releases would be transferred to the Walla Walla Basin and outplanted for natural spawning augmentation. This program would provide a source of spring chinook for natural production in the Walla Walla Basin during the interim period prior to establishment of an in-basin artificial production program.

Project Ref	Grantee	Project Name	State
2003-2-01	CRITFC Umatilla Tribes	Ringold Springs Hatchery Spring Chinook Production for Reintroduction int	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-NOV-03-31-DEC-05	Salmon Enhancement	$179,115	$0	Upper Columbia

Project Description

The Confederated Tribes of the Umatilla Indian Reservation proposes to fund Washington Department of Fish and Wildlife to rear and release 500,000 Carson stock spring chinook smolts at Ringold Springs Hatchery. The primary goal of this program is to provide a source of spring chinook adults for reestablishment efforts in the Walla Walla Basin. Returning adults from these releases would be transferred to the Walla Walla Basin and outplanted for natural spawning augmentation. This program would provide a source of spring chinook for natural production in the Walla Walla Basin during the interim period prior to establishment of an in-basin artificial production program.

Project Ref	Grantee	Project Name	State
2002-2-05	CRITFC Umatilla Tribes	Ringold Springs Hatchery Spring Chinook Production for Reintroduction int	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	17-DEC-02-31-DEC-04	Salmon Enhancement	$147,777	$0	Middle Columbia

Project Description

Rear 500,000 BY03 spring chinook from fry to full term yearling smolt at Ringold Springs Hatchery. Smolts will be released on station in 2005. Returning adults will be captured at Ringold Springs and outplanted to the Walla Walla River for natural production spawning enhancement.

Project Ref	Grantee	Project Name	State
2000-2-05	CRITFC Umatilla Tribes	Fish Transportation Vehicle	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	27-OCT-00-01-SEP-03	Salmon Enhancement	$216,846	$0	Middle Columbia

Project Description

Fish transportation units are at a premium in the Columbia Basin. In many cases, adults and/or juveniles are hauled based on transportation availability rather than biological requirements. Many new programs being implemented such as adult outplanting and remote site broodstock trapping have transportation requirements. Additional trucks are needed so that fish movements are not constrained by transportation logistics. A 3,500 gallon tractor-trailer transport unit is needed to assist in a wide variety of tribal fish restoration activities.

Project Ref	Grantee	Project Name	State
2004-1-01	CRITFC Nez Perce Tribe	Nez Perce Tribe Clearwater River Coho Salmon Reintroduction Project II	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUL-04-31-DEC-05	Salmon Enhancement	$371,500	$0	Clearwater

Project Description

The goal of the project is to fund hatchery production costs for a program to restore Coho Salmon in the Clearwater River and Snake River Basin. Restoration of the stocks up river of the Bonneville Dam has been a priority of the four Columbia River Tribes. The Nez Perce Tribe began their restoration efforts in 1996 and propose to reintroduce and restore Coho Salmon to levels of abundance and productivity sufficient to support sustainable runs and annual tribal and non-tribal harvest.

Project Ref	Grantee	Project Name	State
2003-1-01	CRITFC Nez Perce Tribe	Nez Perce Tribe Clearwater River Coho Salmon Reintroduction Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-SEP-03-31-DEC-05	Salmon Enhancement	$407,299	$0	Clearwater

Project Description

This project utilizes supplementation technology to trap, spawn, rear and release smolts from brood stock collected within the Clearwater River Subbasin. The focus of the monitoring and evaluation aspects of the project is to monitor and evaluate the results of coho salmon production so that operations can be adaptively managed to optimize hatchery and natural production, and minimize deleterious ecological impacts.

Broodstock from Lower Columia River hatcheries and returning Clearwater River broodstock, have been used to stock eyed eggs, fry, parr, and smolts into tributaries of the lower main stem Clearwater, Middle Fork Clearwater and South Fork Clearwater Rivers. Primary reintroduction efforts have been focused in Lapwai Creek, Potlatch River, Clear Creek, Eldorado/Lolo Creek, Meadow Creek (SF Clearwater River) and Meadow Creek (Selway River).

Project Ref	Grantee	Project Name	State
2002-1-03	CRITFC Nez Perce Tribe	Coho Salmon Production in the Clearwater River II	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	03-DEC-02-31-DEC-04	Salmon Enhancement	$283,456	$0	Clearwater

Project Description

Fund hatchery production costs for a program to restore coho salmon in the Snake River Basin to levels of abundance and productivity sufficient to support sustainable runs and annual tribal and non-tribal harvest.

Project Ref	Grantee	Project Name	State
2001-1-03	CRITFC Nez Perce Tribe	Coho Salmon Production in the Clearwater River I	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-DEC-01-31-DEC-04	Salmon Enhancement	$140,000	$0	Clearwater

Project Description

Fund hatchery production costs for a program to restore coho salmon in the Snake River Basin.

Project Ref	Grantee	Project Name	State
2000-1-03	CRITFC Nez Perce Tribe	Coho Salmon Monitoring and Evaluation in the Clearwater River I	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	26-OCT-00-30-NOV-02	Salmon Enhancement	$200,000	$0	Clearwater

Project Description

Monitoring and evaluation of coho salmon releases will provide information necessary to determine the best implementation strategies that result in returning broodstock development, fisheries and natural production. The M&E approach is primarily designed to collect basic information on smolt to adult survival rates (SAR's) and adult returns to tributary streams. SAR's would be determined from several different rearing and release strategies. Adult returns from coded wire tag acclimated smolt release, direct stream smolt release and parr release strategies would be documented.

Project Ref	Grantee	Project Name	State
CCT04-2	Colville None	Locally Adapted SUmmer Steelhead Broodstock Supplementation Progra	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-SEP-04-31-AUG-07	Salmon Enhancement	$155,671	$0	Upper Columbia

Project Description

This project is a continuation of projects implemented with previous year's PCSRF funding - projects CCT01-5 and CCT03-2. In order to adequately evaluate the success of the locally adapted Omak Creek summer steelhead broodstock program the program needs to be consistently implemented for a minimum of three generations (12 years). As part of an integrated recovery program targeted at the listed Upper Columbia ESU summer steelhead, each year approsximately 100,000 Wells stock steelhead yearlings are out-planted to the SImilkameen River, the Okanogan River, and Omak and Salmon creeks. The Upper Columbia River summer steelhead ESA has been greatly homogenized through this widespread planting of Wells stock hatchery fish in concurrence with the overall poor survival of natural-origin fish in the Okanogan subbasin. The Colville Tribes believe recovery of the steelhead ESU to sustainable levels requires the development of locally adapted broodstocks that will exhibit a unique genetic and life-history specific to the Okanogan's tributaries.

Under this project Omak Creek summer steelhead broodstock will be collected at a permanent trap on Omak Creek (see CCT03-2); adult holding, spawning and incubation will take place at the Cassimer Bar Hatchery; and final rearing will take place at the Colville Tribal Hatchery. Production targets for this pilot project are 30 percent of the spawning escapement, not to exceed more than 16 adults (dependent of run size), with a target of 20,000 differentially marked smolts released back into Omak Creek. Specific broodstock collection protocals spawning protocols, incubation, and rearing and release strategies are defined in the Okanogan River summer steelhead HGMP.

Project Ref	Grantee	Project Name	State
CCT04-5	Colville None	Bridge Funding to Operate and Maintain Acclimation Ponds	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-SEP-04-31-AUG-07	Salmon Enhancement	$105,006	$0	Upper Columbia

Project Description

This project will provide bridge funding to continue operations and maintenance associated with three acclimation ponds in the Okanogan subbasin. These acclimation ponds are used to improve distribution and abundance of naturally spawning populations of Chinook salmon in the Okanogan subbasin.

The first acclimation facility, St. Mary's Pond was constructed with PCSRF funds (CCT01-4) and is used to acclimate spring Chinook. The other two acclimation facilities, Bonaparte and Ellisforde ponds, are irrigation district settling ponds owned by the Oroville/Tonasket Irrigation District (OTID). The OTID uses the ponds for six months out of the year to settle solids out of their irrigation water. In the past the settling ponds sat idle the remaining six months of the year. In an innovative partnership with the OTID - the Colville Tribes lease the irrigation ponds from the OTID for the remaining six months of the year to rear and acclimate fish. This arrangement has been profoundly valuable in gaining public awareness and support for salmon recovery efforts in the Okanogan subbasin. The use of the irrigation ponds to acclimate summer/fall Chinook has also provided good acclimation facilities at a fraction of the cost of building new facilities.

All three acclimation facilities are used to rear fish at very low densisties, using local stream water. Fish are reared for six months prior to release. Use of the ponds is vital to increasing the abundance, distribution, and diversity of naturally spwning populations of Chinook salmon in the Okanogan subbasin. The Colville Tribes do not currently have an alternative source of funding to operate and maintain these acclimation facilities through the fiscal year 2004-2005. The Tribes are working to develop an alternate source of funding for the future but require this bridge funding until an alternative source is identified.

Project Ref	Grantee	Project Name	State
CCT03-2	Colville	Develop an Omak Creek Locally Adapted Summer Steelhead Hatchery Su	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-SEP-03-31-AUG-06	Salmon Enhancement	$175,013	$0	Upper Columbia

Project Description

This project is Phase II of a project launched with PCSRF FY01 funding (CCT01-5) Through this project the Colville Tribes will develop a locally adapted Upper Columbia ESU summer steelhead broodstock in Omak Creek. Under the proposal, a permanent adult steelhead tributary collection facility will be developed on Omak Creek; adult holding, spawning and incubation will take place at the Cassimer Bar Hatchery Facility; and final rearing will occur at the Colville Tribal Trout Hatchery. Production targets for this pilot project are 30 percent of the spawning escapement, not to exceed more than 16 adults (dependent on run size); with a target of 20,000 differentially marked smolts released back into Omak Creek. Specific broodstock collection protocols, spawning protocols, incubation, rearing and release strategies will be defined in the completed Okanogan River summer steelhead HGMP.

Project Ref	Grantee	Project Name	State
CCT02-3	Colville	Okanogan Summer Chinook Acclimation Pond (Bonaparte Pond)	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-SEP-02-31-AUG-05	Salmon Enhancement	$134,707	$0	Upper Columbia

Project Description

All necessary permitting was completed. A Phase I Okanogan River summer Chinook HGMP was also completed. The summer Chinook HGMP includes an outline of the Bonaparte Pond production plan. A long-term agreement with OTID to use Bonaparte Pond was developed. Retrofits to the pond were completed, the facility was prepared for fish rearing, and approximately 100,000 fish were introduced into pond in November of 2002. The fish were released in April of 2003 (see note). The retrofitted acclimation pond performed to expectations during the 2002-2003 season. Based on Pond performance during this first season of operations, at the request of WDFW, additional minor retrofits were completed between 2002 and 2003. These retrofits included installation of baffles in the discharge pipes to create more laminar flow across the pond, as well as installation of less abrasive screening at the outlet structures.

Project Ref	Grantee	Project Name	State
CCT01-2	Colville	Steelhead Kelt Reconditioning Feasibility Study	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	04-DEC-01-31-AUG-04	Salmon Enhancement	$24,941	$0	Upper Columbia

Project Description

A contract was developed with a subcontractor in December of 2001 to complete the feasibility study. The study was completed in April of 2002. Results indicated that while the proposed kelt reconditioning program may not truly mimic natural pre-dam life history for Okanogan steelhead, it could serve as a valuable experimental interim recovery strategy for endangered Upper Columbia ESU summer steelhead. The report included specific recommendations for kelt trapping/release; reconditioning facility development; staff training; hold, feed and reconditioning at the Cassimer Bar Facility; monitoring and evaluation; adaptive management; and termination criteria. As an additional component of this project, kelt reconditioning was also addressed in a draft Okanogan Basin summer steelhead HGMP.

Project Ref	Grantee	Project Name	State
CCT01-4	Colville	Omak Creek Acclimation Site	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	04-DEC-01-31-AUG-04	Salmon Enhancement	$71,950	$0	Upper Columbia

Project Description

An engineering firm was selected and contracted to design and construct the acclimation facility. Necessary permitting requirements were fulfilled. Although design and construction of the facility was delayed somewhat by the fact that PCSRF funds were not available to the Colville Tribes until December of 2001, construction was still completed in time to stock fish for the 2002 season. Construction of the facility was completed in September of 2002. Approximately 50,000 Carson ancestry spring Chinook were stocked in the pond in October of 2002. After over wintering in the acclimation pond, approximately 40,000 Carson ancestry spring Chinook smolt were released into Omak Creek in April of 2003.

Project Ref	Grantee	Project Name	State
CCT01-5	Colville	Develop Local Okanogan River Basin Steelhead Broodstock - Phase I	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-JUN-02-31-AUG-04	Salmon Enhancement	$170,225	$0	Upper Columbia

Project Description

Funding for this project became available in June of 2002. An initial draft Okanogan River steelhead HGMP was completed late 2002. Between 2002 and late 2003, that HGMP underwent multiple reviews and revisions. A final HGMP is expected to be completed in late 2003. Planning associated with development of broodstock collection facilities in Omak Creek was completed in 2003. Delay's in initial funding, delay's in development of the HGMP, and ultimately the reprioritization of the Cassimer facilities to raise additional sockeye smolt - caused the Colville Tribes' to change the proposed location of raceways for the steelhead broodstock program. After reviewing options and cost considerations, the Colville Tribes elected to construct the necessary raceways at Colville Tribe's Bridgeport Hatchery. The Bridgeport raceway construction was completed in 2003. No fish were collected in the first Phase of the project because final permits were not in place. The second phase of the project was funded with PCSRF FY03 funds (project identification number CCT03-2).

Project Ref	Grantee	Project Name	State
705129	CDFG	Upper Eel River Steelhead Emergency Hatchery Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-30-APR-06	Salmon Enhancement	$49,863	$0	Northern California Coastal

Project Description

Trap and spawn sufficient steelhead salmon to produce 100,000 yearlings for release into the upper mainstem Eel River.

Project Ref	Grantee	Project Name	State
706350	CDFG	Integrating Mobile Net Pens into CDFG Salmon Planting Program	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-FEB-04-30-SEP-04	Salmon Enhancement	$0	$50,689	California

Project Description

Receive salmon yearlings into floating mobile net pens protecting them from predators, float the pens in San Pablo Bay holding the fish in the pens for up to two hours until they become acclimated and oriented to their new surroundings, then drop the nets and release the fish.

Project Ref	Grantee	Project Name	State
704700	CDFG	Rowdy Creek Fish Hatchery Enhancement Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-30-NOV-04	Salmon Enhancement	$0	$20,000	Northern California Coastal

Project Description

Spawn and rear 450,000 salmon.

Project Ref	Grantee	Project Name	State
704705	CDFG	Chinook Salmon Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-04-31-AUG-04	Salmon Enhancement	$0	$8,411	Central California Coastal

Project Description

This program is designed to increase the numbers of adult Chinook salmon to enhance the sport and commercial fishing opportunities in the greater Monterey Bay Region.

Project Ref	Grantee	Project Name	State
704706	CDFG	Chinook Salmon Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-14-JUL-03	Salmon Enhancement	$0	$8,228	Central California Coastal

Project Description

This program is designed to increase the numbers of adult Chinook salmon to enhance the sport and commercial fishing opportunities in the greater Monterey Bay Region.

Project Ref	Grantee	Project Name	State
704718	CDFG	Pen Rearing of Chinook Salmon	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-04-30-OCT-04	Salmon Enhancement	$0	$20,000	Central California Coastal

Project Description

Pen-rear and release 140,000+ yearling Chinook salmon to enhance fisheries.

Project Ref	Grantee	Project Name	State
704742	CDFG	Hollow Tree Creek Hatchery - Cooperative Fish Rearing	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Enhancement	$0	$20,000	Northern California Coastal

Project Description

Maintenance of a strong Hollow Tree Creek Chinook Salmon run as a vital component of the Eel River system. Expansion of facility and set up facility, including the hiring, training and supervision of staff to help manage the facility year round. Accommodate additional 100,000 eggs in addition to the natural run from Hollow Tree Creek.

Project Ref	Grantee	Project Name	State
704775	CDFG	Eel River Cooperative Salmon Culture Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-30-JUN-04	Salmon Enhancement	$38,885	$0	Northern California Coastal

Project Description

Trap and spawn 40 male and 20 female chinook salmon and produce up to 100,000 eggs. Continue artificial propagation maintenance program. Provide eyed eggs for "salmon in the classroom" educational program.

Project Ref	Grantee	Project Name	State
705028	CDFG	Mattole Salmon Stock Rescue Program, 2003 - 2004 Season	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-15-DEC-04	Salmon Enhancement	$47,246	$0	Northern California Coastal

Project Description

Continue program to trap and spawn sufficient salmon to produce up to 34,000 chinook salmon to be released as smolts, rescue and rear up to 6,000 down-migrating wild chinook for fall release in Mattole River

Project Ref	Grantee	Project Name	State
705049	CDFG	Humboldt Bay Salmon Enhancement and Monitoring Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-30-JUN-04	Salmon Enhancement	$59,470	$0	Northern California Coastal

Project Description

Take up to 60,000 Chinook Salmon eggs and release the smolts back into Freshwater Creek and it¿s tributaries

Project Ref	Grantee	Project Name	State
706349	CDFG	Acclimate Central Valley Hatchery Raised Chinook Salmon in San Francis	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-27-AUG-03	Salmon Enhancement	$0	$37,000	San Francisco Bay

Project Description

Release approximately 12 million juvenile salmon into floating tanks during a 6 week period. The fish will be held in tanks for approximately 2 hours, protecting them from predation. During the 2 hour period, the fish will be acclimated from freshwater to ambient salinity at release location. Once the fish have become acclimated to the local water conditions, they will be released into the eastern San Francisco Bay estuary.

Project Ref	Grantee	Project Name	State
703595	CDFG	Rowdy Creek Fish Hatchery Salmon Enhancement Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-03-DEC-03	Salmon Enhancement	$0	$20,000	Northern California Coastal

Project Description

Spawn and rear 500,000 salmon.

Project Ref	Grantee	Project Name	State
703609	CDFG	Pen Rearing of Chinook Salmon	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-02-OCT-03	Salmon Enhancement	$0	$22,500	Central California Coastal

Project Description

Pen-rear and release 140,000+ yearling Chinook salmon to enhance fisheries.

Project Ref	Grantee	Project Name	State
703807	CDFG	Mattole Salmon Stock Rescue Program 2002-2003	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-01-DEC-03	Salmon Enhancement	$0	$20,000	Northern California Coastal

Project Description

Continue the program of salmon rescue operations in the Mattole River. Trap and spawn sufficient salmon to produce up to 34,000 Chinook salmon to be released as smolts in the mainstem Mattole River headwaters and an as yet undetermined number of Coho salmon. Rescue rear up to 6000 down-migrating wild Chinook for fall release in the Mattole River at the Mill Creek confluence.

Project Ref	Grantee	Project Name	State
704506	CDFG	Albion River and Marsh Creek Instream Fish Barrier Removals	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Enhancement	$0	$180,428	Northern California Coastal

Project Description

Restoration of salmonid access to a total of 16,800 feet of habitat by replacing two undersized culverts with appropriately sized culverts.

Project Ref	Grantee	Project Name	State
704520	CDFG	Bull Creek at Big Trees Instream Habitat Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Enhancement	$28,548	$0	Northern California Coastal

Project Description

Restore instream salmonid habitat by installing log and boulder structures and reestablishing riparian vegetation along a section of channel that was heavily engineered in the 1960s to protect old-growth redwoods in the Rockefeller Forest. Project seeks to incorporate bio-engineered bank protection structures in Bull Creek at the Big Trees day-use area. Project has added benefit of high exposure to park visitors. Site will be used as an interpretive area explaining the design and purpose of instream rehabilitation and the cooperative effort between the California Department of Fish and Game and California State Parks.

Project Ref	Grantee	Project Name	State
705425	CDFG	Hollow Tree Creek Hatchery	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-JUL-03	Salmon Enhancement	$0	$25,000	Northern California Coastal

Project Description

Expansion of the facility and staff to operate year round.

Project Ref	Grantee	Project Name	State
706352	CDFG	Humboldt Bay Salmon Enhancement and Monitoring Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Salmon Enhancement	$0	$20,000	California

Project Description

To enhance and augment the chinook salmon population in Freshwater Creek. HFAC will take up to 60,000 chinook salmon eggs, and release the smolts back into Freshwater Creek and its tributaries.

Project Ref	Grantee	Project Name	State
706386	CDFG	Hollow Tree Creek Hatchery	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-18-JUN-03	Salmon Enhancement	$0	$25,000	California

Project Description

Maintenace of a strong Hollow Tree Creek Chinook Salmon run as a vital component of the Eel River system. Expansion of facility and set up facility, including the hiring, training and supervision of staff to help manage the facility year round. Accommodate an additional 100,000 eggs (from Van Arsdale) in addition to the natural run from Hollow Tree Creek.

Project Ref	Grantee	Project Name	State
704284	CDFG	Eel River Cooperative Salmon Culture Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-30-JUN-02	Salmon Enhancement	$17,999	$0	Northern California Coastal

Project Description

Trap and spawn 40 make and 20 female Chinook salmon to produce up to 100,000 eggs and 6 male and 3 female Coho salmon to produce up to 7,000 eggs to continue artificial propagation maintenance program to provide eyed eggs for the "Salmon in the Classroom" educational program.

Project Ref	Grantee	Project Name	State
704298	CDFG	Integrating Mobile Net Pens Into CDFG Salmon Planting Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-09-AUG-02	Salmon Enhancement	$0	$36,218	San Francisco Bay

Project Description

Receive salmon yearlings into floating mobile net pens protecting them from predators; float pens in San Pablo Bay, holding the fish in pens for up to two hours until they are acclimated and oriented to their new surroundings; drop nets and release fish.

Project Ref	Grantee	Project Name	State
704299	CDFG	Rowdy Creek Fish Hatchery, Salmon and Steelhead Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Enhancement	$0	$30,000	Northern California Coastal

Project Description

Spawn and rear 500,000 salmon and 150,000 steelhead for release into the Smith River drainage.

Project Ref	Grantee	Project Name	State
704315	CDFG	Redtree's Pescadero Creek Bank Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-26-MAR-03	Salmon Enhancement	$0	$47,133	San Francisco Bay

Project Description

To reduce the amount of sediment and re-establish vegetation. This will be accomplished by reducing bank steepness, eliminating a long inside ditch and re-establishing drainage patterns of several streams, relocation of a haul road away from bank top, and revegetation of slopes.

Project Ref	Grantee	Project Name	State
704339	CDFG	Upper Eel River Chinook Emergency Hatchery Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Enhancement	$0	$42,843	Northern California Coastal

Project Description

Trap and spawn sufficient Chinook salmon to produce 50,000 yearlings and 50,000 pre-smolts for release into the upper main stem Eel River.

Project Ref	Grantee	Project Name	State
704341	CDFG	Pilot Creek Sediment Source Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-15-MAR-03	Salmon Enhancement	$0	$4,505	Northern California Coastal

Project Description

Identify and quantitively assess sediment sources (primarily landslides and debris torrents) in the Pilot Creek watershed. Data would be used to evaluate sediment production trends and identify sites for mitigation such as tree planting or toe treatments.

Project Ref	Grantee	Project Name	State
704355	CDFG	Barker Creek Diversion Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-14-FEB-03	Salmon Enhancement	$0	$30,000	Klamath

Project Description

To eliminate a diversion dam which is a significant fish barrier on Barker Creek by installing a pump for landowner's irrigation needs.

Project Ref	Grantee	Project Name	State
AK45501	ADFG	Fairbanks Hatchery Study and Design	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Enhancement	$3,332,560	$0	Tanana River

Project Description

Complete a functional design for a hatchery to be constructed within the City of Fairbanks. The design of existing facilities combined with limitations from water, heat, age and a deteriorating infrastructure have recently made it impossible to satisfy current and projected production needs.

Project Ref	Grantee	Project Name	State
AK45502	ADFG	Adak Boat Harbor	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Enhancement	$1,484,216	$0	Aleutian Islands

Project Description

Construct Phase I of a new small boat harbor in Adak to provide dock and moorage for boats that will participate in developing fisheries. Provide for the dredging and placement of open cell pile dock with fendering system and adjacent dredging.

Project Ref	Grantee	Project Name	State
AK45503	ADFG	Southeast Revitalization Association Planning for Purse Seine Stabilizatio	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Enhancement	$148,422	$0	Southern Southeast Alaska

Project Description

Refine and revise the draft Southeast Revitalization Association (SRA) seine permit reduction plan in advance of seeking substantial grant and loan funds with which to accomplish the buyback. Legal review and outreach with the affected permit holders.

Project Ref	Grantee	Project Name	State
AK45506	ADFG	Anchorage Creeks - Ship Creek Fishing Access	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Enhancement	$185,000	$0	Knik Arm

Project Description

Removing falling culverts at Ship Creek will eliminate an access point to the creek bed at lower tide stages. Replacement of this access will be needed to maintain angler participation. Plan the location of angler access improvements so they mesh with long term goals for this area.

Project Ref	Grantee	Project Name	State
AKPND5B	ADFG	Cook Inlet Fishing Community Assistance Program	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Enhancement	$984,530	$0	Knik Arm

Project Description

Congressional earmark

Project Ref	Grantee	Project Name	State
AKPND5E	ADFG	Restore Salmon Runs in Resurrection Bay at Alaska Sea Life Center	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Enhancement	$1,476,795	$0	Kenai Peninsula

Project Description

Congressional earmark

Project Ref	Grantee	Project Name	State
AK45417	ADFG	Anchorage Hatchery Upgrades	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-01-JUN-04	Salmon Enhancement	$990,000	$0	Knik Arm

Project Description

Mitigate for the immediate loss of heat at the Fort Richardson Sport Fish Hatchery through the design and installation of a supplemental heating system (boilers) capable of supplying the heat needed to achieve current production objectives. In addition, a qualified engineering firm will be engaged to conduct a full study of the Fort Richardson/Elmendorf Sport Fish Hatchery program as well as a possible new Fairbanks hatchery, and to develop facility design options focused on insuring the long-term viability of the sport fish hatchery program. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45419	ADFG	Sport Fish Hatchery Development	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Enhancement	$495,000	$0	Alaska

Project Description

This project will determine what effect, if any, resident levels of iron and manganese have on cultured fish. If it is determined that iron and manganese must be removed from the ground water, the data will be used by engineers to select a method that is efficient and affordable for operating a large production fish hatchery. In addition to the water quality study, a qualified engineering firm will be engaged to conduct a full study of the Sport Fish hatchery program, as well as a possible new Fairbanks hatchery, and develop facility design options focused on ensuring the long-term viability of the Sport Fish hatchery program.

Project Ref	Grantee	Project Name	State
AK45438	ADFG	New Technologies for Increasing Smolt Survival in Pacific Salmon	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Enhancement	$912,717	$0	Kenai Peninsula

Project Description

The Alaska Sea Life Center (ASLC) in collaboration with MariCal, Inc. of Portland, Maine, ADF&G, and Cook Inlet Aquaculture Association, propose to rear and release 275,000 coho smolt from the ASLC into Resurrection Bay. The specific objective is to evaulate the potential for new technology developed by MariCal, Inc. to increase ocean survival and adult returns of coho and chinlook salmon.

Project Ref	Grantee	Project Name	State
AK45440	ADFG	ADF&G Maintenance Facility	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Enhancement	$700,000	$0	Southeast Alaska

Project Description

Construct a maintenance facility in Juneau, Alaska to be used for the maintenance and repair of vessels and the design and maintenance of field equipment and supplies.

Project Ref	Grantee	Project Name	State
AK45459	ADFG	CIAA Salmon Enhancement Project	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Enhancement	$990,000	$0	Kenai Peninsula

Project Description

Increase salmon production (42,700,000 pink; 13,800,000 sockeye; 400,000 coho), raceway improvements at Trail Lakes Hatchery, preliminary assessment of cooperative enhancement efforts with Port Graham, adult salmon population monitoring activities, smolt evaluation at Big Lake, Cook Inlet Regional Salmon Enhancement Plan for 2005-2025.

Project Ref	Grantee	Project Name	State
AK45460	ADFG	Salmon Effort in Procurement Programs	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Enhancement	$192,000	$0	Alaska

Project Description

The Department of Community and Economic Development (DCED) will hire a development specialist to go directly to end users of federal procurement programs and educate them on the important benefits of Alaska salmon.

Project Ref	Grantee	Project Name	State
AK45466	ADFG	Ship Creek Fish Passage	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Enhancement	$1,740,000	$0	Knik Arm

Project Description

Enhance fish passage in Ship Creek by removing an existing embankment, restoring the channel to its natural morphology, and building a bridge to replace the road crossing. The current road crossing is supported by three collapsing arch culverts.

Project Ref	Grantee	Project Name	State
AK45467	ADFG	DCED Fisheries Revitalization Program Assistance	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Enhancement	$183,000	$0	Alaska

Project Description

Develop economic analysis on the State¿s impact on the salmon industry¿s business environment, the State¿s business environment vis-à-vis other cold climate seafood producers, and the Alaska salmon industry¿s competitive position in the world market. Increase involvement in certain grant activities under the Fisheries Revitalization Strategy to improve the likelihood of success for grant projects currently at risk, and work with certain grantees to highlight project outcomes for industry consideration.

Project Ref	Grantee	Project Name	State
AKPND4I	ADFG	DCED Competitiveness/Quality Projects	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Enhancement	$126,200	$0	Alaska

Project Description

Congressional earmark

Project Ref	Grantee	Project Name	State
AKPND4J	ADFG	Restore King Salmon Runs in Coffman Cove	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Enhancement	$247,500	$0	Southern Southeast Alaska

Project Description

Congressional earmark

Project Ref	Grantee	Project Name	State
AK45201	ADFG	Crystal Lake - Year 3	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-01-JUN-03	Salmon Enhancement	$198,481	$0	Central Southeast Alaska

Project Description

Provide salmon for the common property resource in Southeast Alaska

Project Ref	Grantee	Project Name	State
AK45202	ADFG	POWHA Coho - Years 2 and 3	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-01-JUN-04	Salmon Enhancement	$144,200	$0	Central Southeast Alaska

Project Description

Increase coho production to permitted levels

Project Ref	Grantee	Project Name	State
AK45209	ADFG	Craig AK King Salmon Project	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-02-01-AUG-03	Salmon Enhancement	$31,109	$0	Southern Southeast Alaska

Project Description

Explore the feasibility of establishing a chinook salmon run near Craig and support the work needed to obtain permits. Congressonally Mandated project,

Project Ref	Grantee	Project Name	State
AK45262	ADFG	DIPAC Chum Salmon Rearing Strategies	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-04-01-DEC-05	Salmon Enhancement	$199,820	$0	Northern Southeast Alaska

Project Description

Learn more about the early life history of DIPAC chum fry immediately after release and determine if a modified rearing strategy could improve the marine survival of these fish. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45264	ADFG	SSRAA Increased Summer Chum	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-01-JUN-04	Salmon Enhancement	$600,180	$0	Southern Southeast Alaska

Project Description

Provide additional hatchery chum production, worth approximately $1.3million in annual harvest value. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45267	ADFG	Fisheries Economic Development Matching Grant Program for 2003	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-JUN-06	Salmon Enhancement	$5,400,000	$0	Alaska

Project Description

Fund projects that will improve the infrastructure of the salmon fishery

Project Ref	Grantee	Project Name	State
AK45269	ADFG	Marine Stewardship Council (MSC) Recertification	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Enhancement	$190,000	$0	Alaska

Project Description

In accordance with Marine Stewardship Council requirements, ADF&G will contract with an accredited third party to conduct the five-year recertification inspections planned for 2006.

Project Ref	Grantee	Project Name	State
AK45281	ADFG	Fisheries Long Term Business Plan	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Enhancement	$200,000	$0	Alaska

Project Description

Coordinate Alaska's fisheries revitalization programs and generate a strategic plan that will help transform and restructure the industry for the 21st century.

Project Ref	Grantee	Project Name	State
AK45284	ADFG	Alaska Wild Salmon Marketing Program, Part 4	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Enhancement	$228,814	$0	Alaska

Project Description

Improve the marketing of Alaska salmon including promotional activities, familiarization tours, trade shows, related marketing travel, packaging and label design, product sampling, and personnel costs.

Project Ref	Grantee	Project Name	State
AK45286	ADFG	ASMI Alaska Salmon Campaign	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Enhancement	$2,000,000	$0	Alaska

Project Description

Create a marketing and consumer education campaign using various media: National TV networks, cable TV, national magazines, and newspapers. This will include initial research to plan the strategy for a series of campaigns throughout 2004 and 2005.

Project Ref	Grantee	Project Name	State
AK45287	ADFG	Craig Port Saint Nicholas Hatchery	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Enhancement	$168,891	$0	Southern Southeast Alaska

Project Description

Construct a small chinook enhancement facility adjacent to the City of Craig water treatment plant. The hatchery will produce initially 250,000 chinook smolts for release into the Port St. Nicholas River. This would result in an estimated 6,250 adult returns, at an expected $100 value per fish to the local economy.

Project Ref	Grantee	Project Name	State
AK45101	ADFG	Metlakatla Tamgass Hatchery	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-01-SEP-03	Salmon Enhancement	$1,000,000	$0	Southern Southeast Alaska

Project Description

Provide salmon for the common property resource in Southeast Alaska. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45104	ADFG	Crystal Lake Hatchery Chinook Production	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-01-JUN-05	Salmon Enhancement	$350,000	$0	Central Southeast Alaska

Project Description

Provide salmon for the common property resource in Southeast Alaska. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45108	ADFG	Ketchikan and SE AK Salmon Wastes and Utilization Studies	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-01-JUN-04	Salmon Enhancement	$500,000	$0	Central Southeast Alaska

Project Description

Provide information for value-added salmon waste products and the reduction of environmental impacts by finding alternative uses

Project Ref	Grantee	Project Name	State
AK45111	ADFG	Infrastructure Assessment RFP	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JAN-03-01-SEP-03	Salmon Enhancement	$96,145	$0	Central Southeast Alaska

Project Description

Conduct interviews/surveys to determine infrastructure needs and recommend criteria for selecting project areas and projects

Project Ref	Grantee	Project Name	State
AK45114	ADFG	Port Armstrong Chum	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-03-01-JUN-06	Salmon Enhancement	$1,500,000	$0	Central Southeast Alaska

Project Description

Produce a new increment of summer Chum salmon at the Port Armstrong hatchery at the permitted capacity of 30 million eggs annually, through upgrades to the existing facilities

Project Ref	Grantee	Project Name	State
AK45116	ADFG	Marketing matching grant program and Alaska wild salmon national marke	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Salmon Enhancement	$3,521,836	$0	Alaska

Project Description

Marketing matching grant program and Alaska wild salmon national marketing campaign.

Project Ref	Grantee	Project Name	State
AK45308	ADFG	Phase III Southeast Regional Comprehensive Salmon Plan	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-01-JUN-04	Salmon Enhancement	$180,250	$0	Central Southeast Alaska

Project Description

This project will provide continued protection of wild salmon while setting goals and objectives for enhanced production in the southeast region

Project Ref	Grantee	Project Name	State
AK45310	ADFG	Hidden Falls Chum Expansion	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-01-DEC-03	Salmon Enhancement	$590,113	$0	Central Southeast Alaska

Project Description

Infrastructure improvements to increase chum salmon production and provide for otolith marking capability

Project Ref	Grantee	Project Name	State
AK45311	ADFG	Hidden Falls Coho Expansion	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-01-DEC-03	Salmon Enhancement	$1,024,850	$0	Central Southeast Alaska

Project Description

Increase economic opportunity for southeast Alaska fisheries

Project Ref	Grantee	Project Name	State
AK45312	ADFG	Medvejie Chum Salmon Expansion	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-01-DEC-03	Salmon Enhancement	$1,077,380	$0	Central Southeast Alaska

Project Description

Infrastructure improvements to increase chum salmon production and provide for otolith marking capability

Project Ref	Grantee	Project Name	State
AK45313	ADFG	Petersburg Area Chum Salmon Fry Rearing Investigations	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-01-DEC-03	Salmon Enhancement	$25,016	$0	Central Southeast Alaska

Project Description

Project will conduct site investigations, identify brood stocks, and ascertain water quality

Project Ref	Grantee	Project Name	State
AK45320	ADFG	Crescent Lake Sockeye Escapement Estimation	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-01-DEC-03	Salmon Enhancement	$136,372	$0	Central Southeast Alaska

Project Description

Escapement estimates will assist ADF and G with managing this wild/enhanced mixed fishery to ensure sustainable production of wild sockeye salmon from Crescent and Speel Lakes

Project Ref	Grantee	Project Name	State
AK45321	ADFG	Gastineau Channel/Sheep Creek Net Pen Complex	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-01-MAR-03	Salmon Enhancement	$280,081	$0	Northern Southeast Alaska

Project Description

The construction of additional net pens will reduce the densities of fry to acceptable levels, increasing fitness and marine survival of enhanced salmon fry

Project Ref	Grantee	Project Name	State
AK45324	ADFG	Coho Pre-Smolt Enhancement Research	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-02-01-DEC-05	Salmon Enhancement	$154,500	$0	Central Southeast Alaska

Project Description

Research lakes in central and southern SE for potential coho pre-smolt release sites

Project Ref	Grantee	Project Name	State
AK45325	ADFG	Port Armstrong Coho Expansion	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-02-01-DEC-05	Salmon Enhancement	$653,535	$0	Central Southeast Alaska

Project Description

Increase coho production for SE AK fisheries

Project Ref	Grantee	Project Name	State
AK45333	ADFG	Sheldon Jackson Water Quality	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-03-01-AUG-04	Salmon Enhancement	$124,733	$0	Central Southeast Alaska

Project Description

Improve the quality of the water coming into Sheldon Jackson hatchery, which will increase survival of salmon smolts

Project Ref	Grantee	Project Name	State
AK45337	ADFG	MSC 2003 Surveillance Audit	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-03-01-JUN-04	Salmon Enhancement	$27,500	$0	Alaska

Project Description

Annual survelliance of MSC certification of Alaska salmon fisheries as sustainable under MSC criteria.

Project Ref	Grantee	Project Name	State
AK45338	ADFG	Alaska Salmon Price Report	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-01-JUN-04	Salmon Enhancement	$51,500	$0	Alaska

Project Description

FY 2004 production of the Alaska Salmon Price Report

Project Ref	Grantee	Project Name	State
AK45339	ADFG	Alaska Salmon Marketing Grant Program Part 2	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Salmon Enhancement	$1,750,000	$0	Alaska

Project Description

Improve the marketing of Alaska salmon including promotional activities, familiarization tours, trade shows, related marketing travel, packaging and label design, product sampling, and personnel costs.

Project Ref	Grantee	Project Name	State
AK45340	ADFG	Marine Advisory Program - Small Business Assistance	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Salmon Enhancement	$200,000	$0	Alaska

Project Description

The University of Alaska, Marine Advisiory Program will provide techincal assistance to small and startup fisheries businesses.

Project Ref	Grantee	Project Name	State
AK45341	ADFG	Marine Stewardship Council 2004 and 2005 Surveillance Audits	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Salmon Enhancement	$60,000	$0	Alaska

Project Description

In accordance with Marine Stewardship Council (MSC) requirements, ADF&G will contract with an accredited third party to conduct annual surveillance audits for 2004 and 2005.

Project Ref	Grantee	Project Name	State
AK45008	ADFG	Increased Remote Release of Chum Salmon, Neets and Anita Bays	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-01-01-DEC-03	Salmon Enhancement	$2,796,450	$0	Central Southeast Alaska

Project Description

Increase chum salmon production for Southeast AK Fisheries

Project Ref	Grantee	Project Name	State
AK45009	ADFG	Salmon Fresh Express	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-NOV-01-02-JAN-02	Salmon Enhancement	$12,360	$0	Central Southeast Alaska

Project Description

Examine the feasibility of utilizing the AK Marine Highway system to transport salmon products

Project Ref	Grantee	Project Name	State
AK45010	ADFG	Crystal Lake	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-02-JUN-02	Salmon Enhancement	$396,962	$0	Central Southeast Alaska

Project Description

Increase chinook salmon production for SE AK fisheries

Project Ref	Grantee	Project Name	State
AK45026	ADFG	Troll Salmon Marketing	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-DEC-01-01-DEC-03	Salmon Enhancement	$998,585	$0	Central Southeast Alaska

Project Description

Develop and implement a marketing plan to enhance the value of SE AK troll salmon products

Project Ref	Grantee	Project Name	State
AK45037	ADFG	Marine Stewardship Council Certification of Sustainable Salmon	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-02-01-SEP-02	Salmon Enhancement	$16,367	$0	Alaska

Project Description

Seek certification of AK salmon management systems as sustainable under MSC criteria

Project Ref	Grantee	Project Name	State
AK45047	ADFG	Angoon Fish Buying Station	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-01-JUN-05	Salmon Enhancement	$76,951	$0	Central Southeast Alaska

Project Description

Infrastructure improvements designed to improve handling of the harvest, and attract fishermen to the Angoon area

Project Ref	Grantee	Project Name	State
AK45049	ADFG	POWHA Sockeye Enhancement	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-01-JUN-05	Salmon Enhancement	$206,000	$0	Central Southeast Alaska

Project Description

Increase sockeye production within permitted levels at the Klawock Hatchery as part of a multi-phase approach to restoring fish returns

Project Ref	Grantee	Project Name	State
AK45051	ADFG	POWHA Coho Enhancement	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-01-JUN-05	Salmon Enhancement	$482,676	$0	Central Southeast Alaska

Project Description

Infrastructure improvements to increase coho salmon production to permitted level

Project Ref	Grantee	Project Name	State
AK45053	ADFG	Tuya Lake Sockeye Access	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-01-JUN-02	Salmon Enhancement	$31,300	$0	Central Southeast Alaska

Project Description

Examine the feasibility of removing the natural migration barriers located on the Tuya River

Project Ref	Grantee	Project Name	State
AK45061	ADFG	CRITFC Columbia Hatchery Assessment	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAR-03-01-DEC-03	Salmon Enhancement	$14,420	$0	Lower Columbia

Project Description

Identify improved chinook hatchery strategies for the Columbia River.

Project Ref	Grantee	Project Name	State
AK45073	ADFG	DCED Salmon Marketing Program Part 3	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Enhancement	$50,000	$0	Alaska

Project Description

Improve the marketing of Alaska salmon including promotional activities, familiarization tours, trade shows, related marketing travel, Packaging and label design, product sampling, and personnel costs.

Project Ref	Grantee	Project Name	State
AK45080	ADFG	ADF&G Maintenance Facility	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Enhancement	$100,000	$0	Southern Southeast Alaska

Project Description

Design a maintenance facility to be used for maintenance and repair of vessels and the design and maintenance of field equipment and supplies.

Project Ref	Grantee	Project Name	State
03-1208-2004	WA IAC	Smolt Monitoring FY-04, 05	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	02-JUL-03-30-JUL-05	Salmon Research, Monitoring, and Evaluation	$0	$500,000	Washington

Project Description

The Washington Department of Fish and Wildlife will monitor the abundance of juvenile migrant coho, steelhead, cutthroat, bull trout, and Chinook salmon at established sites within the Wenatchee River (Chelan County), Cedar Creek tributary to the north Fork of the Lewis River (Clark County) and Green River (King County).

Project Ref	Grantee	Project Name	State
03-1377-2004	WA IAC	Effectiveness Monitoring	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-APR-04-31-DEC-06	Salmon Research, Monitoring, and Evaluation	$0	$699,595	Washington

Project Description

The purpose of this contract is to conduct field monitoring of the effectiveness of restoration and protection projects funded by the Salmon Recovery Funding Board (SRFB) upon instream, riparian, and upland habitat, salmonid populations, and macroinvertebrate assemblages over multiple years. The field monitoring will include individual funded projects and worksites distributed over the entire state.

Project Ref	Grantee	Project Name	State
04-1350-2004	WA IAC	Develop Monitoring Program	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	25-MAY-04-01-DEC-04	Salmon Research, Monitoring, and Evaluation	$0	$86,180	Washington

Project Description

It is the purpose of this agreement to obtain the expertise and information available from identified technical and experts within the Department of Fish and Wildlife who possess information important to developing a cost effective and scientifically accurate monitoring program to detect the status of identified freshwater and riparian habitat, water quality and the abundance of fish species.

Project Ref	Grantee	Project Name	State
03-1205-2003	WA IAC	Intensively Monitored Watersheds FY-04	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	02-JUL-03-30-JUN-05	Salmon Research, Monitoring, and Evaluation	$0	$1,740,000	Washington

Project Description

Implement Phase 1 of intensively monitored watersheds (IMW's). Ecology will conduct watershed (basin) level monitoring to establish the cause and effect relationship between restoration projects and salmon-steelhead abundance within selected watersheds. Phase 1 will include:
1). Collect baseline outmigrant data.
2). Evaluate current conditions in candidate basins and develop study plan.
3). Review and analysis for potential IMW candidate basins statewide.
4). Provide oral updates and written reports.
5). Make information available via the Natural Resources Data Portal.

Project Ref	Grantee	Project Name	State
02-1014-2002	WA IAC	In-Stream Flows	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-02-31-DEC-06	Salmon Research, Monitoring, and Evaluation	$6,000,000	$0	Washington

Project Description

The Washington State Department of Ecology, in collaboration with the Washington Sate Department of Fish and Wildlife, local watershed planning groups, affected tribal governments, and the Washington Sate Department of Agriculture will accelerate the setting, achievement, and protection of instream flows to benefit at-risk Salmonid populations and allow stream habitat to recover. This will be accomplish through:

1. Accelerating and expanding instream flow setting in basins identified in the Statewide Strategy to Recover Salmon;
2. Acquiring water rights to meet instream flows;
3. Expanding the stream gauging monitoring network; and
4. Preparing pilot Comprehensive Irrigation District Management Plans.

Project Ref	Grantee	Project Name	State
02-1016-2002	WA IAC	Forest & Fish - HCP	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-02-30-JUN-04	Salmon Research, Monitoring, and Evaluation	$836,000	$0	Washington

Project Description

Provide first year funding of a three year project to prepare a Habitat Conservation Plan (HCP) that will realize federal assurances as committed to in Washington's Forests and Fish Report(FFR). DNR will work with the Governor's Office and other state agencies in development of a statewide, programmatic HCP that incorporates the provisions of FFR; an environmental Impact Statement; and a negotiated HCP Implementation Agreement with the federal agencies.

Project Ref	Grantee	Project Name	State
02-1202-2002	WA IAC	Salmonid Smolt Production Monitoring	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	12-JAN-02-31-JUL-03	Salmon Research, Monitoring, and Evaluation	$0	$1,099,996	Washington

Project Description

This project will focus on three primarily elements:

1. Sample smolt production from nine key watersheds throughout the state using specialized stationary or floating trapping devices that capture migrating smolts. In some watersheds smolts are coded-wire-tagged to measure marine survival, distribution and harvest.

2. Data from sampling smolt production will be analyzed to estimate smolt production from each watershed. Data and estimates will be compiled in long-term data bases to allow assessment of inter-annual variation with natural and human caused affects.

3 Results from the analysis will be provided in reports, the Salmon Recovery Scorecard, and the Salmonid Stock Inventory. In addition to assessing stock status/watershed health, some of these estimates are incorporated in fish management processes such as forecasting future run sizes and designing fishing seasons.

Project Ref	Grantee	Project Name	State
DEQ002	OWEB OR Department of Environmental Quality	Oregon Plan Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Salmon Research, Monitoring, and Evaluation	$782,182	$0	Northern Oregon Coastal

Project Description

Assess ecological condition of salmonid habitat in Coastal Coho and Willamette Steelhead ESUs

Project Ref	Grantee	Project Name	State
WA DNR IAC 13	WA IAC WA Department of Natural Resources	Conduct research related to forest practices rules in support of Adaptive M	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$3,249,200	$0	Washington

Project Description

Conduct researchrelated to new forest practices rules in support of the Forests and Fish Adaptive Management program.

Project Ref	Grantee	Project Name	State
WA DNR IAC 13	WA IAC WA Department of Natural Resources	Ecology monitoring program	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$197,000	$0	Washington

Project Description

WDOE, environmental assessment program, will implement and evalutate a monitoring program designed to measure the effectiveness of the forests and fish rules at large spatial scales.

Project Ref	Grantee	Project Name	State
WA DNR IAC 12	WA IAC WA Department of Natural Resources	Forests and Fish Agreements - Adaptive Management	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	29-JUL-03-30-JUN-06	Salmon Research, Monitoring, and Evaluation	$3,257,000	$0	Washington

Project Description

Conduct research related to new forest practices rules in support of the Forests and Fish Adaptive Management Program

Project Ref	Grantee	Project Name	State
WA DNR IAC 12	WA IAC WA Department of Natural Resources	Forests and Fish Agreements - Forest and Fish Implementation (Ecology)	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	29-JUL-03-30-JUN-06	Salmon Research, Monitoring, and Evaluation	$197,000	$0	Washington

Project Description

Ecology will implement and evaluate and monitoring program designed to measure the effectiveness of the rules at large spatial scales

Project Ref	Grantee	Project Name	State
WA DNR IAC 13	WA IAC WA Department of Natural Resources	Forests and Fish Agreements - Adaptive Management	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	25-JUL-02-30-JUN-06	Salmon Research, Monitoring, and Evaluation	$3,612,000	$0	Washington

Project Description

Conduct research related to new forest practices rules in support of the Forests and Fish Adaptive Management Program

Project Ref	Grantee	Project Name	State
WA DNR IAC 11	WA IAC WA Department of Natural Resources	Forests and Fish Agreements - Adaptive Management	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-AUG-01-30-MAY-05	Salmon Research, Monitoring, and Evaluation	$1,701,000	$0	Washington

Project Description

Conduct validation and effectiveness monitoring and research related to new forest practices rules in support of the Forests and Fish Adaptive Management program

Project Ref	Grantee	Project Name	State
WA DNR IAC 16	WA IAC WA Department of Natural Resources	Forests and Fish Agreements - Effective Monitoring	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	06-JUN-00-30-JUN-03	Salmon Research, Monitoring, and Evaluation	$603,000	$0	Washington

Project Description

Monitor the effectiveness of the new forest and fish rules to protect salmon habitat and adaptive management to improve protection as needed

Project Ref	Grantee	Project Name	State
na16fp2613	Siletz None	Estuarine Habitat Restoration on Oregon Coast	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-APR-04-30-SEP-05	Salmon Research, Monitoring, and Evaluation	$50,000	$0	Northern Oregon Coastal

Project Description

Monitor fish use of eight salt marsh restoration projects across the Siletz and Yaquina estuaries. Project focus will be to examine the efficacy of various salt marsh restoration methods used by government agencies, watershed councils and NGOs. Monitoring will cover hourly fish use patterns relative to habitat available across tidal cycles. Monitoring will examine fish use patterns relative to dike removal method, tide gate presence, marsh watershed structure, channel morphologies, channel elevations, salinity mixing patterns, temperature patterns, marsh plant community structure and species distributions.

Project Ref	Grantee	Project Name	State
SBT-M and E-01	Shoshone-Bannock	SBT-Monitoring and Evaluation-01	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-FEB-02-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$9,650	$0	Salmon

Project Description

The Shoshone-Bannock Tribes are in need of funding to support continuing monitoring and evaluation of the Tribes' production initiatives that are presently conducted under U.S. v Oregon agreements. Monitoring generally includes quantification of production output and adult returns, along with monitoring of environmental parameters that are used to determine output timing, location and life stages. Most of the Salmon River areas where production actions are proposed have salmon populations that are critically depressed or extirpated.

Project Ref	Grantee	Project Name	State
SBT-Salmon Sup	Shoshone-Bannock	SBT-SalmonSupplementation-02	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-FEB-02-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$50,000	$0	Salmon

Project Description

Implementing artificial production strategies that are aimed at restoring naturally producing populations is largely experimental. The Shoshone-Bannock Tribes propose to keep the Middle Fork Salmon River as a wild fish refuge, with no supplementation, while testing the alternative strategy of using artificial production to rebuild naturally-producing populations in the Salmon River and some of its tributaries upstream from the Middle Fork Salmon River.

Project Ref	Grantee	Project Name	State
SBT-Salmon Sup	Shoshone-Bannock	SBT-SalmonSupplementation-03	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-FEB-02-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$50,000	$0	Salmon

Project Description

The recovery planning and supplementation activites proposed for PCSRF funding are for Snake River spring/summer chinook salmon (threatened), Snake River coho salmon (extinct), Snake River sockeye salmon (endangered), and Snake River steelhead (threatened), and potentially impact bull trout (threatened). The activities contemplated, and the planning that is needed has to be a collaborative effort among the co-managers and federal agencies, that needs to be coordinated with other regional processes (e.g., U.S. v Oregon, Artificial Production Review, Artificial Production Advisory Committee).

Project Ref	Grantee	Project Name	State
23 370 01 2003	Round Valley	Biologist Salary	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$13,000	$0	Northern California Coastal

Project Description

Directs the Fisheries (and Wildlife) Programs, grant writer, SRP designer, etc...

Project Ref	Grantee	Project Name	State
23 370 20 2003	Round Valley	Salmon Harvest and Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-31-MAR-04	Salmon Research, Monitoring, and Evaluation	$18,439	$0	Northern California Coastal

Project Description

Creel surveys, carcass and redd counts to est. popn. Trends

Project Ref	Grantee	Project Name	State
23 370 01 2002	Round Valley	% of Biologist Salary	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JAN-03-31-DEC-03	Salmon Research, Monitoring, and Evaluation	$14,621	$0	Northern California Coastal

Project Description

Directs the Fisheries (and Wildlife) Programs, grant writer, SRP designer, etc...

Project Ref	Grantee	Project Name	State
23 370 04 2002	Round Valley	Contractual Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JAN-03-31-DEC-03	Salmon Research, Monitoring, and Evaluation	$8,000	$0	Northern California Coastal

Project Description

GIS work, BA/BE doc. prep., Consulting, etc

Project Ref	Grantee	Project Name	State
23 370 20 2002	Round Valley	Salmon Harvest and Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-APR-03	Salmon Research, Monitoring, and Evaluation	$20,532	$0	Northern California Coastal

Project Description

Creel surveys, carcass and redd counts to est. popn. Trends

Project Ref	Grantee	Project Name	State
23 370 2001	Round Valley	Watershed Monitoring Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-02-31-OCT-02	Salmon Research, Monitoring, and Evaluation	$20,000	$0	Northern California Coastal

Project Description

Collection of: water flow and temp. data, Gravel sampling, Habitat Typing, bio-assessments, SRP evaluations, etc.

Project Ref	Grantee	Project Name	State
23 370 20 2001	Round Valley	Salmon Harvest and Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-APR-02	Salmon Research, Monitoring, and Evaluation	$10,000	$0	Northern California Coastal

Project Description

Creel surveys, carcass and redd counts to est. popn. Trends

Project Ref	Grantee	Project Name	State
23 370 01 2000	Round Valley	% of Biologist Salary	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JAN-01-31-DEC-01	Salmon Research, Monitoring, and Evaluation	$15,548	$0	Northern California Coastal

Project Description

Directs the Fisheries (and Wildlife) Programs, grant writer, SRP designer, etc...

Project Ref	Grantee	Project Name	State
23 370 12 2000	Round Valley	N.F. Eel River Bio-assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-AUG-00-31-AUG-00	Salmon Research, Monitoring, and Evaluation	$1,287	$0	Northern California Coastal

Project Description

Snorkel, E-fish and ocular observations

Project Ref	Grantee	Project Name	State
23 370 20 2000	Round Valley	Salmon Harvest and Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-00-30-APR-01	Salmon Research, Monitoring, and Evaluation	$23,755	$0	Northern California Coastal

Project Description

Creel surveys, carcass and redd counts to est. popn. Trends

Project Ref	Grantee	Project Name	State
23 370 31 2000	Round Valley	Tribal Fish License and Tag Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JAN-01-31-DEC-01	Salmon Research, Monitoring, and Evaluation	$4,936	$0	Northern California Coastal

Project Description

Monitor tribal member fishing pressure

Project Ref	Grantee	Project Name	State
23 370 40 2000	Round Valley	Watershed Monitoring Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAR-01-31-OCT-01	Salmon Research, Monitoring, and Evaluation	$25,601	$0	Northern California Coastal

Project Description

Collection of: water flow and temp. data, Gravel sampling, Habitat Typing, bio-assessments, SRP evaluations, etc.

Project Ref	Grantee	Project Name	State
OWRD001	OWEB OR Water Resources Department	OWRD Monitoring and Evaluation	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-SEP-03	Salmon Research, Monitoring, and Evaluation	$782,465	$0	Oregon

Project Description

Collect and maintain streamflow, water use, and ground water data in support of assessing watershed health and restoration project effectiveness. Project will target ESUs that occur in Oregon coastal watersheds and Columbia River tributaries in Oregon.

Project Ref	Grantee	Project Name	State
IMST001	OWEB OR IMST	Independent Multidisciplinary Science Team	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Salmon Research, Monitoring, and Evaluation	$600,000	$0	Oregon

Project Description

The IMST is an independent science team that advises the State on technical matters regarding salmonid and watershed recovery and provides independent assessment of the OR Plan for Salmonids and Watersheds including the monitoring program and reviews, upon request, current and proposed state/agnecy policies and technical issues. The IMST was constituted in 1997 under Oregon Senate Bill 924. The IMST does two types of reports 1) Independent projects dealing with the scientific basis for management of resources and settings relative to the Oregon Plan and 2) Review projects in which the Team is reviewing ongoing or proposed programs and activities that could influence accomplishing the mission of the Oregon Plan.

Project Ref	Grantee	Project Name	State
ODF004a	OWEB OR Department of Forestry	Research, Monitoring and Evaluation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Salmon Research, Monitoring, and Evaluation	$945,279	$649,315	Oregon

Project Description

This project will fund 4 permanent and two seasonal employees to: Conduct effectiveness and compliance monitoring projects within the Forest Practices monitoring program, support research efforts related to aquatic links between physical/chemical and biological rocesses on forest lands, support research evaltating the impacts of forest practices on watershed scale physical/chemical processes, and determine the presence and absence of salmonids for program administration and to establish a baseline for future monitoring.

Project Ref	Grantee	Project Name	State
ODFW002	OWEB OR Department of Fish and Wildlife	Coastal Monitoring Program	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Salmon Research, Monitoring, and Evaluation	$3,852,652	$0	Oregon

Project Description

ODFW's Coastal Monitoring Program is focused on providing statistically rigorous estimates of the status and trends in anadromous fish populations and their habitats at the scales of Ecologically Significant Units (ESU's), Monitoring Areas, and river basins. The sampling framework for the program, an innovative application of the Environmental Monitoring and Assessment Program (EMAP), was developed cooperatively with the EPA Research Lab in Corvallis. The program is implemented through the following projects: Coastal Salmonid Inventory, Coastal Salmonid Life-Cycle Monitoring, Coastal Salmonid Juvenile Monitoring, and Aquatic Inventories. Some of the projects are modifications of previous research that continue in support of the Oregon Plan while others are new programs initiated with the implementation of the Oregon Plan.

Project Ref	Grantee	Project Name	State
ODFW004g	OWEB OR Department of Fish and Wildlife	Habitat and Fish Management Biologists	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Salmon Research, Monitoring, and Evaluation	$85,346	$0	Northern Oregon Coastal

Project Description

Assistant District Biologist (2.92 FTE): Work directly with District Fish Biologists and are associated with ongoing District fieldwork such as landowner assistance, habitat restoration, creel surveys, and other fish management activities that support the Oregon Plan. Serve as lead worker to field crews, and often share responsibility with the District Fish Biologist to represent the Department at public meetings. They work with the District Fish Biologist in development of annual angling regulations that protect indigenous stocks. Habitat Biologist (3.0 FTE): Provide technical assistance/consultation for State/Federal agencies, local governments, watershed councils, and landowners on protection, enhancement and restoration of fish and wildlife habitats. Assist with critical elements of the Oregon Plan, which are to allow sustainable development and also minimize, mitigate, or eliminate negative impacts to fish and wildlife habitat.

Project Ref	Grantee	Project Name	State
ODFW001b	OWEB OR Department of Fish and Wildlife	Aquatic Inventories Program	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Salmon Research, Monitoring, and Evaluation	$244,409	$0	Oregon

Project Description

The Aquatic Inventories Program is comprised of 5 projects: (1) monitor aquatic and riparian habitat in coastal basins at randomly selected sites as part of the Oregon Plan for Salmon and Watersheds, (2) provide quantitative assessments of aquatic and riparian habitat in streams and rivers throughout the state of Oregon, (3) monitor the response of habitat restoration projects, (4) conduct selected studies on salmonid and non-salmonid populations, and (4) conduct studies on salmonid use and performance in estuaries. This project funds 2.0 FTE to direct project implementation.

Project Ref	Grantee	Project Name	State
ODFW004I	OWEB OR Department of Fish and Wildlife	Habitat and Fish Management Biologists	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Salmon Research, Monitoring, and Evaluation	$11,156	$0	Willamette

Project Description

Assistant District Biologist (2.92 FTE): Work directly with District Fish Biologists and are associated with ongoing District fieldwork such as landowner assistance, habitat restoration, creel surveys, and other fish management activities that support the Oregon Plan. Serve as lead worker to field crews, and often share responsibility with the District Fish Biologist to represent the Department at public meetings. They work with the District Fish Biologist in development of annual angling regulations that protect indigenous stocks. Habitat Biologist (3.0 FTE): Provide technical assistance/consultation for State/Federal agencies, local governments, watershed councils, and landowners on protection, enhancement and restoration of fish and wildlife habitats. Assist with critical elements of the Oregon Plan, which are to allow sustainable development and also minimize, mitigate, or eliminate negative impacts to fish and wildlife habitat.

Project Ref	Grantee	Project Name	State
OWEB 204-270	OWEB	Youngs Bay Habitat Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	06-AUG-04-30-AUG-05	Salmon Research, Monitoring, and Evaluation	$36,580	$0	Lower Columbia

Project Description

This proposal funds stream habitat and snorkel surveys for juvenile coho in the Youngs Bay Watershed. The project is modeled after an OWEB funded assessment project conducted in the lower Nehalem in 2002. Assessment information will be used to aid the watershed council in identifying and prioritizing potential habitat restoration areas. The assessment includes winter habitat surveys in approximately 50 small, low gradient streams in the Youngs Bay watershed using ODFW survey protocols.

Project Ref	Grantee	Project Name	State
OWEB 204-271	OWEB	Upper Nehalem Habitat Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	25-JUN-04-30-AUG-05	Salmon Research, Monitoring, and Evaluation	$38,880	$0	Northern Oregon Coastal

Project Description

This proposal funds stream habitat and snorkel surveys for juvenile coho in the Upper Nehalem Watershed. The project would be a continuation of an overall assessment of stream habitat and coho distribution of the entire Nehalem basin, the lower portion of which was assessed in 2002. Information will be used to aid the watershed council in identifying and prioritizing potential habitat restoration areas. The assessment includes winter habitat surveys in approximately 86 miles in the upper Nehalem using ODFW survey protocols. This will supplement the 219 miles already habitat surveyed (primarily in the summer) by ODFW.

Project Ref	Grantee	Project Name	State
OWEB 204-274	OWEB	Salmon-Drift Cr WS Water Quality Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	25-JUN-04-30-NOV-05	Salmon Research, Monitoring, and Evaluation	$15,350	$0	Northern Oregon Coastal

Project Description

This proposal funds baseline water quality monitoring on the Salmon River, Drift Creek and Devils Lake and its tributaries. Monitoring includes water chemistry, stream discharge, continuous temperature and bacteriological testing. The proposed project builds on previous monitoring to refine local understanding of the system, identify priority restoration areas, and collect baseline information. Requested OWEB funds would be used for technical consultants (40%) and field sampling and analysis equipment (60 %).

Project Ref	Grantee	Project Name	State
OWEB 204-275	OWEB	MidCoast WS Evaluation & Restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	30-JUN-04-30-APR-05	Salmon Research, Monitoring, and Evaluation	$87,274	$0	Northern Oregon Coastal

Project Description

This proposal funds two surveyors to continue Aquatic Habitat Inventories, spawning surveys, and restoration project monitoring. The information collected will complement past assessments in Mid Coast basins, identifies factors limiting fish production and focuses restoration opportunities.

Project Ref	Grantee	Project Name	State
OWEB 204-276	OWEB	Yachats Water Quality Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	23-JUN-04-31-MAR-05	Salmon Research, Monitoring, and Evaluation	$4,610	$0	Northern Oregon Coastal

Project Description

This proposal funds water quality monitoring projects in the Yachats basin. Both new and continuing projects are included. New monitoring addresses stream restoration effectiveness monitoring and stream monitoring related to timber harvests. Continued monitoring deals with investigating Dissolved Oxygen, pH and water color in the lower Yachats River as well as baseline water quality monitoring at several Yachats River sites.

Project Ref	Grantee	Project Name	State
OWEB 204-277	OWEB	Effectivness Monitoring for tidal restoration	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	25-JUN-04-31-MAR-06	Salmon Research, Monitoring, and Evaluation	$35,980	$0	Lower Columbia

Project Description

This project evaluates 9 tidegate replacement projects (5 already completed, 4 to be completed) for their effectiveness in restoring tidal exchange and ecological connectivity. Parameters monitored for this connection will be temperature, dissolved oxygen, turbidity and salinity. Personnel costs (staff time/wages and travel) account for 67% of the total project cost.

Project Ref	Grantee	Project Name	State
OWEB 204-282	OWEB	Tenmile Lakes WS Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	17-AUG-04-31-DEC-05	Salmon Research, Monitoring, and Evaluation	$74,068	$0	Southern Oregon Coastal

Project Description

This project proposes to continue watershed project effectiveness monitoring for the Tenmile Basin Partnership. Activities to be monitored include riparian and fencing projects, instream habitat improvement activities, fish passage improvement, water quality improvement measures, and stream crossing projects. Information collected will assist the Partnership in design and implementation of future restoration projects. OWEB funds are primarily for support of a monitoring coordinator and reporting.

Project Ref	Grantee	Project Name	State
OWEB 204-283	OWEB	Applegate Basin Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	31-AUG-04-30-JUN-06	Salmon Research, Monitoring, and Evaluation	$58,307	$0	Southern Oregon Coastal

Project Description

This project funds monitoring for the effectiveness of the Applegate Subbasin TMDL as well as monitoring of restoration projects. The data collected will support development of a water quality management plan for TMDL implementation. OWEB funds will support a project manager and technician.

Project Ref	Grantee	Project Name	State
OWEB 204-287	OWEB	Curry Co WS Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	10-SEP-04-31-DEC-05	Salmon Research, Monitoring, and Evaluation	$166,774	$0	Southern Oregon Coastal

Project Description

This project proposes to continue the watershed monitoring program shared by the Lower Rogue and South Coast Watershed Councils. Under this project, effectiveness monitoring would occur on 600 restoration projects implemented by the councils. Baseline and storm related water quality data in all the counties major watersheds would continue to be collected. Additionally, forty five miles of private road would be surveyed for sources of sediment. The information collected helps the council play an active role in the development of local TMDL's and WQMP's. OWEB funds are primarily for project staff and sampling collection and analysis.

Project Ref	Grantee	Project Name	State
OWEB 204-288	OWEB	Cowen/Sinko wetland restoration monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	26-JUL-04-30-JUN-06	Salmon Research, Monitoring, and Evaluation	$39,586	$0	Southern Oregon Coastal

Project Description

This Ducks Unlimited project is to monitor fish usage (primarily salmonids) and movement in 2 restored tidally influenced wetlands on the south coast of Oregon. Personnel costs (staff time/wages and travel) comprise 75% of the total cost of the project.

Project Ref	Grantee	Project Name	State
OWEB 204-289	OWEB	Coos WS Tide Gate Replacement / Effectiveness Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	24-AUG-04-30-JUN-06	Salmon Research, Monitoring, and Evaluation	$115,883	$0	Southern Oregon Coastal

Project Description

The project is to evaluate the effectiveness and increased fish use and movement as a result of the tidegate replacement using a new (improved) design. Personnel costs (staff time/wages and travel) is the main use of OWEB funding, approximately 55% of the total cost of the project.

Project Ref	Grantee	Project Name	State
OWEB 204-290	OWEB	Lower Umpqua Basin Water Quality Monitoring Phase 2	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$19,085	$0	Southern Oregon Coastal

Project Description

This proposal is part of a three phase water quality assessment program. Phase 1 was assessment, Phase 2 is implementation of agricultural management practices and Phase 3 will be the assessment of management practices effectiveness. Indicators evaluated include stream morphology and substrate, water quality, stream shade, and riparian land use. Effectiveness monitoring is tied to AWQMP implementation.

Project Ref	Grantee	Project Name	State
OWEB 204-293	OWEB	Monitoring of Fish Species & Aquatic Habitat in Streams	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	08-JUL-04-30-JUN-06	Salmon Research, Monitoring, and Evaluation	$21,500	$0	Willamette

Project Description

This proposal will 1) evaluate the abundance and distribution of fish species in approximately nine miles of streams within the city of Wilsonville; and 2) conduct aquatic habitat surveys in these streams to indicate where habitat should be protected and restored. This project will assess population abundance, calculate an index of biotic integrity and determine seasonal habitat use patterns of ESA-listed salmonids in each stream or reach.

Project Ref	Grantee	Project Name	State
OWEB 204-294	OWEB	Monitoring Phase 2 to Develop Restoration Plans	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	24-JUN-04-30-JUN-06	Salmon Research, Monitoring, and Evaluation	$33,870	$0	Willamette

Project Description

This project is the second phase of a monitoring effort designed to identify point source or localized non-point source pollutants. In the first phase, they found three sites with elevated levels of pollutants (e.coli bacteria, specific conductivity, dissolved oxygen and/or total phosphorus). This monitoring designed to identify causes of these elevated levels of pollutants to help develop restoration efforts to remedy the problems. OWEB funds are for water quality lab work (36%) and for consultants to collect specialized data, interpret collected data and produce a report (57%).

Project Ref	Grantee	Project Name	State
OWEB 204-295	OWEB	Long Tom Watershed Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	22-SEP-04-30-JUN-06	Salmon Research, Monitoring, and Evaluation	$80,768	$0	Willamette

Project Description

This proposal funds a water quality monitoring project using the most cost effective components of its baseline monitoring program while redirecting more costly components to focus on problem areas identified in previous monitoring. The proposal includes a statistically valid sampling of macroinvertebrate populations to assess biological conditions throughout the Long Tom watershed. OWEB funds are divided between personnel costs and sample collection and analysis costs.

Project Ref	Grantee	Project Name	State
OWEB 204-301	OWEB	Camp Cr Paired WS Juniper Control Water Quality Montoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	28-JUN-04-30-JUN-05	Salmon Research, Monitoring, and Evaluation	$38,609	$0	Deschutes

Project Description

This proposal funds monitoring the impact of western juniper harvest on water quantity and timing of flow. Following nine years of baseline monitoring, this project will monitor changes in water flow and timing in a paired watershed study. OWEB funds are primarily for monitoring equipment and instrumentation.

Project Ref	Grantee	Project Name	State
OWEB 204-302	OWEB	L Crooked & M Deschutes Wild Scenic Rivers Flow	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	25-JUN-04-30-JUN-06	Salmon Research, Monitoring, and Evaluation	$45,000	$0	Deschutes

Project Description

This proposal funds effectiveness monitoring for flow mitigation and restoration projects, including groundwater use and allocation. Information will also be used to quantify minimum flows needed to protect resource values. OWEB funds will be used for contracted field work - monitoring of springs and seepage.

Project Ref	Grantee	Project Name	State
OWEB 204-303	OWEB	Upper Deschutes Water Quality MonitoringTMDL/ Implementation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	24-JUN-04-30-JUN-06	Salmon Research, Monitoring, and Evaluation	$63,950	$0	Deschutes

Project Description

This proposal supports TMDL development and implementation, coordinates regional monitoring activities, and develops a volunteer monitoring program in the sub-basin. The proposal extends funding for a Water Quality Specialist position at the UDWC who implements the Framework for Regional, Coordinated Monitoring in the Middle and Upper Deschutes River Basin to facilitate the efficient collection, exchange and analysis of the various sets of data in the sub-basin.

Project Ref	Grantee	Project Name	State
OWEB 204-304	OWEB	Automated Water Quality Monitoring in Buck Hollow Watershed	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	23-JUN-04-30-DEC-07	Salmon Research, Monitoring, and Evaluation	$17,613	$0	Deschutes

Project Description

This proposal funds water quality and hydrologic monitoring in response to storm events. This information will help assess the effectiveness of restoration efforts at the watershed scale. OWEB funds will be used to purchase and install equipment (60%) and for technicians (40%).

Project Ref	Grantee	Project Name	State
OWEB 204-310	OWEB	North & Middle Forks John Day Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	18-JUN-04-05-DEC-05	Salmon Research, Monitoring, and Evaluation	$81,352	$0	John Day

Project Description

The project is to develop a prototype database for data collected on water quality, riparian vegetation and channel morphology, and monitor effectiveness of management practices such as push-up dam replacement and riparian fencing. Personnel costs (staff time/wages and travel) is the main use of the OWEB funding, approximately 65% of the total cost of the project.

Project Ref	Grantee	Project Name	State
OWEB 204-311	OWEB	Lower Willow Cr E coli Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	24-JUN-04-31-DEC-05	Salmon Research, Monitoring, and Evaluation	$38,016	$0	Middle Snake-Boise

Project Description

This proposal funds contractor's wages (87%) plus mileage required for E. coli sampling in Willow Creek. The monitoring program assesses the impact on Willow Creek's water quality from cattle grazing on irrigated pastures, and continues sampling at three trend sites on Willow Creek to track changes in E. coli numbers resulting from implemented BMP's at CAFO's and other sources.

Project Ref	Grantee	Project Name	State
OWEB 204-312	OWEB	Walla Walla Surface Ground Water Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	23-JUN-04-30-JUN-06	Salmon Research, Monitoring, and Evaluation	$167,082	$0	Middle Columbia

Project Description

This project funds continuing hydrologic and hydrogeologic assessments designed to provide critical water budget data for the Walla Walla basin, the Walla Walla River USFWS-irrigation district agreement, and the CTUIR-USACE Feasibility project. Work includes installation and maintenance of 22 semi-permanent stations; seepage assessment; shallow aquifer well-level monitoring; diversion inventory; surface-groundwater modeling and a water budget. Cost-share partners include OSU, OWRD, CTUIR, Hudson Bay District Improvement, Walla Walla River Irrigation District and WWBWSC.

Project Ref	Grantee	Project Name	State
OWEB 204-313	OWEB	Wildhorse WS & Tmdl Implementation Study	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	28-JUN-04-30-JUN-06	Salmon Research, Monitoring, and Evaluation	$117,778	$0	Middle Columbia

Project Description

This proposal funds two years of intensive studies of how in-stream sediment, temperature, and nitrates relate to land use in Wildhorse Creek. The remaining resources are to be spent maintaining TMDL implementation effectiveness monitoring of sediment and temperature in the greater Umatilla Sub-basin. The largest portion of the OWEB funds will be spent on wages & benefits (70%) and sample analysis (14%). The monitoring in this proposal is pursuant to the Long Term Monitoring Plan (LTMP) developed to evaluate progress and validate implementation of the Umatilla River Basin TMDL/WQMP.

Project Ref	Grantee	Project Name	State
OWEB 204-314	OWEB	Water Quality Monitoring for the Grande Ronde River Basin	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	12-AUG-04-31-DEC-05	Salmon Research, Monitoring, and Evaluation	$60,600	$0	Lower Snake

Project Description

The project will continue assessment of current water quality conditions, trends and restoration/conservation project effectiveness. It will coordinate and improve data collection in the basin and will continue to inform landowners, operators, and resource conservationists of water quality conditions and trends and educate them in issues related to water quality. OWEB funds are requested for water quality technician (93%), travel (1%) and administration (6%). Cost-share partners include the BOR, Union SWCD, NRCS, DEQ 319 funds.

Project Ref	Grantee	Project Name	State
OWEB 204-315	OWEB	Wallowa Co Stream Flow Gaging Stations	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$45,862	$0	Lower Snake

Project Description

The project continues operation of seven mainstem stream gages: three in the Lostine, two in Bear Creek and two in the Wallowa River. These gages assist in irrigation water management, fisheries management, long-term flow and trend analysis, DEQ WQ management planning, and will provide essential information to facilitate a proposed exchange for stored water in Wallowa Lake with surface water in the Lostine River and Bear Creek. OWEB funds are requested for personnel (USGS, OWRD and GRMWP (74%), contracted services (15%), supplies (2%) and administration (10%). Cost-share partners include the Grande Ronde Model Watershed Program and Nez Perce Tribe.

Project Ref	Grantee	Project Name	State
OWEB 204-929	OWEB	ESA PCSRF 04 - PSU Facilitation Svcs	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	04-AUG-04-31-DEC-05	Salmon Research, Monitoring, and Evaluation	$71,982	$0	Willamette

Project Description

PCSRF FFY 04 ESA Facilitation svcs for Evalauation fo the Oregon Plan North Coast

Project Ref	Grantee	Project Name	State
OWEB 204-929A	OWEB	ESA PCSRF 04 - OSU/INR Coastal Coho case study for Stanford	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	21-JUL-04-31-MAY-05	Salmon Research, Monitoring, and Evaluation	$15,000	$0	Willamette

Project Description

PCSRF FFY 04 OSU/INR Coastal Coho case study for Stanford

Project Ref	Grantee	Project Name	State
OWEB 204-929B	OWEB	ESA PCSRF 04 - ODFW Database Mgt for the OP assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$53,000	$0	Willamette

Project Description

PCSRF FFY 04 ESA ODFW database mgmt for the Oregon Plan Assessment

Project Ref	Grantee	Project Name	State
OWEB 204-929D	OWEB	ESA PCSRF 04 - reserved	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$10,018	$0	Willamette

Project Description

PCSRF FFY 04 ESA uncommitted funds reserved

Project Ref	Grantee	Project Name	State
OWEB 204-932	OWEB	Restoration Pjt Effectiveness reserve	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$440,000	$0	Willamette

Project Description

Restoration project effectiveness Board commitment/reserve

Project Ref	Grantee	Project Name	State
OWEB 204-933	OWEB	Restoration Pjt Effectiveness-validation monitoring position	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$60,000	$0	Willamette

Project Description

Restoration project effectiveness Board Restoration project effectiveness validation monitoring position

Project Ref	Grantee	Project Name	State
OWEB 204-934	OWEB	Restoration Pjt Effectiveness-juniper & irrigation efficienc	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$100,000	$0	Willamette

Project Description

Restoration project effectiveness-juniper and irrigation efficiencies study

Project Ref	Grantee	Project Name	State
OWEB 204-065	OWEB	Crab/Green Long Term Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	09-JUL-03-30-NOV-04	Salmon Research, Monitoring, and Evaluation	$0	$23,100	Northern Oregon Coastal

Project Description

This two-year monitoring project is designed to conduct both physical and biological monitoring on one of the largest LWD projects currently implemented in the coho habitat of the coast range. The project goals are to quantify the changes in the abundance and quality of low velocity complex habitats and to document the change in production for coho, utilizing both pre and post LWD project data. OWEB funds will be used for snorkel surveys, data analysis and reporting.

Project Ref	Grantee	Project Name	State
OWEB 204-910	OWEB	ODFW Nonpariel Dam project continuation	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	26-SEP-03-30-JUN-04	Salmon Research, Monitoring, and Evaluation	$0	$51,150	Oregon

Project Description

Continuation of ODFW Nonpariel dam project

Project Ref	Grantee	Project Name	State
OWEB 204-916	OWEB	ESA PCSRF U of O - Infographics GIS Coordination	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	23-JAN-04-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$80,000	$0	Willamette

Project Description

ESA PCSRF U of O Infographics GIS Coordination for the Oregon Plan North Coast implementation evaluation

Project Ref	Grantee	Project Name	State
OWEB 204-917	OWEB	ESA PCSRF DEQ - Northern Coastal Coho ESU data analysis	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	13-JAN-04-15-NOV-04	Salmon Research, Monitoring, and Evaluation	$56,500	$0	Willamette

Project Description

ESA PCSRF DEQ Northern Coastal Coho ESU data analysis

Project Ref	Grantee	Project Name	State
OWEB 204-918	OWEB	ESA PCSRF John Ames PSC-Oregon Plan North Coast formatting	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	17-JAN-04-31-JAN-05	Salmon Research, Monitoring, and Evaluation	$5,000	$0	Willamette

Project Description

ESA PCSRF John Ames PSC formatting the North Coast Implementataion Evaluation document

Project Ref	Grantee	Project Name	State
OWEB 204-919	OWEB	ESA PCSRF OWEB J. Nicholas North Coast Evaluation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-31-AUG-04	Salmon Research, Monitoring, and Evaluation	$40,000	$0	Willamette

Project Description

ESA PCSRF OWEB/Jay Nicholas North Coast evaluation

Project Ref	Grantee	Project Name	State
OWEB 204-920	OWEB	ESA PCSRF ODFW Data Library creation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	08-DEC-03-01-JUN-04	Salmon Research, Monitoring, and Evaluation	$6,500	$0	Willamette

Project Description

ESA PCSRF ODFW Data Library creation

Project Ref	Grantee	Project Name	State
OWEB 204-921	OWEB	ESA PCSRF USDA Forest Svc Coastal Landscape Analysis	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	17-JUN-04-30-JUN-04	Salmon Research, Monitoring, and Evaluation	$7,000	$0	Willamette

Project Description

ESA PCSRF USDA Forest Svc, coastal landscape analysis and modeling program

Project Ref	Grantee	Project Name	State
OWEB 204-922	OWEB	ESA PCSRF PSMFC North Coast Data Entry	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	20-FEB-04-31-MAY-04	Salmon Research, Monitoring, and Evaluation	$8,410	$0	Willamette

Project Description

ESA PCSRF PSMFC North Coast data entry

Project Ref	Grantee	Project Name	State
OWEB 204-924	OWEB	OSU Nonpariel Dam Research Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	08-APR-04-30-JUN-07	Salmon Research, Monitoring, and Evaluation	$0	$520,000	Northern Oregon Coastal

Project Description

OSU Nonpariel coho dam

Project Ref	Grantee	Project Name	State
OWEB 204-925	OWEB	ESA PCSRF ODF North Coast Data Assessment-Computer	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	27-APR-04-30-JUN-04	Salmon Research, Monitoring, and Evaluation	$3,749	$0	Willamette

Project Description

ESA PCSRF ODF North Coast data analysis - computer

Project Ref	Grantee	Project Name	State
OWEB 203-912	OWEB	ODFW Lower Columbia Monitoring Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	13-JUL-03-30-JUN-04	Salmon Research, Monitoring, and Evaluation	$446,967	$0	Oregon

Project Description

ODFW Lower Columbia Monitoring Project

Project Ref	Grantee	Project Name	State
OWEB 203-913	OWEB	Water Resources John Day Flow	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	18-APR-03-31-OCT-04	Salmon Research, Monitoring, and Evaluation	$85,000	$0	John Day

Project Description

Funding to the Water Resources Dept for the John Day basin stream gage evaluation

Project Ref	Grantee	Project Name	State
OWEB 203-914	OWEB	PSC-On-line query 4(d) application upgrade	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	14-MAR-03-29-SEP-03	Salmon Research, Monitoring, and Evaluation	$5,000	$0	Oregon

Project Description

Online query 4 (d) application upgrade

Project Ref	Grantee	Project Name	State
OWEB 203-916	OWEB	DEQ Lower Columbia Monitoring	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-JUN-03-31-MAY-05	Salmon Research, Monitoring, and Evaluation	$300,000	$0	Oregon

Project Description

DEQ Lower Columbia Monitoring Project

Project Ref	Grantee	Project Name	State
OWEB 203-917	OWEB	USFWS Oregon Coastal Wetland Change Study	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	17-JAN-03-30-SEP-03	Salmon Research, Monitoring, and Evaluation	$25,000	$0	Northern Oregon Coastal

Project Description

USFWS Oregon Coastal Wetland change study

Project Ref	Grantee	Project Name	State
OWEB 203-918	OWEB	Riparian Assessment Framework document production	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-30-OCT-03	Salmon Research, Monitoring, and Evaluation	$7,200	$0	Oregon

Project Description

Riparian assessment framework document production

Project Ref	Grantee	Project Name	State
OWEB 203-919	OWEB	OSU Basin Scale Indicator Development	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-JUL-03-31-DEC-03	Salmon Research, Monitoring, and Evaluation	$50,000	$0	Oregon

Project Description

OSU basin scale indicator development for watershed health

Project Ref	Grantee	Project Name	State
OWEB 203-920	OWEB	OSU Willamette Basin Digital Library	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-SEP-04	Salmon Research, Monitoring, and Evaluation	$50,000	$0	Willamette

Project Description
OSU Willamette basin digital library

Project Ref	Grantee	Project Name	State
OWEB 203-921	OWEB	Development of virtural natural resources data clearinghous	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	02-JUL-03-18-JUN-03	Salmon Research, Monitoring, and Evaluation	$30,000	$0	Oregon

Project Description
Development of virtual Oregon natural resources data clearinghouse

Project Ref	Grantee	Project Name	State
OWEB 203-922	OWEB	Portal Development - unallocated	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$145,000	$0	Oregon

Project Description
Unallocated Portal Development

Project Ref	Grantee	Project Name	State
OWEB 203-923	OWEB	Coastal Data Intergration - unallocated	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$120,000	$0	Oregon

Project Description
Unallocated Coastal Data

Project Ref	Grantee	Project Name	State
OWEB 203-925	OWEB	Research RFP Coordination - unallocated	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$55,000	$0	Oregon

Project Description

Unallocated Research RFP Coordination

Project Ref	Grantee	Project Name	State
OWEB 204-062	OWEB	Salmon-Drift Cr WS Water Quality Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	03-OCT-03-30-SEP-04	Salmon Research, Monitoring, and Evaluation	$7,550	$0	Northern Oregon Coastal

Project Description

This proposal will fund continued water quality and quantity monitoring on Drift Creek (Siletz), Schooner Creek and Devils Lake tributaries. The project is a community-based effort that obtains data useful for watershed restoration planning and provides education to students, volunteers and community members. The majority of OWEB funds are budgeted for contracted services (coordinator, lab manager and lab work), and supplies/materials (primarily chemicals). Smaller amounts are requested for travel and production.

Project Ref	Grantee	Project Name	State
OWEB 204-063	OWEB	Yachats Water Quality Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-OCT-03-30-SEP-04	Salmon Research, Monitoring, and Evaluation	$2,360	$0	Northern Oregon Coastal

Project Description

This proposal would fund the fourth year of a ten-year citizen driven water quality and quantity monitoring project in the Yachats River basin. The project would continue to compile data on water quantity, dissolved oxygen, conductivity, turbidity, pH, E.coli, and temperature in order to begin to establish trends, help assess restoration effort effectiveness and identify issues and locations for further restoration opportunities. OWEB funds will be used for contracted services (volunteer coordinator and lab manager), supplies, equipment and travel.

Project Ref	Grantee	Project Name	State
OWEB 204-064	OWEB	Nestucca-Neskowin WSs Water Quality Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	07-OCT-03-30-SEP-04	Salmon Research, Monitoring, and Evaluation	$3,300	$0	Northern Oregon Coastal

Project Description

This project would allow the Nestucca Neskowin Watershed Council to continue their water quality monitoring program for another two years in order to establish baseline conditions, track trends and identify problem areas in need of restoration efforts. Parameters to be monitored include bacteria, temperature, turbidity and conductivity. The bulk of the requested OWEB funds would be used to pay project manager wages and travel expenses, with smaller amounts budgeted for supplies and materials.

Project Ref	Grantee	Project Name	State
OWEB 204-082	OWEB	Coos Watershed Integrated Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$52,610	$0	Southern Oregon Coastal

Project Description

This project proposes to apply OWEB's "monitoring Strategy for the Oregon Plan for Salmon and Watersheds" for both program effectiveness and project effectiveness in the Coos watershed. The key component of this project is to link the Oregon Coast status and trend monitoring conducted by ODFW at the 4th field HUC to assist in evaluating cumulative watershed restoration programs at the 6th and 7th field HUC levels and at the project level for some activities.

Project Ref	Grantee	Project Name	State
OWEB 204-086	OWEB	Lobster Cr Partnership & Thermal Reduction	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-OCT-03-30-OCT-04	Salmon Research, Monitoring, and Evaluation	$2,486	$0	Southern Oregon Coastal

Project Description

This project proposes to implement two of six objectives of the Lobster Creek Partnership, a collective of stakeholders and agencies and the local watershed council, interested in the Lobster Creek drainage. The activities include baseline data collection for reaches to be selected as part of the Lobster Creek watershed water quality management plan and cold water refugia mapping within identified salmonid critical production reaches. The results will be used to monitor changes in effective shade, to identify areas for habitat improvement and to explore upslope management options.

Project Ref	Grantee	Project Name	State
OWEB 204-116A	OWEB	Long Tom WS Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	25-SEP-03-30-JUN-05	Salmon Research, Monitoring, and Evaluation	$15,780	$0	Willamette

Project Description

This project will continue and refine the council's water quality monitoring program and implement a set of demonstration projects around the watershed. These projects include riparian restoration, instream wood placement, riparian fencing, off-channel watering establishment and restoring fish passage. OWEB funds would be used primarily for personnel, travel, contracted services, supplies, permits, outreach, and workshops.

Project Ref	Grantee	Project Name	State
OWEB 204-152	OWEB	Malheur Basin Water Quality Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	10-OCT-03-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$12,900	$0	Middle Snake-Boise

Project Description

Field collection and computer analysis of water samples with the Malheur watershed will be monitored. Three components of the monitoring are 30 monthly "grab" samples; 3 E. coli samples/month at 11 sites in Willow Creek, streamflow measurements taken 3 times/month at established sites. Total samples proposed are 31 different sites monthly. OWEB funds are requested for sampling contract (87%), reagent & supplies (3%), administration (9%). Cost-share partners include ODFW, NRCS, Malheur SWCD, OSU Extension, OSU Experiment Station, BLM, BOR and Malheur Watershed Council.

Project Ref	Grantee	Project Name	State
OWEB 204-923	OWEB	Riparian Inventory Methodology final editing PSK	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	25-FEB-04-15-JUL-04	Salmon Research, Monitoring, and Evaluation	$3,500	$0	Willamette

Project Description

Riparian inventory methodologh final editing

Project Ref	Grantee	Project Name	State
OWEB 204-926	OWEB	OSU North Coast Portal Prototype	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	20-APR-04-28-FEB-05	Salmon Research, Monitoring, and Evaluation	$145,000	$0	Willamette

Project Description

OSU North Coast Portal Prototype

Project Ref	Grantee	Project Name	State
OWEB 200-154A	OWEB	Powder Basin Water Quality Monitoring, 01-02	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	05-JAN-01-31-DEC-03	Salmon Research, Monitoring, and Evaluation	$18,796	$0	Middle Snake-Powder

Project Description

Same as 200-154. Change in fund source.

Project Ref	Grantee	Project Name	State
OWEB 201-068	OWEB	Mid-Coast Reference Reach Establishment & Survey	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	31-JUL-01-17-APR-03	Salmon Research, Monitoring, and Evaluation	$1,136	$0	Northern Oregon Coastal

Project Description

This project seeks to designate and survey the two best stream reaches on each of the five basins of the Midcoast Area and the Ocean Tributaries. The designation process will bring together data and experts to recommend site locations and proposed reference conditions. The survey will examine aquatic and riparian biodiversity in conjunction with physical condition and diversity to establish actual reference conditions. Photos, data and analysis of the sites will aid agency and citizen restoration and conservation.

Project Ref	Grantee	Project Name	State
OWEB 201-069	OWEB	Yachats Watershed Monitoring Group Water Quality Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	25-JUL-01-30-JAN-02	Salmon Research, Monitoring, and Evaluation	$3,092	$0	Northern Oregon Coastal

Project Description

This project is the second year of baseline monitoring in the Yachats Basin. It is a community based effort to obtain data useful for watershed restoration planning by the Mid-Coast Watersheds Council and the USFS. An experienced core of volunteers participate in biweekly testing throughout the summer months. Based on participation in the 2000 sampling season, an additional 25 area residents will participate on a drop-in basis throughout the sampling period.

Project Ref	Grantee	Project Name	State
OWEB 201-072	OWEB	Nestucca-Neskowin Watersheds Water Quality Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	05-JUL-01-11-JUL-03	Salmon Research, Monitoring, and Evaluation	$13,566	$0	Northern Oregon Coastal

Project Description

This project will allow the council to continue the water quality monitoring program for two years in the Nestucca and Neskowin Watersheds to determine trends and establish baseline conditions. In areas where ongoing monitoring has shown concerns in fecal coliform levels, data collected can be used to determine effectiveness of water quality management plans.

Project Ref	Grantee	Project Name	State
OWEB 201-073	OWEB	Mid-Coast Ocean Tributaries Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	31-JUL-01-30-APR-04	Salmon Research, Monitoring, and Evaluation	$63,220	$0	Northern Oregon Coastal

Project Description

The MidCoast Watersheds Council will fill a data gap concerning coho salmon, steelhead and searun cutthroat distribution in 50 small ocean tributaries that empty directly into the ocean. Historically, these ocean tributaries were natal streams to small populations of resident cutthroat as well as coho and steelhead. Presently, ODFW and the MCWC does not have an adequate understanding of the present status of presence, absence or availability of passage.

Project Ref	Grantee	Project Name	State
OWEB 201-116	OWEB	Illinois Valley WQ Monitoring Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	19-JUL-01-30-JUN-03	Salmon Research, Monitoring, and Evaluation	$21,964	$0	Southern Oregon Coastal

Project Description

This project is a separate effort from the completed project monitoring carried out by the district and the council. This project will monitor water quality indicators such as temperature, pH, conductivity, turbidity, flow and dissolved oxygen on private lands in the basin. This project will collect data to be compared to past information to identify water quality trends and basin restoration progress. This information will be used to guide future project efforts and identify any new areas of concern.

Project Ref	Grantee	Project Name	State
OWEB 201-118	OWEB	Private Road Inventory & Sediment Yield Analysis	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	10-JUL-01-15-AUG-03	Salmon Research, Monitoring, and Evaluation	$5,548	$0	Southern Oregon Coastal

Project Description

Survey private road systems in the East Fork sub-watershed of Williams Creek and assess for fish passage, potential sediment, erosion or mass failure problems. Channel substrate will be characterized in tributaries affected by or in close proximity to these private roads. These monitoring efforts will provide us with essential information necessary for prioritizing sediment reduction projects with private landowners; establishing permanent sediment monitoring stations and providing baseline data for sediment TMDL development. The final product will be a sediment reduction plan for the East Fork subwatershed.

Project Ref	Grantee	Project Name	State
OWEB 201-122	OWEB	Curry County Watersheds Monitoring Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-APR-04	Salmon Research, Monitoring, and Evaluation	$139,014	$0	Southern Oregon Coastal

Project Description

The South Coast/Lower Rogue Watershed Councils propose to pursue three components under the Monitoring Program: Water Quality, Road Inventory, and Project Effectiveness. The Water Quality component will expand the program's scope beyond water temperature monitoring to include the collection of baseline data on a number of water quality parameters. The Road Inventory component will continue to identify sediment sources within private road systems, and increase efforts in assisting landowners turn that information into repairs. The Project Effectiveness component will continue to evaluate the council's riparian planting and fencing, large wood placement projects, fish passage improvements, road stormproofing, and bank stabilization projects.

Project Ref	Grantee	Project Name	State
OWEB 201-154	OWEB	Marys River Water Quality Monitoring Project: Phase 1	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	16-JUL-01-26-FEB-03	Salmon Research, Monitoring, and Evaluation	$47,144	$0	Willamette

Project Description

This project is the first phase in development of the council's capacity for high quality, long-term water quality monitoring by 1) training long-term dedicated volunteers, 2) narrowing down areas where problems exist, and 3) strengthening our existing partnership with local agencies and advanced high school science classes.

Project Ref	Grantee	Project Name	State
OWEB 201-160	OWEB	McKenzie Watershed Macroinvertebrate Monitoring Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	30-JUL-01-05-FEB-03	Salmon Research, Monitoring, and Evaluation	$7,425	$0	Willamette

Project Description

The McKenzie Watershed Council, along with its federal partners, will train and assist local volunteers to monitor macroinvertebrates at eighteen site throughout the watershed. This baseline monitoring program is in its fourth year, of a four-year project. Upon completion of this year's data, a four-year baseline comprehensive report will be written. The macroinvertebrate monitoring program complements the Council's other monitoring programs, and will be used in developing a long-term Conservation Strategy.

Project Ref	Grantee	Project Name	State
OWEB 201-161	OWEB	Livestock nutrient and sediment monitoring for TMDL develop	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-SEP-01-21-JAN-03	Salmon Research, Monitoring, and Evaluation	$2,070	$0	Willamette

Project Description

Water quality monitoring for baseline data collection on Pedee Creek.

Project Ref	Grantee	Project Name	State
OWEB 201-162	OWEB	Mill Creek Water Quality Monitoring Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-AUG-01-01-MAR-02	Salmon Research, Monitoring, and Evaluation	$10,011	$0	Willamette

Project Description

Purchase and install water quality probes on Mill Creek behind N. Salem High School to supplement existing equipment and provide continuous high quality data. Also, purchase an E. coli testing system that can be used to test samples from all area watersheds. This equipment will be used to assess water quality and watershed function, particularly with respect to fish needs. The project will have a large student and community education focus.

Project Ref	Grantee	Project Name	State
OWEB 201-191	OWEB	South Fork Crooked River Aquatic Habitat Inventory	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	06-JUL-01-30-DEC-03	Salmon Research, Monitoring, and Evaluation	$16,304	$0	Deschutes

Project Description

The project involves conducting an Aquatic Habitat Inventory (AHI) on 20 miles of the South Fork of the Crooked River on both public (Bureau of Land Management) and private (Cold Springs and Coffelt Ranches) lands. This effort is complementary to a cooperative monitoring program being implemented by the Oregon Dept. of Fish and Wildlife and BLM. The objective of this monitoring project is to quantify current riparian and aquatic conditions and evaluate the impacts of current grazing management.

Project Ref	Grantee	Project Name	State
OWEB 201-221	OWEB	Walla Walla Water Quality Monitoring & TMDL Devel.	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	11-JUL-01-09-APR-03	Salmon Research, Monitoring, and Evaluation	$17,866	$0	Middle Columbia

Project Description

Implement a water quality monitoring program under the guidance of Oregon DEQ protocol. This monitoring program will support both the current Walla Walla Basin TMDL process (DEQ - to be completed Dec. 2001) as well as quantify the improvements in water quality conditions fostered by other ongoing projects. Temperature, stream flow, pH, dissolved osygen and macroinvertebrate sampling will be utilized to quantify improvements in the Walla Walla Basin.

Project Ref	Grantee	Project Name	State
OWEB 201-222	OWEB	John Day Basin Water Quality Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	13-JUL-01-31-DEC-03	Salmon Research, Monitoring, and Evaluation	$36,300	$0	John Day

Project Description

This project proposes to continue a water quality monitoring program for the North/Middle Forks and Mid-John Day. Landowners, managers, and agencies rely on credible water quality data upon which to base management plans and determine effectiveness of current programs. Credible, defensible data will be collected, processed, and stored using DEQ protocols. This program will continue the use of an existing common data repository formatting data from schools, agencies, and individuals into a common database.

Project Ref	Grantee	Project Name	State
OWEB 201-223	OWEB	Water Quality Monitoring for the Grande Ronde River Basin	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-NOV-01-30-JUN-03	Salmon Research, Monitoring, and Evaluation	$93,870	$0	Lower Snake

Project Description

The project will continue assessment of current water quality conditions, trends, and restoration/conservation project effectiveness. It will coordinate and improve data collection programs in the basin. This project will also inform landowners, operators, and other residents in the basin of water quality conditions and trends, and educate them in issues related to water quality. This project will continue a monitoring program previously supported by OWEB funds.

Project Ref	Grantee	Project Name	State
OWEB 201-224	OWEB	Biomonitoring of the Upper South Fork of the J.D. Basin	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	13-AUG-01-07-FEB-03	Salmon Research, Monitoring, and Evaluation	$5,659	$0	John Day

Project Description

This project will conduct the second year of biomonitoring on the upper South Fork of the John Day River and collect additional data on the upper basin water quality.

Project Ref	Grantee	Project Name	State
OWEB 201-304	OWEB	Lower Umpqua Basin Water Quality Monitoring Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-NOV-01-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$14,951	$0	Southern Oregon Coastal

Project Description

The applicant intends to initiate a water quality monitoring program to gather baseline data on water bodies within the District.

Project Ref	Grantee	Project Name	State
OWEB 201-321	OWEB	Molalla River Biomonitoring Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-OCT-01-03-JUN-02	Salmon Research, Monitoring, and Evaluation	$9,342	$0	Willamette

Project Description

This project will monitor macroinvertebrates, water quality, and physical habitat conditions at six established monitoring sites in the Molalla River watershed.

Project Ref	Grantee	Project Name	State
OWEB 201-367	OWEB	Water Quality Monitoring for the Malheur-Owyhee WS	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	29-OCT-01-30-AUG-03	Salmon Research, Monitoring, and Evaluation	$51,736	$0	Middle Snake-Boise

Project Description

This project proposes to implement a water quality monitoring program using DEQ protocols. This monitoring program will involve the field collection and analysis of water samples within the Malheur watershed.

Project Ref	Grantee	Project Name	State
OWEB 201-403	OWEB	PSC - IMST 01-03	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-02-APR-02	Salmon Research, Monitoring, and Evaluation	$0	$22,443	Oregon

Project Description

Independent Multidisciplinary Science Team support for Oregon.

Project Ref	Grantee	Project Name	State
OWEB 201-404	OWEB	IMST Research Facilitation	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	27-JUL-01-19-JUN-02	Salmon Research, Monitoring, and Evaluation	$0	$2,300	Oregon

Project Description

Stakeholder outreach for review of IMST of research priorities for the Oregon Plan.

Project Ref	Grantee	Project Name	State
OWEB 201-410	OWEB	Salmon-Drift Creek Watersheds Water Quality Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	24-JUN-02-31-DEC-03	Salmon Research, Monitoring, and Evaluation	$8,620	$0	Northern Oregon Coastal

Project Description

This proposal would fund baseline water quality monitoring on Drift Creek, a tributary of the Siletz River, and the tributaries of Devil's Lake in Lincoln County. Parameters measured would be temperature, dissolved oxygen, turbidity, conductivity and pH. Flow measurements would be taken at three of the stations and macroinvertebrate sampling would be conducted at each of the six sites. The majority of the funds requested from OWEB would be used for equipment and supplies. Roughly 35% of the total would be used for staff to coordinate the volunteer samplers, manage the lab and maintain the equipment.

Project Ref	Grantee	Project Name	State
OWEB 201-416	OWEB	MidCoast Evaluation & Restoration Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	21-FEB-02-26-MAR-03	Salmon Research, Monitoring, and Evaluation	$90,020	$0	Northern Oregon Coastal

Project Description

This project would fund two surveyors to continue a variety of assessment and monitoring activities including Aquatic Habitat Inventories, adult spawner surveys and restoration project monitoring in the mid coast area for one year. The data collected by this project would be used to better identify, prioritize and plan restoration activities in the Salmon, Siletz, Yaquina, Alsea and Yachats River watersheds. OWEB funds would be used to fund the two surveyors' wages and travel, to purchase project related supplies and for project administration.

Project Ref	Grantee	Project Name	State
OWEB 201-417	OWEB	Nestucca-Neskowin BioAssessment Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	13-FEB-02-31-OCT-04	Salmon Research, Monitoring, and Evaluation	$89,430	$0	Northern Oregon Coastal

Project Description

This project would fund two years of Rapid Bio-Assessment data collection in the Nestucca, Neskowin and Sand Lake watersheds. The data collected would be helpful to the council in determining potential restoration sites and activities. OWEB funds would be used to pay the contract services for the assessment as well as for the development of a GIS layer. Approximately 270 miles of stream would be surveyed each year.

Project Ref	Grantee	Project Name	State
OWEB 201-418	OWEB	MidCoast Rapid BioAssessment Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	24-JUN-02-31-OCT-03	Salmon Research, Monitoring, and Evaluation	$80,850	$0	Northern Oregon Coastal

Project Description

This application seeks to continue the Rapid Bio-Assessment (RBA) project in the mid-coast region. Approximately 375 miles of stream would be surveyed each year in this project, with the Siletz and Alsea River basins targeted in 2002 and the Yaquina and Salmon River basins in 2003. OWEB funds would be used for contractor wages, travel and integration of the data into GIS systems.

Project Ref	Grantee	Project Name	State
OWEB 201-438	OWEB	Grants Pass Water Quality Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Salmon Research, Monitoring, and Evaluation	$33,309	$0	Southern Oregon Coastal

Project Description

This project proposes to establish baseline water quality and flow data for the Rogue River and six of its tributaries in the Grants Pass area. Monitoring will fill an existing data need by characterizing current water quality conditions and by identifying potential pollutant source areas and trends in water quality. Data will be used to evaluate and prioritize projects including stream restoration, in compliance monitoring, to design storm water best management practices and evaluate watershed health.

Project Ref	Grantee	Project Name	State
OWEB 201-496	OWEB	Load Reductions & Effects of OP Pesticides on Steelhead in H	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-MAR-02-30-JUN-04	Salmon Research, Monitoring, and Evaluation	$128,480	$0	Middle Columbia

Project Description

This project will continue sampling for the presence of chlorpyrifos and azinphos methyl and other insecticides and establish testing for fish and macroinvertebrate physiological effect relationships. Testing programs the last three years indicated that salmonids are exposed to these chemicals. OWEB funds would be used for study costs, including lab work and field data collection.

Project Ref	Grantee	Project Name	State
OWEB 201-509	OWEB	Walla Walla River Hydrologic & Water Budget Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	07-MAR-02-30-MAR-04	Salmon Research, Monitoring, and Evaluation	$122,300	$0	Middle Columbia

Project Description

This project will create a surface water budget for use in practical water management decisions in the Walla Walla basin. The monitoring will be a gain-loss study along the mainstem of the Walla Walla with a focus on identification of recharge and discharge in the system. The project will include installation of flow gages, piezometers and static-well level and temperature recorders; surface-water seepage assessments; diversion inventory and measurement and development of a surface-water map. OWEB funds are requested for personnel, travel, mapping, equipment and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-550	OWEB	2001-03 IMST	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-17-AUG-03	Salmon Research, Monitoring, and Evaluation	$380,831	$0	Oregon

Project Description

Independent Multidisciplinary Science Team support for Oregon

Project Ref	Grantee	Project Name	State
OWEB 201-550A	OWEB	2001-03 IMST	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-17-AUG-03	Salmon Research, Monitoring, and Evaluation	$0	$377,557	Oregon

Project Description

Independent Multidisciplinary Science Team support for Oregon

Project Ref	Grantee	Project Name	State
OWEB 201-551	OWEB	ODFW Experimental Brood Stock Research	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	27-NOV-01-12-FEB-02	Salmon Research, Monitoring, and Evaluation	$0	$8,000	Oregon

Project Description

Brood Stock Research

Project Ref	Grantee	Project Name	State
OWEB 201-555	OWEB	OSU Sea Grant program-Research Acct	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-NOV-01-01-FEB-02	Salmon Research, Monitoring, and Evaluation	$0	$4,000	Oregon

Project Description

Selection process for the Willamette River Toxin Study.

Project Ref	Grantee	Project Name	State
OWEB 201-567	OWEB	Yachats Water Quality Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JUN-02-27-AUG-03	Salmon Research, Monitoring, and Evaluation	$6,113	$0	Northern Oregon Coastal

Project Description

This project seeks funding for an on-going water quality monitoring project on the Yachats River in southern Lincoln County. Following DEQ protocols, the volunteers will monitor dissolved oxygen, conductivity, turbidity, pH, E.Coli, flow, temperature and macroinvertebrates. OWEB funds would be used for coordination and lab management/maintenance as well as supplies, equipment and report production.

Project Ref	Grantee	Project Name	State
OWEB 201-625A	OWEB	Thompson's Mill Flow & Habitat Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	06-JUN-02-31-OCT-03	Salmon Research, Monitoring, and Evaluation	$10,600	$0	Willamette

Project Description

The City of Portland seeks funding to restore a 5.6-acre site along the confluence of Johnson Creek and Kelley Creek to improve salmonid habitat. Restoration includes restoring wetlands and off-channel habitat, planting native vegetation and providing opportunities for education and stewardship. OWEB funds would be used for project management, inspection, erosion/sediment control, channel/floodplain work, revegetation, design, permitting, and start-up/close-out costs.

Project Ref	Grantee	Project Name	State
OWEB 201-625B	OWEB	Thompson's Mill Flow & Habitat Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-31-OCT-03	Salmon Research, Monitoring, and Evaluation	$26,280	$0	Willamette

Project Description

The City of Portland seeks funding to restore a 5.6-acre site along the confluence of Johnson Creek and Kelley Creek to improve salmonid habitat. Restoration includes restoring wetlands and off-channel habitat, planting native vegetation and providing opportunities for education and stewardship. OWEB funds would be used for project management, inspection, erosion/sediment control, channel/floodplain work, revegetation, design, permitting, and start-up/close-out costs.

Project Ref	Grantee	Project Name	State
OWEB 201-657	OWEB	Temperature Assessment of Fifteenmile Creek	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	30-JUL-02-17-MAR-03	Salmon Research, Monitoring, and Evaluation	$29,500	$0	Deschutes

Project Description

Fifteenmile Creek is on the 303(d) list for exceeding temperature standards. This project would augment existing data with Forward Looking Infrared Radiometry (FLIR) to show areas of heat and cool water refugia to provide focus for restoration efforts.

Project Ref	Grantee	Project Name	State
OWEB 201-676	OWEB	Umatilla River Basin Sediment Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	13-JUN-02-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$51,786	$0	Middle Columbia

Project Description

The project will maintain and expand the current level of sediment monitoring across the basin and maintain the current stream discharge monitoring in the Wildhorse tributary watershed through September 2004. Wildhorse Creek has been identified as being a significant source of turbidity, nutrients and bacteria. This baseline monitoring effort supports the Umatilla Basin TMDL & Water Quality Management Plan Long-Term Monitoring Plan. OWEB funds are requested for gauge station operation (15%), lab analysis (27%) and portable samplers (50%).

Project Ref	Grantee	Project Name	State
OWEB 201-726	OWEB	OSU-Willamette River Toxin Study	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	11-MAR-02-30-JUN-04	Salmon Research, Monitoring, and Evaluation	$0	$492,459	Oregon

Project Description

Willamette River Toxin Study.

Project Ref	Grantee	Project Name	State
OWEB 201-732	OWEB	ODFW-Habitat & fish Population Monitoring	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-15-SEP-03	Salmon Research, Monitoring, and Evaluation	$2,307,263	$0	Oregon

Project Description

Habitat and fish population monitoring

Project Ref	Grantee	Project Name	State
OWEB 201-733	OWEB	ODF-Oregon Plan Monitoring & Data Collection	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	23-APR-02-28-OCT-03	Salmon Research, Monitoring, and Evaluation	$131,875	$0	Oregon

Project Description

Oregon Plan monitoring and data collection

Project Ref	Grantee	Project Name	State
OWEB 201-735	OWEB	ODFW-Habitat & fish Population Monitoring	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	29-MAY-02-15-SEP-03	Salmon Research, Monitoring, and Evaluation	$575,000	$0	Oregon

Project Description

Habitat and fish population monitoring

Project Ref	Grantee	Project Name	State
OWEB 201-739	OWEB	Hinkle Creek Research Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	13-JUN-02-30-OCT-03	Salmon Research, Monitoring, and Evaluation	$0	$251,000	Southern Oregon Coastal

Project Description

The Hinkle Creek research project is a paired watershed study. The project is located in watersheds that are managed under the Oregon Forest Practices Act. The purpose of the research is to evaluate the effects of current forest practices regulations on watershed functions.

Project Ref	Grantee	Project Name	State
OWEB 203-001	OWEB	Upper Nehalem Flow Management	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	17-DEC-02-30-DEC-04	Salmon Research, Monitoring, and Evaluation	$29,745	$0	Northern Oregon Coastal

Project Description

This project would construct and maintain a gauging station on Rock Creek in the Upper Nehalem River watershed. The station would measure stream flow and temperature and manage the City of Vernonia's municipal water right for the benefit of fish and wildlife. OWEB funds will be used for gauging station supplies, installation of the station, data logging equipment and two years of maintenance/monitoring.

Project Ref	Grantee	Project Name	State
OWEB 203-035	OWEB	Yamhill Basin Water Quality Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	19-NOV-02-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$17,715	$0	Willamette

Project Description

This proposal is to monitor macroinvertebrates, turbidity, DO, e-coli, pH and temperature to better understand the relative water quality along the length of selected drainages and sub-watersheds. The data will be used to prioritize council action items. OWEB funds are requested for personnel, travel, macroinvertebrate ID and analysis, supplies/materials, report production, equipment and administration

Project Ref	Grantee	Project Name	State
OWEB 203-063	OWEB	Optimizing Irrigation Water Management/Cherry Orchards	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-JAN-03-30-DEC-06	Salmon Research, Monitoring, and Evaluation	$80,000	$0	Deschutes

Project Description

This project would monitor water application and fruit production in sweet cherry trees in order to determine evapotransporation rates and irrigation water management. 9,999 acre feet of water is diverted from the Columbia River for the cherry orchards in The Dalles vicinity and it is widely assumed that most growers over irrigate. Irrigating orchards only as required will help reduce production costs, increase fruit quality and reduce the risk of agrochemicals leaking to the groundwater. OWEB funds would be used for personnel, equipment and travel expenses.

Project Ref	Grantee	Project Name	State
OWEB 203-085	OWEB	Snake River/Hells Canyon TMDL Ag Drain Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	18-OCT-02-30-SEP-04	Salmon Research, Monitoring, and Evaluation	$42,234	$0	Middle Snake-Boise

Project Description

Malheur County SWCD is proposing to monitor 22 agricultural drains which discharge directly into the Snake River and lack baseline data to ascertain pollutant loads. To address the local TMDL and water quality concerns, the parameters to be tested include nitrate, phosphorous, mercury, suspended solids, E. coli, pH and temperature. OWEB funds are requested for a water quality technician (85%), mileage/travel (11%) and overhead/administration (4%).

Project Ref	Grantee	Project Name	State
OWEB 203-086	OWEB	Walla Walla Water Quality Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	21-OCT-02-30-SEP-04	Salmon Research, Monitoring, and Evaluation	$28,128	$0	Middle Columbia

Project Description

Under the guidance of Oregon DEQ protocol, this water quality monitoring project will provide critical information for the ongoing assessment work in the Walla Walla Basin and will support TMDL development, CTUIR Feasibility Study, the Bi-State HCP, USFWS/Irrigation District agreement as well as collect critical baseline data for the Little Walla Walla River. Parameters to be measured include dissolved oxygen, pH, specific conductance, temperature, flow turbidity, as well as instream flow analysis and vegetative assessment. OWEB funds are requested for monitoring coordinator (82%), mileage (4%), equipment/supplies (5%) and administration.

Project Ref	Grantee	Project Name	State
OWEB 203-133	OWEB	Coquille WS Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	25-JUN-03-01-MAR-05	Salmon Research, Monitoring, and Evaluation	$93,036	$0	Southern Oregon Coastal

Project Description

The project proposes to conduct project effectiveness monitoring on all CWA (Coquille Watershed Association) Projects. This data will assist the association to design and plan more effective projects for the future. The CWA will complete project baseline and effectiveness monitoring on all CWA projects. Each project will be measured against its primary project objectives. Three main categories of projects will be examined following monitoring guidelines developed by the CWA monitoring team or through using existing accepted protocols.

Project Ref	Grantee	Project Name	State
OWEB 203-148	OWEB	Clackamas Fish Passage Barrier Assessment	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-03-30-JUN-05	Salmon Research, Monitoring, and Evaluation	$97,361	$0	Lower Columbia

Project Description

This project consists of compilation and analysis of existing fish passage information over the entire Clackamas Basin, assessing the deep, Eagle and Goose Creek subbasins using the model and methods refined in an earlier project, and partnering to update fish barrier information and field check, where needed, all priority barriers in order to complete a basin-wide prioritization. OWEB funds would be used primarily for contracted services for project management, GIS services, and a field crew.

Project Ref	Grantee	Project Name	State
OWEB 203-169	OWEB	Laurance Lake Reservoir Temperature Study	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	27-FEB-03-30-DEC-04	Salmon Research, Monitoring, and Evaluation	$34,430	$0	Middle Columbia

Project Description

This project would collect water temperature, flow, bathymetric, water quality and meteorological data at various sites to develop a computer model of the heat dynamics of the Laurance Lake reservoir in the Hood River Basin. The model will guide the management of the reservoir to reduce the heat discharge to Clear Branch Creek where there are ESA listed bull trout.

Project Ref	Grantee	Project Name	State
OWEB 203-227	OWEB	Instream Flow Measurement 2003/2004	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	06-NOV-03-30-SEP-05	Salmon Research, Monitoring, and Evaluation	$24,000	$0	Oregon

Project Description

Oregon Water Trust (OWT) seeks funds to purchase measurement equipment that will fill data gaps in streamflow regimes and facilitate monitoring of existing instream water rights to ensure proper regulation and compliance. Measurements will allow for better targeting and shaping of water right acquisitions, and will enhance the ability of OWT to test and evaluate split-season leasing as a viable tool for instream flow augmentation. OWEB funds will be used to purchase measurement equipment and to contract for technical assistance to ensure proper equipment siting and installation.

Project Ref	Grantee	Project Name	State
OWEB 203-901	OWEB	DEQ Voluntary Water Quality Monitoring position	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-OCT-02-09-SEP-03	Salmon Research, Monitoring, and Evaluation	$42,868	$0	Oregon

Project Description

Fund Voluntary Water Quality Monitoring position

Project Ref	Grantee	Project Name	State
OWEB 203-902	OWEB	ODFW non-pariel dam conservation hatchery research project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	04-NOV-02-15-OCT-03	Salmon Research, Monitoring, and Evaluation	$49,707	$0	Oregon

Project Description

Nonpariel dam conservation hatchery research project

Project Ref	Grantee	Project Name	State
OWEB 99-086A	OWEB	Poe Valley Monitoring Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	25-AUG-99-30-DEC-04	Salmon Research, Monitoring, and Evaluation	$44,560	$0	Klamath

Project Description

Same as 99-086. Change in fund source.

Project Ref	Grantee	Project Name	State
OWEB 99-124A	OWEB	Water Quality Monitoring-Nez Perce Tribe Property OR	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-99-30-JUN-01	Salmon Research, Monitoring, and Evaluation	$2,078	$0	Lower Snake

Project Description

Same as 99-124. Change in fund source.

Project Ref	Grantee	Project Name	State
OWEB 99-181A	OWEB	Wallowa Cnty Monitoring Coordinator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-99-30-JUN-03	Salmon Research, Monitoring, and Evaluation	$24,085	$0	Lower Snake

Project Description

Same as 99-181. Change in fund source.

Project Ref	Grantee	Project Name	State
OWEB 99-485B	OWEB	Stream Habitat & Water Quality in the Applegate	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-JAN-01-01-OCT-04	Salmon Research, Monitoring, and Evaluation	$124,722	$0	Southern Oregon Coastal

Project Description

Continue monitoring the physical, chemical and biological health of streams in the Applegate sub-basin, with a focus on sediment, flow and temperature impacts on salmonid habitat.

Project Ref	Grantee	Project Name	State
OWEB 200-018	OWEB	Mid-Coast Eval and Rest (MCWERP)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	08-FEB-01-13-MAY-02	Salmon Research, Monitoring, and Evaluation	$0	$92,211	Northern Oregon Coastal

Project Description

This grant would continue funding two experienced data collectors to continue Aquatic Habitat Inventory and Spawning Surveys during critical periods of the year.

Project Ref	Grantee	Project Name	State
OWEB 200-026	OWEB	Juvenile Salmoid Winter Dist	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	14-MAR-01-03-NOV-03	Salmon Research, Monitoring, and Evaluation	$52,541	$0	Northern Oregon Coastal

Project Description

To broaden our understanding of juvenile salmonid distribution (emphasis on Coho) by comparing winter distributions to known summer distributions (from the Rapid Bio-Assessment database). Subbasins will be snorkeled at night during winter flow regimes. Day snorkeling and mark/recapture population estimates will be conducted on a subsample of habitat units to calibrate the nocturnal methodology. This winter distribution database will help prioritize stream reaches for restoration activities.

Project Ref	Grantee	Project Name	State
OWEB 200-029	OWEB	Rogue Fish Presence Surveys On Forrest Lands	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	06-FEB-01-20-OCT-03	Salmon Research, Monitoring, and Evaluation	$48,547	$0	Southern Oregon Coastal

Project Description

Electrofishing surveys will be conducted on streams throughout the Rogue Basin to determine the presence of fish so that appropriate protection will be applied during forest management activities under the Oregon Forest Practices Act. Surveys will be conducted on streams where fish use is currently unknown. In addition, barriers encountered during these surveys will be identified; barrier information will be used to identify cooperative projects with landowners to improve fish access to underused habitat.

Project Ref	Grantee	Project Name	State
OWEB 200-031	OWEB	Little Butte Cr Bacteria Study	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-MAY-01-21-OCT-02	Salmon Research, Monitoring, and Evaluation	$9,257	$0	Southern Oregon Coastal

Project Description

The study will look at irrigation return flows and storm drains as potential contributors of bacteria to Little Butte Cr.

Project Ref	Grantee	Project Name	State
OWEB 200-032	OWEB	Estuarine Wetland Fish Monitoring- Final Phase	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	09-MAY-01-15-SEP-03	Salmon Research, Monitoring, and Evaluation	$139,284	$0	Southern Oregon Coastal

Project Description

This project monitors salmonid use and habitat development in restored and undisturbed upper estuarine wetlands (fresh/brackish water habitats). The requested funds will extend monitoring for a final 24 months and will include the characterization of coho behavior in lower estuarine wetlands (salt water habitats).

Project Ref	Grantee	Project Name	State
OWEB 200-082A	OWEB	Long Tom Monitoring Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	09-MAR-01-31-JUL-03	Salmon Research, Monitoring, and Evaluation	$119,678	$0	Willamette

Project Description

This project will: 1) continue and refine the council's water quality monitoring program; 2) implement a set of demonstration projects around the watershed to: a) restore a historic river segment on private land, b) widen an urban section of Amazon Creek and plant the riparian area; 3) enable the completion of plans for next round of projects; 4) initiate a process by which the Council ecologically prioritizes future restoration projects to build part of our Watershed Conservation Plan.

Project Ref	Grantee	Project Name	State
OWEB 200-083	OWEB	Albany Fish Survey	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAR-01-03-MAR-03	Salmon Research, Monitoring, and Evaluation	$14,370	$0	Willamette

Project Description

This project will fill a gap regarding fish species and distribution in the Albany area, allowing us to plan more effective protection and restoration strategies. We are particularly interested in identifying any use of the urban tributaries by threatened winter steelhead or spring chinook.

Project Ref	Grantee	Project Name	State
OWEB 200-087	OWEB	Student WS Research Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	16-FEB-01-29-AUG-02	Salmon Research, Monitoring, and Evaluation	$2,325	$0	Lower Columbia

Project Description

The Student Watershed Research Project (SWRP) will upgrade and maintain its watershed monitoring and education program in the Portland metropolitan area. SWRP will facilitate quality control, manage and share data, provide classroom and field assistance to participants, provide training to interested groups and individuals, and facilitate a public event showcasing student findings in local watersheds. SWRP will improve internet resources for volunteer monitoring and watershed studies, revised Riparian Vegetation Assessment parameters, and develop a revise edition of our Manual of Field and Lab Procedures.

Project Ref	Grantee	Project Name	State
OWEB 200-087A	OWEB	Student WS Research Project (Bal of 200-087)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	16-FEB-01-29-AUG-02	Salmon Research, Monitoring, and Evaluation	$53,678	$0	Lower Columbia

Project Description

The Student Watershed Research Project (SWRP) will upgrade and maintain its watershed monitoring and education program in the Portland metropolitan area. SWRP will facilitate quality control, manage and share data, provide classroom and field assistance to participants, provide training to interested groups and individuals, and facilitate a public event showcasing student findings in local watersheds. SWRP will improve internet resources for volunteer monitoring and watershed studies, revised Riparian Vegetation Assessment parameters, and develop a revise edition of our Manual of Field and Lab Procedures.

Project Ref	Grantee	Project Name	State
OWEB 200-126	OWEB	Trout and Sagebrush Creeks Gaging Stations	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	27-FEB-01-22-JAN-04	Salmon Research, Monitoring, and Evaluation	$9,944	$0	Deschutes

Project Description

We are seeking funds to continue to operate the two gauging stations installed by Oregon Water Resources Dept on Trout Creek and Sagebrush Creek for the next two years ending in Oct. 2002.

Project Ref	Grantee	Project Name	State
OWEB 200-127	OWEB	Upper Deschutes Water Quality Specialist	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	21-MAR-01-30-DEC-03	Salmon Research, Monitoring, and Evaluation	$55,836	$0	Deschutes

Project Description

This proposal requests two years of funding to hire a Water Quality Specialist in the Upper and Little Deschutes sub-basins. The Specialist will begin implementation of the framework for regional, coordinated monitoring in the Upper and Little Deschutes sub-basins and assist with the development of TMDL's in the same sub-basins. The regional program focuses on monitoring the status and trends of resource conditions, compliance with standards, and effectiveness of management activities.

Project Ref	Grantee	Project Name	State
OWEB 200-154	OWEB	Powder Basin Water Quality Monitoring, 01-02	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	05-JAN-01-31-DEC-03	Salmon Research, Monitoring, and Evaluation	$0	$18,854	Middle Snake-Powder

Project Description

The purpose of this project is to continue water quality baseline monitoring in the Powder Basin over a two year period. The Baker County Soil and Water Conservation Districts and other partner initiated a water quality monitoring project in 1995 and continued monitoring into 1996. Baseline water quality data was also collected in 1999 and 2000 to complement this data. However, this data is insufficient to accurately assess current water quality conditions within the basin. This project will augment data collected during the 1995/19996, 1999/2000 project and the 1997 fecal coliform data. It will continue coordinated water quality monitoring efforts in the basin.

Project Ref	Grantee	Project Name	State
OWEB 200-155	OWEB	Wallowa County Stream Flow Gaging Stations	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	04-SEP-01-23-JUL-03	Salmon Research, Monitoring, and Evaluation	$42,270	$0	Lower Snake

Project Description

This project will continue the operation of seven mainstem streams gages, three in the Lostine River, two in Bear Creek, and two in the Wallowa River. These gages are operated in conjunction with irrigation diversion gages located in the same streams to provide information on stream hydrographs, irrigation usage, and irrigation return flows.

Project Ref	Grantee	Project Name	State
OWEB 200-157	OWEB	Water Quality Monitoring Coordinator and Data Analyst	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	13-MAR-01-30-SEP-04	Salmon Research, Monitoring, and Evaluation	$83,365	$0	Middle Columbia

Project Description

To continue the position of Water Quality Monitoring Coordinator and Analyst to manage the implementation of the Long Term Monitoring Plan as identified in the Umatilla River Basin Total Maximum Daily Load and Water Quality Management Plan, 2000. Monitoring will focus on climate and flow, temperature, sediment and geomorphic assessment for the years of 2001-2003.

Project Ref	Grantee	Project Name	State
OWEB 200-159	OWEB	Walla Walla River Surface-Ground Water Dynamics Study	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	05-JAN-01-29-OCT-02	Salmon Research, Monitoring, and Evaluation	$59,620	$0	Middle Columbia

Project Description

This project would create a sound technical platform for further hydrologic investigations of the Walla Walla Watershed. It would compile all existing hydrogeologic information and using this information to produce a map of the shallow aquifer system. Also a gain-loss study conducted along the mainstem of the Walla Walla River would provide quantitative estimates of seasonal ground surface water exchange rates and use water quality parameters for establishing a chemical signature for the shallow aquifer system.

Project Ref	Grantee	Project Name	State
OWEB 200-160	OWEB	Walla Walla Trout & Summer Steelhead Radio Telemetry Monitor	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	05-JAN-01-30-DEC-03	Salmon Research, Monitoring, and Evaluation	$86,240	$0	Middle Columbia

Project Description

This project would expand the Umatilla River Bull Trout Radio Telemetry project into the Walla Walla River, and also provide critical information on summer steelhead spawning distribution in the Oregon portion of the Walla Walla River. Know seasonal distributions of these ESA listed "threatened" salmonid species will help guide restoration priorities throughout the basin.

Project Ref	Grantee	Project Name	State
OWEB 200-161	OWEB	Bully Creek WS Range Coordinator/Tech	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	14-FEB-01-13-JAN-03	Salmon Research, Monitoring, and Evaluation	$0	$26,395	Middle Snake-Boise

Project Description

Project will fund a coordinator/tech to help the resource management of local landowners, State and Federal agencies and public interest groups. This person will document changes in riparian vegetation and streambank conditions on public and private lands while pulling all partners to the table to improve the watershed and water quality.

Project Ref	Grantee	Project Name	State
OWEB 200-161A	OWEB	Bully Creek WS Range Coordinator/Tech	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	14-FEB-01-13-JAN-03	Salmon Research, Monitoring, and Evaluation	$0	$8,885	Middle Snake-Boise

Project Description

Same as 200-161. Change in fund source.

Project Ref	Grantee	Project Name	State
OWEB 200-901	OWEB	Williams Creek reimbursment for assessment copies	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	09-OCT-00-09-OCT-00	Salmon Research, Monitoring, and Evaluation	$891	$0	Southern Oregon Coastal

Project Description

Reimbursment for assessment copies

Project Ref	Grantee	Project Name	State
OWEB 201-090B	OWEB	Unname Creek No. 3 (Sutter Creek) Culvert & Stream Rest.	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	28-JUN-02-15-DEC-03	Salmon Research, Monitoring, and Evaluation	$10,000	$0	Willamette

Project Description

Improvements will be made to the culvert crossing and streambed on Honey Grove Road at Milepost 2.21 by replacing the existing culvert with an oversized arch culvert and restoring the streambed that has been scoured below the existing culvert. The project area will be replanted with native or other suitable vegetation to enhance the restoration of this area. This will provide fish passage to excellent habitat upstream

Project Ref	Grantee	Project Name	State
OWEB 99-173	OWEB	Grande Ronde Technical Engineering Assistance	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-99-30-JUN-03	Salmon Research, Monitoring, and Evaluation	$73,160	$0	Lower Snake

Project Description

The proposal requests partial funding for technical engineering support services for Grand Ronde Model Watershed Program habitat improvement projects. Services will be provided by an engineer employed through the Natural Resource Conservation Service. The NRCS is no longer is able to contribute in-kind technical engineering services to the GRMWP due to agency downsizing and cutbacks. Engineering support is needed for any construction work and all in-channel structural improvements. The NRCS proposes to fill a two year Term engineering position which will be equally funded by BPA and GWEB. Funds will cover salary, benefits, vehicle, computer and other expenses.

Project Ref	Grantee	Project Name	State
OWEB 99-224	OWEB	North Powder River/Anthony Creek Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-17-DEC-03	Salmon Research, Monitoring, and Evaluation	$26,000	$0	Middle Snake-Powder

Project Description

This project will help provide current data on water quantity and temperature in the North Powder/Anthony Creek sub-basin of the Powder Basin. The data collected will aid the Powder Basin Watershed Council in their development of an assessment of the North Powder River Watershed. Continuous monitoring of the water levels, air temperature and water temperature in the North Powder River and Anthony Creek will be accomplished. The monitoring data will greatly enhance the knowledge of how water quality relates to water quantity in these streams. Water quantity data will provide information to aid the Powder Valley Water Control District and the local Water Resources Department personnel in improved management of the available water including stored water that is beneficial to summer stream flows.

Project Ref	Grantee	Project Name	State
OWEB 99-249	OWEB	John Day River WS Streamflow Gaging Stations	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-09-NOV-00	Salmon Research, Monitoring, and Evaluation	$20,706	$0	John Day

Project Description

Due to recent cost cutting at the federal level, four streamflow gauging stations within the John Day River basin are in jeopardy of being discontinued. This proposal seeks funding to split the cost of operating these stations with the U.S. Geological Survey.

Project Ref	Grantee	Project Name	State
OWEB 99-278	OWEB	Fairview Cr/Columbia Slough TMDL Monitoring and Educ	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	20-NOV-00-05-SEP-02	Salmon Research, Monitoring, and Evaluation	$67,009	$0	Lower Columbia

Project Description

This project will collect baseline data to assess pollutant sources and loadings for compliance with the Columbia Slough TMDL. Both instream and outfall monitoring data will be collected utilizing accepted quality assurance/quality control protocols. Data will be used to augment existing data, isolate problem drainages, and identify source controls and best management practices. Biological monitoring will be used along displayed in several educational formats. A Fairview Creek Watershed Celebration Day will highlight the results and raise community awareness of conditions that impact the watersheds health.

Project Ref	Grantee	Project Name	State
OWEB 99-416	OWEB	Siuslaw Volunteer Est. Monitoring Initiation	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-15-JAN-03	Salmon Research, Monitoring, and Evaluation	$10,672	$0	Northern Oregon Coastal

Project Description

The Siuslaw estuary has had a notable lack of long term, continuous monitoring in the past 30 years. Because of this, there are many unknown factors that make it difficult to plan and carry out projects in the estuary which will be vital to salmon restoration and protection efforts. The estuary is located mainly in the Florence area, which is the most densely populated and urbanized area of the watershed. Therefore, water quality issues are also of great concern. Volunteers who are well trained and supervised can gather continuous, long-term, accurate data. These volunteers are also a source of public support for and education about water quality/salmon restoration efforts. This project proposes to contract a qualified individual to conduct start-up activities: Initiate a public awareness campaign; recruit and train volunteers; gather existing data; and seek long-term funding and support for the project from public and private sources so that the project can continue for at least three years.

Project Ref	Grantee	Project Name	State
OWEB 99-444	OWEB	Tillamook Cnty Prfrmnce Prtnrshp Env Mon Prog	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-09-APR-03	Salmon Research, Monitoring, and Evaluation	$125,235	$0	Northern Oregon Coastal

Project Description

Fund a two-year monitoring project in the Tillamook Bay Watershed to assess salmonid recovery efforts and track baseline environmental quality levels.

Project Ref	Grantee	Project Name	State
OWEB 99-458	OWEB	Juv Salmonid Survival in Specfc Areas of the Nehalem Wtrshed	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-SEP-00-18-DEC-01	Salmon Research, Monitoring, and Evaluation	$128,161	$0	Northern Oregon Coastal

Project Description

Assess and research the condition and survival of wild coho salmon smolts in the lower Nehalem River and near-shore ocean environment to understand spatially explicit sources of mortality.

Project Ref	Grantee	Project Name	State
OWEB 99-463	OWEB	Coquille Watershed Association Monitoring Proj	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-13-NOV-02	Salmon Research, Monitoring, and Evaluation	$28,049	$0	Southern Oregon Coastal

Project Description

Fund pre-project and post-project monitoring of the Coquille Watershed Association's instream and riparian projects using volunteers and high school students.

Project Ref	Grantee	Project Name	State
OWEB 99-469	OWEB	Coos WS Monitoring 2001-03	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-31-DEC-03	Salmon Research, Monitoring, and Evaluation	$57,552	$0	Southern Oregon Coastal

Project Description

Fund the ongoing monitoring of project implementation and effectiveness for restoration projects in the Coos River Basin.

Project Ref	Grantee	Project Name	State
OWEB 99-485	OWEB	Non-Capital funds transferred to 99-485A/B	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JAN-01-01-OCT-04	Salmon Research, Monitoring, and Evaluation	$0	$0	Southern Oregon Coastal

Project Description

Continue monitoring the physical, chemical and biological health of streams in the Applegate sub-basin, with a focus on sediment, flow and temperature impacts on salmonid habitat.

Project Ref	Grantee	Project Name	State
OWEB 99-485A	OWEB	Stream Habitat & Water Quality in the Applegate	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JAN-01-01-OCT-04	Salmon Research, Monitoring, and Evaluation	$44,025	$0	Southern Oregon Coastal

Project Description

Continue monitoring the physical, chemical and biological health of streams in the Applegate sub-basin, with a focus on sediment, flow and temperature impacts on salmonid habitat.

Project Ref	Grantee	Project Name	State
OWEB 99-497	OWEB	Umpqua Stream Temperature Characterization 2000	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-17-OCT-01	Salmon Research, Monitoring, and Evaluation	$14,630	$0	Southern Oregon Coastal

Project Description

Monitor stream temperatures in approximately 900 square miles of the Umpqua Basin using 90 Umpqua Basin Watershed Council monitoring sites to assist in the development of water quality management plans.

Project Ref	Grantee	Project Name	State
OWEB 99-576	OWEB	Baker Valley Soil Mosture Mntrng & Irrigation Wtr Cons Proj	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-18-OCT-02	Salmon Research, Monitoring, and Evaluation	$0	$7,308	Middle Snake-Powder

Project Description

Install Watermark sensors in 6 test fields to compile information on soil moisture in the Powder Basin Watershed. The goal of this project is to improve irrigation efficiency and prevent nitrates from leaching into groundwater.

Project Ref	Grantee	Project Name	State
OWEB 99-576A	OWEB	Baker Valley Soil Mosture Mntrng & Irrigation Wtr Cons Proj	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	30-JUN-00-18-OCT-02	Salmon Research, Monitoring, and Evaluation	$0	$812	Middle Snake-Powder

Project Description

Same as 99-576. Change in fund source.

Project Ref	Grantee	Project Name	State
OWEB 99-586	OWEB	Bioassessment of Restoration Activities and Best Management	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-22-JUN-01	Salmon Research, Monitoring, and Evaluation	$6,268	$0	John Day

Project Description

Monitor and assess the effectiveness of the Upper South Fork of the John Day Restoration Project.

Project Ref	Grantee	Project Name	State
OWEB 99-593	OWEB	Wallowa County Stream Flow Gaging Stations	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-08-APR-02	Salmon Research, Monitoring, and Evaluation	$20,000	$0	Lower Snake

Project Description

This project will continue the operation of seven stream gauging stations in the Lostine River, Bear Creek, and the Wallowa River. These gages provide information on stream hydrographs, irrigation usage, and irrigation return flows.

Project Ref	Grantee	Project Name	State
OWEB 99-611	OWEB	John Day Basin Water Quality Coordinator Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-27-NOV-02	Salmon Research, Monitoring, and Evaluation	$32,000	$0	John Day

Project Description

Fund coordinator position to gather baseline data on water quality in the John Day Basin in order to assess effectiveness of restoration and enhancement projects in the future. EPA and DEQ protocols will be used.

Project Ref	Grantee	Project Name	State
OWEB 99-616	OWEB	Ontario Water Quality Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-05-MAR-03	Salmon Research, Monitoring, and Evaluation	$0	$24,191	Middle Snake-Boise

Project Description

Fund water quality monitoring by the City of Ontario as part of its stormwater management plan.

Project Ref	Grantee	Project Name	State
OWEB 99-797	OWEB	IMST - Interagency Agreement	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	19-APR-00-30-JUN-01	Salmon Research, Monitoring, and Evaluation	$0	$304,140	Oregon

Project Description

Independent Multidisciplinary Science Team (IMST) support for Oregon Plan for Salmon and Watersheds.

Project Ref	Grantee	Project Name	State
OWEB 99-798	OWEB	99-01 IMST PSC # 2	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	27-APR-00-30-AUG-01	Salmon Research, Monitoring, and Evaluation	$0	$50,702	Oregon

Project Description

IMST support (Jim Lichatowich).

Project Ref	Grantee	Project Name	State
OWEB 99-799	OWEB	99-01 IMST PSC # 1	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	12-OCT-99-28-FEB-00	Salmon Research, Monitoring, and Evaluation	$0	$10,782	Oregon

Project Description

IMST support (Jim Lichatowich).

Project Ref	Grantee	Project Name	State
OWEB 99-805	OWEB	IMST - Interagency Agreement (Balance of 99-797)	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	19-APR-00-30-JUN-01	Salmon Research, Monitoring, and Evaluation	$356,507	$0	Oregon

Project Description

Independent Multidisciplinary Science Team support for Oregon Plan for Salmon and Watersheds.

Project Ref	Grantee	Project Name	State
OWEB 99-805A	OWEB	IMST - Interagency Agreement (Balance of 99-805)	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	19-APR-00-30-JUN-01	Salmon Research, Monitoring, and Evaluation	$0	$33,514	Oregon

Project Description

Independent Multidisciplinary Science Team support for Oregon Plan for Salmon and Watersheds.

Project Ref	Grantee	Project Name	State
OWEB 99-806	OWEB	Interagency for Use Attainablity Analysis	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JAN-00-04-JAN-02	Salmon Research, Monitoring, and Evaluation	$102,368	$0	Oregon

Project Description

Use Attainability Analysis of stream temperature and fish needs.

Project Ref	Grantee	Project Name	State
OWEB 99-807	OWEB	Purchase of Monitoring Equipment	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	26-JUN-00-30-JUL-02	Salmon Research, Monitoring, and Evaluation	$88,000	$0	Oregon

Project Description

Purchase water quality and habitat monitoring equipment and supplies for use by watershed councils, SWCD's and others.

Project Ref	Grantee	Project Name	State
OWEB 99-902A	OWEB	Ecosystem Workforce Program - U of O	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-17-JUL-02	Salmon Research, Monitoring, and Evaluation	$800	$0	Oregon

Project Description

Ecosystem Workforce.

Project Ref	Grantee	Project Name	State
KRITFWC - Yuro	KRITFWC Yurok Tribe	Blue Creek Adult Salmonid Snorkle Surveys	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-SEP-03-01-MAY-02	Salmon Research, Monitoring, and Evaluation	$40,000	$0	Klamath

Project Description

Assess adult salmonid escapement to Blue Creek. Conducted weekly snorkle surveys in Blue Creek during the fall Chinook and Coho runs and monthly surveys during the steelhead runs as water conditions allowed

Project Ref	Grantee	Project Name	State
KRITFWC - Yuro	KRITFWC Yurok Tribe	Flow Study activity in the Klamath River	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-FEB-03-01-OCT-02	Salmon Research, Monitoring, and Evaluation	$115,000	$0	Klamath

Project Description

Continue long-term flow study efforts for the Klamath River. Conducted several projects for the Klamath River long-term flow studay project, such as : collection of fry density and emigration movements for Salmod fry stranding assessment, fish killmonitoring, and thermal refugia monitoring

Project Ref	Grantee	Project Name	State
KRITFWC - Yuro	KRITFWC Yurok Tribe	Water Quality Discharge Monitoring Station in Terwer Creek	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-JAN-03-01-SEP-02	Salmon Research, Monitoring, and Evaluation	$10,004	$0	Klamath

Project Description

Establish stream and discharge monitoring in Terwer Creek. Constructed a continuously recording stream discharge and water quality monitoring station in Terwer Creek

Project Ref	Grantee	Project Name	State
KRITFWC - Yuro	KRITFWC Yurok Tribe	Use of Thermal Refugia by adult salmonids in the Klamath River	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-FEB-03-01-SEP-02	Salmon Research, Monitoring, and Evaluation	$24,996	$0	Klamath

Project Description

Asses the use of thermal refugia by spring chinook. Used radio tags to monitor movements and use of holding habitat by spring run Chinook

Project Ref	Grantee	Project Name	State
KRITFWC - Yuro	KRITFWC Yurok Tribe	Terwer Creek Adult Snorkel Surveys and Outmigrant Trapping	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-FEB-03-01-MAY-02	Salmon Research, Monitoring, and Evaluation	$30,000	$0	Klamath

Project Description

Assess adult and juvenile abundance, distribution, and run timing in Terwer Creek. Conducted monthly snorkel surveys to monitor adult steelhead abundance and distribution and juvenile salmonid emigration

Project Ref	Grantee	Project Name	State
2003-3-02	CRITFC Warm Springs Tribes	Fish Production Assessment on the Warm Springs Reservation III	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-NOV-03-31-DEC-05	Salmon Research, Monitoring, and Evaluation	$212,507	$0	Deschutes

Project Description

Many species of anadromous and resident fish occur throughout the streams of the Warm Springs Reservation. Two of the major tributary drainages in the Deschutes River Basin, Warm Springs River and Shitike Creek, exist almost entirely within the boundaries of the Warm Springs Reservation. Much of the natural production of spring Chinook salmon and steelhead, the primary target species in Tribal subsistance and sport fisheries in the basin, occurs in those waters. Additionally, the Warm Springs National Fish Hatchery produces up to three quarters of a million spring Chinook smolts annually to supplement natural production and to provide fish for harvest. Beginning in 2000, excess returning hatchery spring Chinook adults have been outplanted into Shitike Creek to supplement spawning escapement. Ongoing assessment and expanded monitoring of these programs are the primary activities to be completed for this project.

Project Ref	Grantee	Project Name	State
2003-3-03	CRITFC Warm Springs Tribes	A Mark-Recapture Experiment to Improve the Escapement Estimate of Fal	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-NOV-03-31-DEC-05	Salmon Research, Monitoring, and Evaluation	$130,093	$0	Deschutes

Project Description

Two mark-recapture experiments will be conducted simultaneously in the Deschutes River during the fall/winter 2005. In the first, PSC base funding will be used to conduct a mark-recapture experiment to estimate the escapement of fall chinook above Sherar's falls. In that experiment, fish are marked at Sherar's falls (Rkm 71) and recaptured during carcass surveys above the falls and at the Pelton trap (Rkm 160). In the second, funding from the PCSRF will be used to perform a mark-recapture experiment to estimate abundance of fall chinook salmon in the entire Deschutes River.

Project Ref	Grantee	Project Name	State
2002-3-05	CRITFC Warm Springs Tribes	Deschutes River Fall Chinook Salmon Coded Wire Tagging Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-DEC-02-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$158,600	$0	Deschutes

Project Description

The objective of this research project is to mark and coded-wire tag (CWT) a minimum of 40,000 Deschutes River juvenile fall chinook salmon from the 2003 brood year during the spring of 2004. Deschutes River fall chinook salmon are part of the Columbia River up-river bright stock. They are a PSC indicator stock.

Project Ref	Grantee	Project Name	State
2001-3-01	CRITFC Warm Springs Tribes	Aerial Thermal Infrared and Color Videography of Anadromous Streams o	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-01-01-AUG-01	Salmon Research, Monitoring, and Evaluation	$32,283	$0	Deschutes

Project Description

FLIR (forward looking infrared) technology is proven to be a highly portable and cost effective method to collect detailed data over large areas in a short time period. The combination of temporally and spatially continuous data provides a useful tool for understanding the dynamics of stream temperature across a watershed. The information will be used to identify areas on the Warm Springs Reservation that my require restoration and to provide additional protection for areas that are providing cold water.

Project Ref	Grantee	Project Name	State
117001	NWIFC Upper Skagit Tribe	Skagit River Salmon Stock Run Composition Data Collection	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-31-MAR-05	Salmon Research, Monitoring, and Evaluation	$56,774	$0	Puget Sound

Project Description

This project is designed to address the need for the collection of Skagit salmon run composition data. This project will assist the tribe in the evaluation of the 2003 runs of Coho and Chinook as well as future returns. Data collected will include hatchery/wild identification, sex composition, year class, fork lengths and otolith collection.

Project Ref	Grantee	Project Name	State
117003	NWIFC Upper Skagit Tribe	Harvest Restriction Compliance on Skagit Watershed	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-31-MAR-05	Salmon Research, Monitoring, and Evaluation	$54,214	$0	Puget Sound

Project Description

This project will provide additional law enforcement for the protection of listed species spawners through out the spawning period in the Skagit & Samish Watersheds. Additional benefits to include outreach and education to tribal fishers and the general public.

Project Ref	Grantee	Project Name	State
113000	NWIFC Tulalip Tribe	Tulalip Tribes Juvenile Fish Trapping Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$83,106	$0	Puget Sound

Project Description

To improve the effectiveness of habitat, harvest, and hatchery management the Tulalip Tribes propose to implement a monitoring project to quantify juvenile Chinook and Coho abundance and freshwater survival within the Skykomish and Snoqualmie rivers. This project will fill an important data gap for the Snohomish system (Snohomish Basin Salmonid Recovery Technical Committee, 1999). Harvest management modeling and forecasting can be improved significantly with estimates of juvenile production and survival. It provides basic information on the system¿s potential productivity. It provides the necessary information for managers to set a functional target appropriate to the watershed (wild and hatchery). In addition, and possibly more importantly the information generated by this project will provide essential information for monitoring and evaluation of all recovery actions in the basin, information critical to adaptive management. In addition, the Tulalip Tribes will partner with the National Marine Fisheries Service to study juvenile salmon utilization, abundance, distribution, timing and interactions with hatchery fish in the Snohomish River estuary. Sites distributed in in three ecozones will be sampled systematically, using beach seining and fyke trapping methods. Data collected as part of this project has implications to where restoration should take place in the estuary, it evaluates an ecological zone that have been suggested to be limiting production, and data from the project will likely have an influence on hatchery management in the Snohomish River area.

Project Ref	Grantee	Project Name	State
113003	NWIFC Tulalip Tribe	Tulalip Reservation Water Quality Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$35,507	$0	Washington

Project Description

The Tulalip Tribes are continuing a water quality research and monitoring study of Tulalip, Battle, Quilceda Creeks and Tulalip Bay. The monitoring program covers the portions of the systems, which are within the Tulalip Reservation boundaries. The purpose of this study is to identify any water quality problems that may negatively affect both natural and hatchery salmon production. If any potential problems are identified, the tribes will try to identify the source and work with the appropriate landowners to try and solve the problems. With Chinook listed under the Endangered Species Act and other salmon species being proposed for listing, maintaining good water quality for salmon production has become essential. Maintaining water quality for hatchery production is also becoming more important. Hatchery production can be used to restock streams that used to have salmon. As these streams are reopened for fish passage and habitat problems are fixed, these streams can be restocked with the aid of hatcheries and natural production.

Project Ref	Grantee	Project Name	State
100102	NWIFC Tulalip Tribe	Development of Chinook and Coho Salmon Recovery Strategies for the Sti	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Salmon Research, Monitoring, and Evaluation	$204,582	$0	Puget Sound

Project Description

Recovery plans will include historical resource status; current resource status; recovery goals expressed in terms of abundance, productivity, and diversity; harvest management, artificial production, and habitat actions needed to achieve the goals; and a monitoring and evaluation program to measure progress towards the goals and to allow for adaptive management as more is learned.

Project Ref	Grantee	Project Name	State
100108	NWIFC Tulalip Tribe	Tulalip Reservation Water Quality Monitoring	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Salmon Research, Monitoring, and Evaluation	$76,722	$0	Puget Sound

Project Description

The Tulalip Tribe is conducting a water quality research and monitoring study of Tulalip, Battle, and Quilceda Creeks. The monitoring program covers the portions of the systems which are within the Tulalip Reservation boundaries. If any potential problems are identified, the tribes will try to identify the source and work with the appropriate landowners to try and solve the problems. Most of the samples will be processed by the Tulalip Water Quality Lab, however, some of the samples will be processed at a commercial lab to check for pollutants which the Tulalip Lab is not set up to check for and to periodically compare with samples processed at Tulalip as an accuracy check. The Tulalip Tribes monitored water quality at twenty-three sites throughout the Tulalip Reservation, including sites in Tulalip Creek, Battle Creek, Quilceda Creek, and Tulalip Bay. Monitoring was conducted on a monthly basis and as randomly as possible.

Project Ref	Grantee	Project Name	State
100111	NWIFC Tulalip Tribe	Tulalip Juvenile Fish Trapping Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Salmon Research, Monitoring, and Evaluation	$71,931	$0	Puget Sound

Project Description

To obtain production and survival estimates, a rotary screw fish trap will be installed at a location within the lower Skykomish River. The trap will be operated from February through June, during the juvenile outmigration period. The trap will be fished five days a week, principally at night for 12 hour periods. Fish will be counted daily at the traps. Each fish will be examined for marks (both adipose clips and temporary ink marks applied as part of this project). A random sample of the catch each day will be measured. Juvenile abundance will be estimated using mark and recapture methods and freshwater survival will be estimated using a combination of juvenile abundance information and Washington Department of Fish and Wildlife's escapement information.

Project Ref	Grantee	Project Name	State
100101	NWIFC Tulalip Tribe	Development of Chinook and Coho Salmon Recovery Strategies for the Sti	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$203,454	$0	Puget Sound

Project Description

Recovery plans will include historical resource status; current resource status; recovery goals expressed in terms of abundance, productivity, and diversity; harvest management, artificial production, and habitat actions needed to achieve the goals; and a monitoring and evaluation program to measure progress towards the goals and to allow for adaptive management as more is learned.

Project Ref	Grantee	Project Name	State
100107	NWIFC Tulalip Tribe	Tulalip Reservation Water Quality Monitoring	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$23,767	$0	Puget Sound

Project Description

The Tulalip Tribe is conducting a water quality research and monitoring study of Tulalip, Battle, and Quilceda Creeks. The monitoring program covers the portions of the systems which are within the Tulalip Reservation boundaries. If any potential problems are identified, the tribes will try to identify the source and work with the appropriate landowners to try and solve the problems. Most of the samples will be processed by the Tulalip Water Quality Lab, however, some of the samples will be processed at a commercial lab to check for pollutants which the Tulalip Lab is not set up to check for and to periodically compare with samples processed at Tulalip as an accuracy check. The Tulalip Tribes monitored water quality at twenty-three sites throughout the Tulalip Reservation, including sites in Tulalip Creek, Battle Creek, Quilceda Creek, and Tulalip Bay. Monitoring was conducted on a monthly basis and as randomly as possible.

Project Ref	Grantee	Project Name	State
100110	NWIFC Tulalip Tribe	Tulalip Juvenile Fish Trapping Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$23,584	$0	Puget Sound

Project Description

To obtain production and survival estimates, a rotary screw fish trap will be installed at a location within the lower Skykomish River. The trap will be operated from February through June, during the juvenile outmigration period. The trap will be fished five days a week, principally at night for 12 hour periods. Fish will be counted daily at the traps. Each fish will be examined for marks (both adipose clips and temporary ink marks applied as part of this project). A random sample of the catch each day will be measured. Juvenile abundance will be estimated using mark and recapture methods and freshwater survival will be estimated using a combination of juvenile abundance information and Washington Department of Fish and Wildlife's escapement information.

Project Ref	Grantee	Project Name	State
100100	NWIFC Tulalip Tribe	Development of Chinook and Coho Salmon Recovery Strategies for the Sti	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-00-30-SEP-01	Salmon Research, Monitoring, and Evaluation	$52,472	$0	Puget Sound

Project Description

Recovery plans will include historical resource status; current resource status; recovery goals expressed in terms of abundance, productivity, and diversity; harvest management, artificial production, and habitat actions needed to achieve the goals; and a monitoring and evaluation program to measure progress towards the goals and to allow for adaptive management as more is learned.

Project Ref	Grantee	Project Name	State
100106	NWIFC Tulalip Tribe	Tulalip Reservation Water Quality Monitoring	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-00-30-SEP-01	Salmon Research, Monitoring, and Evaluation	$56,888	$0	Puget Sound

Project Description

The Tulalip Tribe is conducting a water quality research and monitoring study of Tulalip, Battle, and Quilceda Creeks. The monitoring program covers the portions of the systems which are within the Tulalip Reservation boundaries. If any potential problems are identified, the tribes will try to identify the source and work with the appropriate landowners to try and solve the problems. Most of the samples will be processed by the Tulalip Water Quality Lab, however, some of the samples will be processed at a commercial lab to check for pollutants which the Tulalip Lab is not set up to check for and to periodically compare with samples processed at Tulalip as an accuracy check. The Tulalip Tribes monitored water quality at twenty-three sites throughout the Tulalip Reservation, including sites in Tulalip Creek, Battle Creek, Quilceda Creek, and Tulalip Bay. Monitoring was conducted on a monthly basis and as randomly as possible.

Project Ref	Grantee	Project Name	State
100109	NWIFC Tulalip Tribe	Tulalip Juvenile Fish Trapping Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-00-30-SEP-01	Salmon Research, Monitoring, and Evaluation	$59,130	$0	Puget Sound

Project Description

To obtain production and survival estimates, a rotary screw fish trap will be installed at a location within the lower Skykomish River. The trap will be operated from February through June, during the juvenile outmigration period. The trap will be fished five days a week, principally at night for 12 hour periods. Fish will be counted daily at the traps. Each fish will be examined for marks (both adipose clips and temporary ink marks applied as part of this project). A random sample of the catch each day will be measured. Juvenile abundance will be estimated using mark and recapture methods and freshwater survival will be estimated using a combination of juvenile abundance information and Washington Department of Fish and Wildlife's escapement information.

Project Ref	Grantee	Project Name	State
116001	NWIFC Swinomish Tribe	Swinomish ESA Enforcement	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-SEP-04	Salmon Research, Monitoring, and Evaluation	$30,000	$0	Washington

Project Description

This project will also provide protection for the listed species through a strong enforcement patrol presence during periods when the Chinook are present in spawning areas and will provide monitoring of ESA related Chinook harvest restrictions during the fisheries.

Project Ref	Grantee	Project Name	State
107002	NWIFC Suquamish Tribe	Gorst Creek Chinook Salmon Mass Marking, Adult Counting Wei,r and Juv	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-04	Salmon Research, Monitoring, and Evaluation	$62,144	$0	Puget Sound

Project Description

The Suquamish Tribe will continue this multiyear study during FY 2003. The Tribe will modify a fisheries research barge to aid in the recovery of adult chinook salmon to recover coded wire tags accurately enumerate the mass marked/no marked salmon released from the Gorst Creek Rearing Ponds and raceways.

The Suquamish Tribe established Grovers Creek Salmon Hatchery on Miller Bay in 1978 to restore Tribal treaty chinook fishing near the Port Madison Indian Reservation. No terminal fishery occurs on this hatchery broodstock, rather the Tribe established three satellite rearing facilities feeding into Liberty Bay, Dyes Inlet, and Sinclair Inlet to provide for a terminal chinook harvest. No naturally spawning chinook runs were observed in East Kitsap streams before the Tribal chinook enhancement program was established. Among the guiding principles of this program was that the chinook program must not interfere with existing natural production (coho, chum, cutthroat, or steelhead), or the Tribe¿s efforts to restore these salmon populations to the fullest extent possible. Gorst Creek is the largest single freshwater production facility with annual releases of 2 million zero aged chinook and 150,000 yearling chinook. As noted in project (1) above, Gorst Creek is located near Bremerton in East Kitsap County on the west side of central Puget Sound.

The extensive coded wire tag database on Grovers Creek chinook is not adequate to address the potential impacts of the Gorst program under ESA. Now that the Puget Sound chinook evolutionarily significant unit (esu) is listed as threatened by NOOA-Fisheries, the Tribe wishes to insure that Gorst artificial production (HOR¿s) does not impede the ESU recovery effort. Further, the Tribe wants to determine to what extent those naturally spawning hatchery chinook in Gorst Creek contribute to natural origin recruits (NOR¿s).

The SRC and Salmon Enhancement Biologist (SEB) have overseen significant Gorst program modifications. First, all chinook will continue to be mass marked to identify the HOR¿s, both instream, in the estuary, and in future fisheries. Second, the SEB will direct the downstream outmigrant smolt trap from January through July of 2004 and upstream adult counting weir August thru October of 2003. Third, the SRC and SEB will sample index areas of Gorst Creek to assess salmonid population growth and changes in abundance. Fourth, the SRC and other Tribal technicians will participate in East Kitsap beach seining studies throughout 2003 and 2004 to evaluate the interaction of hatchery and natural (unclipped) fall chinook by their condition factors, fish health, and relative growth and abundance.

Project Ref	Grantee	Project Name	State
107003	NWIFC Suquamish Tribe	Bainbridge Island Nearshore Assessment and Beach Seining Study	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-04	Salmon Research, Monitoring, and Evaluation	$73,948	$0	Puget Sound

Project Description

This project is an on-going effort from previous years. Funding for FY 2003 is necessary to complete the Nearshore Assessment and add to the substantial beach seine database that has been accumulated over the past two years.

This project rated the second highest priority for estuarine restoration by the East Kitsap WRIA-15 SRFB TAC in 2000. The project includes a compilation of Best Available Science (BSA) needed to define a more comprehensive understanding of nearshore habitat, ecological functions, and the physical processes associated with the nearshore zone. The BSA will target those processes, functions and habitats that appear to be relevant to Bainbridge Island by a compilation and analysis of currently available information. A physical inventory of Bainbridge Island shoreline condition by drift cell has been compiled by City staff and includes documenting existing natural shoreline, altered shoreline (bulkheads, revetments, piers, etc.), and all the information has been compiled into a GIS database. The ultimate goal of the project is to identify and prioritize potential nearshore and estuarine restoration projects.

The SRC, assigned to the East Kitsap WRIA-15 SFRB TAC as the Tribal Representative, co-authored the $225,000 grant proposal for the City of Bainbridge Island. The City provided grant administration, matching funds, and contribute field staff. The SRC has been appointed to the Environmental Technical Advisory Commission by the Mayor of Bainbridge and the Tribal Fisheries Director. The ETAC is charged with overseeing the SRFB project and participating in field sampling. The project got underway with the hiring of a consultant(s) by July, 2001, the firing of this consultant in 2002 and the hiring of Battelle in 2002, and will continue through FY 2003. PCSR funding provides for both participation in the assessment process and the boat, staff, and equipment necessary to conduct the beach seining operation. The $18,000 budget amendment (Sept 2004) will be used in a capital construction contract to modify and upgrade the beach seining boat to two engines

Project Ref	Grantee	Project Name	State
107005	NWIFC Suquamish Tribe	Central Puget Sound Research and Monitoring	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-04	Salmon Research, Monitoring, and Evaluation	$36,219	$0	Puget Sound

Project Description

This project contains several elements: (1) increase our terminal area 10E chinook net fishery mark sampling effort to ensure adequate recoveries for evaluation of marking/tagging programs underway or soon to be underway; (2) design and implement full index survey coverage of adult hatchery/wild East Kitsap interactions, generating more accurate escapement estimates for the individual streams surveyed; (3) mark sample in addition to scale collection off adult spawners to provide age analysis for brood survival workup; (4) participate in the development of Recovery Exploitation Rates (RER¿s) for both the Green River chinook and the Lake Washington chinook populations; (5) continue implementing the Puget Sound chinook Resource Management Plan including annual post season evaluations conditioned by NMFS: and (6) Utilize technical staff time for spring data collection of NOR¿s from area 10E.

The entire central Puget Sound area is the focus of this project and the Marine Fish Program Manager (MFPM) and Salmon Management Biologist (SMB) will undertake the work. The project timeframe will be from July 1, 2003 to June 30, 2004.

Project Ref	Grantee	Project Name	State
100164	NWIFC Suquamish Tribe	Grovers Creek Coho Recovery Monitoring	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Salmon Research, Monitoring, and Evaluation	$39,190	$0	Puget Sound

Project Description

Continue evaluation and monitoring program to measure the response of a reintroduced coho salmon population to future habitat restoration activities in the Grovers Creek (Port Madison Indian Reservation) watershed. Investigate interaction with strays from nearby sea-pen salmon production operations.

Project Ref	Grantee	Project Name	State
100166	NWIFC Suquamish Tribe	Central Puget Sound Salmon Research and Monitoring	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Salmon Research, Monitoring, and Evaluation	$35,290	$0	Puget Sound

Project Description

1) Increase sampling of Chinook caught in area 10E fishery;
2) Improve escapement estimates to streams;
3) Age fish caught in fishery for brood year survival estimates;
4) Develop recovery exploitation rates for Chinook salmon;
5) Implement Puget Sound Chinook Resource Management Plan;

Project Ref	Grantee	Project Name	State
100163	NWIFC Suquamish Tribe	Grovers Creek Coho Recovery Monitoring	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$7,515	$0	Puget Sound

Project Description

Continue evaluation and monitoring program to measure the response of a reintroduced coho salmon population to future habitat restoration activities in the Grovers Creek (Port Madison Indian Reservation) watershed. Investigate interaction with strays from nearby sea-pen salmon production operations.

Project Ref	Grantee	Project Name	State
100165	NWIFC Suquamish Tribe	Central Puget Sound Salmon Research and Monitoring	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$88,677	$0	Puget Sound

Project Description

1) Increase sampling of Chinook caught in area 10E fishery;
2) Improve escapement estimates to streams;
3) Age fish caught in fishery for brood year survival estimates;
4) Develop recovery exploitation rates for Chinook salmon;
5) Implement Puget Sound Chinook Resource Management Plan;

Project Ref	Grantee	Project Name	State
100151	NWIFC Suquamish Tribe	Grovers Creek Salmon Research Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-00-30-SEP-01	Salmon Research, Monitoring, and Evaluation	$6,983	$0	Puget Sound

Project Description

Begin a long-term evaluation and monitoring program to measure the response of a reintroduced coho salmon population to future habitat restoration activities in the Grovers Creek (Port Madison Indian Reservation) watershed. Investigate interaction with strays from nearby sea-pen coho production operation.

Project Ref	Grantee	Project Name	State
2004-STIL-02	NWIFC Stillaguamish Tribe	Smolt Trap	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$67,560	$0	Puget Sound

Project Description

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Project Ref	Grantee	Project Name	State
2004-STIL-04	NWIFC Stillaguamish Tribe	Monitor Recently Completed Habitat Restoration Projects	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$67,735	$0	Puget Sound

Project Description

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Project Ref	Grantee	Project Name	State
114002	NWIFC Stillaguamish Tribe	Stillaguamish Salmonid Outmigrant trap	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-FEB-04-30-SEP-04	Salmon Research, Monitoring, and Evaluation	$20,300	$0	Puget Sound

Project Description

The Tribe will install and operate a floating screw trap on the lower mainstem of the Stillaguamish River. Smolt outmigration timing and magnitude is an important missing component of salmonid life history within the watershed. The collection of this data will lead to the development of production indexes and possibly production estimate models.

The smolt trap will be deployed in the lower mainstem in a location which will catch outmigrating smolts from virtually the entire watershed. The trap will begin operating in late February and continue through mid July. There will be a project biologist and two staff will operate the trap.

Project Ref	Grantee	Project Name	State
114004	NWIFC Stillaguamish Tribe	Monitor recently completed habitat restoration projects within the Stillagua	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03- -	Salmon Research, Monitoring, and Evaluation	$90,500	$0	Puget Sound

Project Description

Stillaguamish Natural Resources staff will monitor recently completed salmon habitat restoration projects within the Stillaguamish watershed either directly or in a supporting capacity. These activities will provide information that will be used to determine the effectiveness of the restoration as well as identify additional restoration measures that may be appropriate. In addition we will continue to develop a GIS layer depicting a spatial representation of historic, current and future habitat degradation and restoration activities. Monitoring techniques will include snorkeling (engineered log jams) and adult spawner surveys (fish passage improvements).

Project Ref	Grantee	Project Name	State
100145	NWIFC Stillaguamish Tribe	Chinook Smolt Trap	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Salmon Research, Monitoring, and Evaluation	$71,500	$0	Puget Sound

Project Description

Operate a smolt trap to enumerate salmonids moving seaward during the spring/summer out-migration season.

Project Ref	Grantee	Project Name	State
100148	NWIFC Stillaguamish Tribe	Monitor Recently Completed Habitat Restoration Projects	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Salmon Research, Monitoring, and Evaluation	$117,008	$0	Puget Sound

Project Description

Monitor recently-completed habitat restoration projects in the Stillaguamish basin. Collect information for inclusion in a basin GIS and database of basin habitat.

Project Ref	Grantee	Project Name	State
109000	NWIFC Squaxin Island Tribe	Coho Salmon Research and Assessment Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-SEP-05	Salmon Research, Monitoring, and Evaluation	$164,855	$0	Washington

Project Description

The project includes three components that each contribute to our knowledge and understanding about the interaction between natural and enhancement production of Coho salmon in southern Puget Sound. Taken together these projects represent an aggressive attempt to examine how Coho salmon smolts interact in the early marine life history stages and how the survival of enhancement fish influences subsequent contribution to natural spawning. The components include acoustic tagging of Coho smolts, continued development of the Ecopath model to examine trophic level productivity, and assessment of straying of enhancement fish into the spawning streams of the area.

The acoustic tagging project endeavors to tag Coho salmon smolts with acoustic transmitter tags prior to their release. Following release, signals from these fish will be detected at one or more hydrophone receiving arrays positioned throughout southern Puget Sound. The purpose of the study is to collect data on migration pathways, life history rearing stages, and survival in the marine waters of Puget Sound. This information will help to better understand the constraints of the early marine life history stages of development for southern Puget Sound.

The Tribe has already supported the development of the South Sound Ecopath Model, which is a trophic level description of the South Sound marine biotic community. This model is developed to help understand the bottlenecks that may be affecting the productivity of salmon stocks originating in southern Puget Sound. It is apparent from the preliminary model runs that some refinement is needed for life history factors representing salmon. This project will use new and existing data to refine the Ecopath model for existing marine trophic conditions. The project area includes South Puget Sound, or all the marine water south of Tacoma Narrows. It will support a small amount of staff time to participate in a collaborative effort with other agencies.

There is a desire to better understand the numbers of enhancement-produced fish that are contributing to wild escapement and spawning in local streams. An aggressive effort will be launched to conduct adult spawner stream surveys in important local Coho streams to identify and where possible recover Coho salmon carcasses that are the product of hatchery rearing. This will be possible because of the mass marking of Coho smolts by removal of the adipose fin. Carcasses will be examined for the presence of coded wire tags to determine their origin

Project Ref	Grantee	Project Name	State
100139	NWIFC Squaxin Island Tribe	Coho Salmon Research and Assessment Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Salmon Research, Monitoring, and Evaluation	$128,008	$0	Puget Sound

Project Description

This project has three research components.
1) Refine the South Puget Sound Ecopath model to better describe the trophic relationships of coho salmon in southern Puget Sound.
2) Study movements in southern Puget Sound of hatchery coho recently released from hatcheries.
3) Determine number and proportion of hatchery-origin coho salmon that spawn in streams in the southern Puget Sound basin.

Project Ref	Grantee	Project Name	State
100031	NWIFC Skokomish Tribe	Salmonid Smolt Collection on the Mainstem of a mid-Hood Canal River (H	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	28-JAN-02-30-SEP-07	Salmon Research, Monitoring, and Evaluation	$35,000	$0	Puget Sound

Project Description

Provide long-term estimates of abundance, age, size, and migratory timing of salmonid smolts from a west-side mid-Hood Canal River (Hamma Hamma River). A collaborative effort is currently underway to obtain high quality data for the Hamma Hamma River initially, and perhaps extend the study to additional sites in the future. The Port Gamble S'Klallam Tribe will contribute personnel to sample the trap one day per week from January through July and will analyze the results and prepare an annual report. The trap will be operated seven days per week, 24-hrs per day. All fish will be identified and counted. Fork length and weight will be measured for the first 20 individuals of each species. A series of experiments will be undertaken to estimate trap efficiency and permit expansion of smolt catch to the entire system. The tribe proposes to use groups of any captured in the smolt trap to calibrate catch per unit effort (CPUE). Summer chum groups of 500 supplementation program summer chum fry will be marked and released upstream of the screw trap. Marked chum will be spread evenly across the river at the release point to allow natural distribution of chum prior to passing the location of the screw trap. Once the initial group has cleared the river, an additional group of 500 marked summer chum will be released; this process will be repeated with as many groups of 500-summer chum as feasible without delaying the planned release timing of the supplementation summer chum. The group will continue to measure trapping efficiency by using naturally produced fish captured in the screw trap, marked, and released upstream. Trapping efficiency will be measured for chinook using the same procedure, and groups of 500-marked supplementation chinook fry. Standard statistical techniques will be used to develop confidence intervals around the catch. Freshwater survival will be estimated using a combination of the juvenile estimates and adult salmon escapement estimates for the appropriate brood year.

Project Ref	Grantee	Project Name	State
100117	NWIFC Skokomish Tribe	Hood Canal Salmon/Steelhead Spawning Ground Surveys and Bull Trout	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-MAR-03-30-SEP-03	Salmon Research, Monitoring, and Evaluation	$18,413	$0	Puget Sound

Project Description

Continue spawning ground surveys in several streams. Surveys done in conjunction with WDFW, USDA Forest Service, and National Park Service, and expand the level of monitoring possible. Conduct spawning surveys weekly to bi-weekly. Numbers of live and dead salmon, and salmon redds, are determined; dead fishes are examined for marks and tags, and scales are taken for age analysis. Bull trout densities are determined using direct observation (snorkel counts). This work provides valuable information for land management and salmon harvest management.

Project Ref	Grantee	Project Name	State
100118	NWIFC Skokomish Tribe	Juvenile Salmonid Utilization of Tidal Creeks and Nearshore Areas in Sout	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	24-MAR-03-30-SEP-03	Salmon Research, Monitoring, and Evaluation	$26,066	$0	Puget Sound

Project Description

The importance of large estuaries to anadromous salmonids is well documented. This project will attempt to assess the use of smaller estuarine habitats (creek mouths, sloughs, beach areas, and lagoons) by juvenile anadromous salmonids. Of particular interest is use of non-natal stream mouths. Timing of use (seasonal) by each species will also be studied. The habitats will be assessed in terms of vegetation, habitat type, and temperatures.

Project Ref	Grantee	Project Name	State
100121	NWIFC Skokomish Tribe	Olympic Peninsula Tribal Riparian Forest Reference Site Study	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-02-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$5,597	$0	Puget Sound

Project Description

Characterize riparian forest conditions on the Olympic Peninsula. Measures to characterize riparian forest stands, landform, and down wood will be included. These measures will help in the evaluation of impacted areas. Participating in this project are the Port Gamble S'Klallam, Jamestown S'Klallam, Lower Elwha, Makah, Hoh, and Skokomish tribes. The project is intended to provide data for Washington State private forest land management done through the Forest and Fish Agreement. Downed wood in streams is important for stream functions. This project will provide data on streams within old-growth stands in order to provide baseline conditions for comparing impacted areas.

This project is a continuation of the work begun under Skokomish Tribe PCSRF Project Proposal # 9 from fiscal year 2001.

Project Ref	Grantee	Project Name	State
100136	NWIFC Skokomish Tribe	Smolt Trapping of Skokomish Restoration Sites	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-MAR-03-07-JUL-03	Salmon Research, Monitoring, and Evaluation	$28,238	$0	Puget Sound

Project Description

Traps installed where access to wetlands was restored by breaching dikes. Fish movements into/out of the wetlands areas to be monitored.

Project Ref	Grantee	Project Name	State
100069	NWIFC Skokomish Tribe	Desired Future Conditions: Mature and Old Riparian Forest Reference con	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-DEC-02	Salmon Research, Monitoring, and Evaluation	$10,000	$0	Washington Coastal

Project Description

The purpose of this project is to collect sufficient data to establish reference conditions for mature to old riparian forest stands in different ecotones on the Olympic Peninsula and to establish Desired Future Condition (DFC) guidelines for mature to old stands. An additional objective is to determine whether the current DFC model and metrics used to describe "desired future conditions" are appropriate for the Olympic Peninsula. This phase of the project involved development of a conceptual framework and theoretical basis for the study through collaborative efforts and literature review, as well as development of study methods, field sampling and data management strategies. Old growth riparian stands (8) were inventoried in the Hoh Tribal U&A. The age requirement for old growth was 140 years old. Reconnaissance was done by walking through each stand making visual estimates of species composition, age and disturbance regime, as well as valley form, slope, channel migration zone or floodplain width and total area of the identified timber type. The sites were sketched on aerial photos and DNR stream type maps. Inventory data is being recorded on Excel spreadsheets and will be usable for further modeling.

Project Ref	Grantee	Project Name	State
100115	NWIFC Skokomish Tribe	Expansion of Monitoring and Sampling of Hood Canal Tribal Commercial S	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$32,600	$0	Puget Sound

Project Description

Increase sampling effort to better determine pre-season forecasts of run sizes and stock composition. Determine in-season commercial catch allocations, run size updates, and other management tools for commercial fisheries management. Collect biological information and additional coded-wire tagged fishes to improve evaluations of stock composition in the catches. The target sampling rate is 20 percent of the fishes captured.

Project Ref	Grantee	Project Name	State
100119	NWIFC Skokomish Tribe	Juvenile Salmonid Utilization of Recovering Habitat in the Skokomish Estu	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-FEB-02-31-JUL-07	Salmon Research, Monitoring, and Evaluation	$23,775	$0	Puget Sound

Project Description

Evaluate the habitat (tidal effects, temperature, vegetation), and its use by salmonids, of a former farm field that is reverting to estuarine habitat after failure of a dike in 1995. Monitor the recovery of salt-tolerant plants to the estuary. This project will document an instance of recovery, and provide information for planning similar projects. This project provides an opportunity to perform a natural experiment, taking advantage of a restoration event that occurred without human intervention.

Project Ref	Grantee	Project Name	State
100120	NWIFC Skokomish Tribe	Olympic Peninsula Tribal Riparian Forest Reference Site Study	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-02-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$18,929	$0	Puget Sound

Project Description

Characterize riparian forest conditions on the Olympic Peninsula. Measures to characterize riparian forest stands, landform, and down wood will be included. These measures will help in the evaluation of impacted areas. Participating in this project are the Port Gamble S'Klallam, Jamestown S'Klallam, Lower Elwha, Makah, Hoh, and Skokomish tribes. The project is intended to provide data for Washington State private forest land management done through the Forest and Fish Agreement. Downed wood in streams is important for stream functions. This project will provide data on streams within old-growth stands in order to provide baseline conditions for comparing impacted areas.

Project Ref	Grantee	Project Name	State
100134	NWIFC Skokomish Tribe	Skokomish River, Upper Tahuya River, and Big Mission Creek Salmonid/S	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-MAR-02-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$34,178	$0	Puget Sound

Project Description

Continue spawning ground surveys in several streams. Surveys done in conjunction with WDFW, USDA Forest Service, and National Park Service, and expand the level of monitoring possible. Conduct spawning surveys weekly to bi-weekly. Numbers of live and dead salmon, and salmon redds, are determined; dead fishes are examined for marks and tags, and scales are taken for age analysis. Bull trout densities are determined using direct observation (snorkel counts). This work provides valuable information for land management and salmon harvest management.

Project Ref	Grantee	Project Name	State
100135	NWIFC Skokomish Tribe	Smolt Trapping of Skokomish Restoration Sites	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-MAR-02-15-JUN-02	Salmon Research, Monitoring, and Evaluation	$41,668	$0	Puget Sound

Project Description

Traps installed where access to wetlands was restored by breaching dikes. Fish movements into/out of the wetlands areas to be monitored.

Project Ref	Grantee	Project Name	State
100092	NWIFC Skokomish Tribe	Desired Future Conditions: Mature and Old Riparian Forest Reference Con	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-30-DEC-01	Salmon Research, Monitoring, and Evaluation	$10,000	$0	Washington Coastal

Project Description

The purpose of this project is to collect sufficient data to establish reference conditions for mature to old riparian forest stands in different ecotones on the Olympic Peninsula and to establish Desired Future Condition (DFC) guidelines for mature to old stands. An additional objective is to determine whether the current DFC model and metrics used to describe "desired future conditions" are appropriate for the Olympic Peninsula. This phase of the project involved development of a conceptual framework and theoretical basis for the study through collaborative efforts and literature review, as well as development of study methods, field samplin and data management strategies. Old growth riparian stands (8) were inventoried in the Hoh Tribal U&A. The age requirement for old growth was 140 years old. Reconnaissance was done by walking through each stand making visual estimates of species composition, age and disturbance regime, as well as valley form, slope, channel migration zone or floodplain width and total area of the identified timber type. The sites were sketched on aerial photos and DNR stream type maps. Inventory data is being recorded on Excel spreadsheets and will be usable for further modeling.

Project Ref	Grantee	Project Name	State
100113	NWIFC Skokomish Tribe	Skokomish U&A Salmon Habitat Research Initiative	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-00-30-SEP-01	Salmon Research, Monitoring, and Evaluation	$112,775	$0	Puget Sound

Project Description

Complete four research projects. These are: 1) quantify juvenile outmigration for tributaries of the Skokomish River; 2) assess the impacts of mass marking and brood stocking; 3) assess estuarine habitat; and 4) assess effects of scour events on salmonid habitat.

Project Ref	Grantee	Project Name	State
100189	NWIFC Skagit System Cooperative	Enforcement of ESA Related Restrictions in Skagit and Samish Watershe	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-JUN-03	Salmon Research, Monitoring, and Evaluation	$90,885	$0	Puget Sound

Project Description

Provide protection for the listed species through a strong enforcement patrol presence (2 employees at .5 FTE) during periods when Chinook are present in spawning areas and will provide monitoring of ESA related Chinook harvest restrictions during the fisheries.

Project Ref	Grantee	Project Name	State
100190	NWIFC Skagit System Cooperative	Implementation and Monitoring of Skagit Chinook Recovery Goals	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-03	Salmon Research, Monitoring, and Evaluation	$140,868	$0	Puget Sound

Project Description

This project continues test fishery surveys of the Skagit Terminal area to: assist with watershed plans and monitor the effectiveness of the plans. Interim goals were established in a previous phase of this project and will continue to be refined. This phase's planning efforts target completion of the basin-specific plan and region-wide chinook and coho harvest management plans

Project Ref	Grantee	Project Name	State
100193	NWIFC Skagit System Cooperative	Skagit Wild Chinook Limiting Factors Model Data Inputs	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-JUN-03	Salmon Research, Monitoring, and Evaluation	$255,117	$0	Puget Sound

Project Description

Provide inputs to a life cycle model for wild Skagit Chinook to evaluate and monitor recovery actions. Data collection (and revisions to improve the model) have been on-going since 1995.

Project Ref	Grantee	Project Name	State
100191	NWIFC Skagit System Cooperative	Implementation and Monitoring of Skagit Chinook Recovery Goals	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-JUN-02	Salmon Research, Monitoring, and Evaluation	$117,468	$0	Puget Sound

Project Description

Recovery goals for chinook are intended to approximate the abundance, productivity, and diversity of juveniles and adults under properly functioning conditions (PFC). Via test fishery surveys, this project estimates these levels for Skagit Chinook from on-going research and analysis of past data, and will complete a plan that specifies actions to achieve those levels. These data will set the benchmarks used to target salmon recovery actions. The plan will identify habitat, hatchery, and harvest actions and techniques that will optimize long-term recovery and utilization of the runs, and the test fishery will provide estimates of the timing, number of fish, age composition, and marine survival rate for each salmon run in the Skagit, which is necessary to develop optimal harvest strategies.

Project Ref	Grantee	Project Name	State
100194	NWIFC Skagit System Cooperative	Skagit Wild Chinook Limiting Factors Model Data Inputs	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-JUN-02	Salmon Research, Monitoring, and Evaluation	$145,467	$0	Puget Sound

Project Description

Provide inputs to a life cycle model for wild Skagit Chinook to evaluate and monitor recovery actions. Data collection (and revisions to improve the model) have been on-going since 1995.

Project Ref	Grantee	Project Name	State
100192	NWIFC Skagit System Cooperative	Skagit Chinook, Coho and Chum Run Composition Analysis	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-30-NOV-01	Salmon Research, Monitoring, and Evaluation	$106,005	$0	Puget Sound

Project Description

One day per week from May to November 2 technicians will test fish for a limited time period. All fish caught will be identified to species and sex, and they will be sampled for length, marks, scales, coded-wire tags, otoliths, and signs of mammal bites. These data will be analyzed and summarized by a computer technician.

Project Ref	Grantee	Project Name	State
100195	NWIFC Skagit System Cooperative	Skagit Wild Chinook Limiting Factors Model Data Inputs	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-02-30-JUN-03	Salmon Research, Monitoring, and Evaluation	$221,406	$0	Puget Sound

Project Description

Provide inputs to a life cycle model for wild Skagit Chinook to evaluate and monitor recovery actions. Data collection (and revisions to improve the model) have been on-going since 1995.

Project Ref	Grantee	Project Name	State
162-2004	NWIFC Skagit River System Cooperative	Skagit Wild Chinook Limiting Factors Model Data Inputs	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$100,000	$0	Puget Sound

Project Description

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Project Ref	Grantee	Project Name	State
116503	NWIFC Skagit River System Cooperative	Skagit Wild Chinook Limiting Factors Model Data Inputs	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-AUG-03-30-SEP-04	Salmon Research, Monitoring, and Evaluation	$159,155	$0	Puget Sound

Project Description

This project provides inputs to a life cycle model for wild Skagit chinook in order to evaluate and monitor recovery actions for wild Skagit Chinook. The project has been ongoing since 1995 and the research component is projected to be completed in 2006. The specific geographic area is the Skagit River basin and its estuary and nearshore environment. However, the chinook life history types identified, habitat capacity and survival estimates of chinook by life stage may be transferable to Puget Sound ocean-type chinook thus expanding geographically this project¿s use.

Project Ref	Grantee	Project Name	State
115001	NWIFC Sauk-Suiattle Tribe	ESA Tribal Infrastructure Policy Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-04	Salmon Research, Monitoring, and Evaluation	$75,000	$0	Washington

Project Description

This project is designed to address the immediate need for tribal policy coordination support associated with the Endangered Species Act requirements of tribal resources management. These new ESA related activities are above and beyond the current scope of tribal natural resource management. The personnel involved will be Director Natural Resources and Natural Resource Policy Coordinator. This will be yearly ongoing project during the listing period until the species recovery is achieved and is removed from federal listing. The geographical project work area shall encompass the Pacific Northwest but shall not be limited to the particular area. This project will also provide protection of the listed species through a stron enforcement patrol presence during periods when the Chinook are present in spawning areas and will provide monitoring ESA related Chinook harvest restrictions during the fisheries.

Project Ref	Grantee	Project Name	State
115002	NWIFC Sauk-Suiattle Tribe	ESA Tribal Infrastructure Fisheries Enforcement Support	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-04-30-JUN-04	Salmon Research, Monitoring, and Evaluation	$30,000	$0	Washington

Project Description

This project will provide protection for the listed species through a strong enforcement patrol presence through out the periods when the Chinook are present in spawning areas and will provide monitoring of ESA related Chinook harvest restrictions during the fisheries. This salmon harvest restrictions enforcement project is consistant with the Treaty Tribes and the State of Washington co-managers 2003/04 fishing plan, United States vs. Washington Treaty rights fishing case enforecement section.

Project Ref	Grantee	Project Name	State
2004-quil-1	NWIFC Quileute Tribe	Spawner Survey in Quillayute River System	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$151,445	$0	Washington Coastal

Project Description

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Project Ref	Grantee	Project Name	State
2004-quil-2	NWIFC Quileute Tribe	Smolt Trapping in Dickey River System of Quillayute	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$52,917	$0	Washington Coastal

Project Description

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Project Ref	Grantee	Project Name	State
2004-quil-3	NWIFC Quileute Tribe	Harvest Management Planning	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$116,827	$0	Washington Coastal

Project Description

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Project Ref	Grantee	Project Name	State
2003-quil-1	NWIFC Quileute Tribe	Spawner Survey in Quillayute River System	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$163,913	$0	Washington Coastal

Project Description

Objective A. Monitor and count redds to determine escapement of salmonids in Quillayute River System including Dickey, Sol Duc, Calawah, and Bogachiel Rivers and major tributaries thereof. Drainage somewhat greater than 800 square miles. 65% of time from Tribal Fisheries biologist and 5 technicians. Equipment includes waders, corkers, markers, rain gear, cruisers vest, and other field gear. Helicopter contract. Other costs leveraged from other grants. Will borrow camera from objective B if needed.

Project Ref	Grantee	Project Name	State
2003-quil-2	NWIFC Quileute Tribe	Smolt Trapping in Dickey River System of Quillayute	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$58,080	$0	Washington Coastal

Project Description

Sites selected in past by WDFW, about a decade ago, are selected by Quileute for coho smolt trapping and data corroboration. The five box and screen trap locations (mark release sites) are located in the upper tributaries of the Dickey River system. The rotary screw trap location (marked recapture site) is in the mainstem, four miles below the confluence of the East and West Forks of the Dickey River. The large rotary screw trap requires a contractor for placement and removal from the trap site. Supplies include trap materials, brushes, sandbags, dipnets, measuring boards, buckets, night headlamps, chestwaders, boots, raingear, digital cameras, and field laptops.

Project Ref	Grantee	Project Name	State
100036	NWIFC Quileute Tribe	Assesment of Salmonid Populations (in the Quillayute River System and D	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-02-30-AUG-03	Salmon Research, Monitoring, and Evaluation	$417,500	$0	Washington Coastal

Project Description

The tribe will monitor for juvenile coho salmonids by setting up smolt traps in the Dickey River tributaries. This was done 10 years ago with respect to outmigration population numbers for coho in the same tributaries. The purpose of the monitoring is to obtain updated numbers following habitat restoration and forest practice rule changes over the last decade. Habitat improvements throughout the Dickey System have provided improved juvenile summer and winter habitats. It is expected that the winter and summer habitats and population numbers have improved for juvenile coho's. Another component of this project involves monitoring/counting redds to obtain data on returning adult populations, as well as sampling tribal catch (gillnetting) and spawning grounds. Finally, participation in local salmon recovery programs, and use of the data in setting harvest management goals and determining appropriate management strategies are all funded under this project.

Project Ref	Grantee	Project Name	State
100068	NWIFC Quileute Tribe	Assesment of Salmonid Populations in the Quillayute River System	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$282,500	$0	Washington Coastal

Project Description

Under this project, the tribe will commence a smolt trapping program for the Quillayute system that will improve the accuracy of run size predictions. The tribe will monitor smolt traps set in the tributaries of the four major rivers of the Quillayute River System (Dickey, Sol Duc, Calawah, and Bogachiel) in the spring of 2002. Representative sites will be selected from current year GIS habitat data and redd count numbers. Spawner surveys for coho, Chinook, steelhead, and sockeye will occur between Sept. 2001 and June 2002. In addition, water quality parameters will be measured within the selected tributaries, including temperature, dissolved oxygen, PH, flow, and alkalinity. Finally, software and plotter purchases will be necessary for conducting the spatial analysis and producing maps for field work, both during site selection, and for data management following the surveys.

Project Ref	Grantee	Project Name	State
100090	NWIFC Quileute Tribe	Habitat and Stock Assessment in Lake Creek	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-00-01-JUN-01	Salmon Research, Monitoring, and Evaluation	$235,000	$0	Puget Sound

Project Description

This project is a continuation of long-term salmon management planning efforts to assess stock health and habitat conditions within the Quileute Tribal U&A. Lake Creek is considered one of the most productive streams in the Quileute Treaty area, which is undergoing pressure from development that adversely impacts fish habitat. The Tribe is developing corrective measures to increase habitat quality and quantity with the use of escapement data collected from the Lake Creek spawner surveys. Data will also be used to keep habitat condition records up to date and aid in determining limiting factors, as well as to protect against overharvest. Upon completion, data were analyzed from spawner surveys, habitat surveys, stream characteristic measurements, road surveys for culverts and crossdrains, assessment of fish passability (culverts), assessment of crossdrains for sediment delivery, and wetland inventories. Maps were also constructed.

Project Ref	Grantee	Project Name	State
111002	NWIFC Puyallup Tribe	Puyallup River Catch Monitoring/Sampling	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-AUG-04-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$35,000	$0	Washington

Project Description

This requires a full time temporary hire to work 40 hours monitoring catch. The position requires 150 chinook scale samples per week and minimum 20 percent CWT sampling rate for both chinook and coho. Chum sampling also requires 200 scale samples per week. Steelhead sampling goal is 100 percent and scale sampling is 50 percent due to the critical status of wild steelhead.

Project Ref	Grantee	Project Name	State
106000	NWIFC Port Gamble S'Klallam Tribe	Salmon Spawning Escapement Surveys in North Hood Canal Streams	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03- -	Salmon Research, Monitoring, and Evaluation	$75,000	$0	Washington

Project Description

Surveys were conducted on 12 streams: Gamble Creek, Harding Creek, Spring Creek, Middle Creek, Martha-John Miller Lake Creek, Cougar-Kinman Creek, Stavis Creek, Thorndyke Creek, Shine Creek, Little Anderson Creek, Thomas Creek and Seabeck Creek (Table 1). Port Gamble S¿Klallam Tribe, the WDFW, the Point No Point Treaty Council (PNPTC), the Kitsap Surface and Storm Water Management Team (SSWM) and the North Olympic Salmon Coalition (NOSC) sampled these streams in the upper Hood Canal area during 2003-2004.
As part of the survey, scale samples were collected to estimate age and proportion of wild versus hatchery salmon. Length data and condition of adipose fin (clip/non-clip) were also collected. The number of fish and/or redds observed in index reaches were to be compared with index counts in prior years, when comprehensive surveys were also undertaken. The relationship between counts in the index reaches and total escapement is assumed to be stable. When flow and visibility conditions are good, redd counts may provide a better estimate of escapement than counts of live or dead fish.
In surveys of upper Hood Canal streams conducted by Bahls (1997, 1996, 1995) found that over 80 percent of the recovered coho were of hatchery and/or net pen origin. However, these findings could be misleading because they are based on a small number of coho sampled that may not been representative of the total escapement to each stream, and these surveys were completed before the mark-selective fisheries were implemented. Mark-selective fisheries have been implemented on coho since 1998 and coded-wire tag (CWT) data from double index tag (DIT) stocks are now being impacted by these fisheries. DIT groups are paired CWT groups that are reared and released in a similar manner, and are identical with the exception that one of the pair is adipose fin clipped (marked) and the second is not clipped (unmarked). Also, Bahls (1997, 1996, 1995) considered coho to be of hatchery origin if they had a clipped adipose fin, which now could be considered part of a DIT group. Sampling now must be done electronically on the spawning grounds to account for proper accounting of DIT groups.
Although the results from the 2003¿04 spawning surveys are limited in size, they are consistent with surveys conducted over the past years. The findings for Port Gamble Bay are consistent with recent surveys. Based on preliminary CWT recoveries from the spawning grounds, show high proportions of Port Gamble Bay net pen fish making up escapement through October, with natural coho salmon comprising the escapements through November and through
mid-December. However, the small number of coho salmon recovered from areas outside of Port Gamble Bay make it difficult to draw broader conclusions for these areas.
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Project Ref	Grantee	Project Name	State
106001	NWIFC Port Gamble S'Klallam Tribe	Genetic Characterization of Chinook from mid-Hood Canal Rivers (Dosew	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-02-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$43,000	$0	Washington

Project Description

Sampling for juvenile Chinook in the Dosewallips River was conducted on twelve occasions (April ¿ July 2004). Although numerous juvenile salmonids were encountered, no juvenile Chinook were collected. Sampling will discontinue the remainder of 2004. A total of 50-100 individuals are required to complete the study. In the fall of 2004, samples were also not collected from returning adults during the spawning surveys. This project has been discontinued, as sample sizes are just not attainable with this sampling design.
Since no juvenile Chinook were collected we will not repeat the project in 2005. The funding identified for the DNA project in 2002 and 2003 has been reallocated to complete a study of summer chum Otoliths collected in 2001. Otoliths were collected from adult summer chum salmon returning to spawn in Hood Canal and eastern Strait of Juan de Fuca streams and the fish were examined for adipose fin clips by the WDFW and Tribal staffs; including staff or volunteers from Hood Canal Salmon Enhancement Group (HCSEG), Long Live The Kings (LLTK), NOSC, and Wild Olympic Salmon (WOS). Adult summer chum were sampled after spawning on the spawning grounds and/or after being spawned as broodstock for the supplementation/reintroduction programs. WDFW¿s Fish Program Otolith Laboratory conducted the otolith analyses. Summer chum otoliths (~400 samples) collected in 2001 from Big Beef Creek, Little Anderson Creek, Little Quilcene River, Hamma Hamma River and Chimacum Creek will be analyzed. Otoliths were sectioned, examined and the origin of the specimens were determined by looking for temperature coding marks on the fish¿s otolith. Otolith analysis is used to determine the contribution of the supplementation program to the summer chum populations in the Big Quilcene River and Chimacum Creek as well as the rate of straying into other systems.
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Project Ref	Grantee	Project Name	State
106002	NWIFC Port Gamble S'Klallam Tribe	Salmonid Smolt Collection on the Mainstem of a mid-Hood Canal River	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-02-31-DEC-06	Salmon Research, Monitoring, and Evaluation	$75,000	$0	Washington

Project Description

The Port Gamble S¿Klallam Tribe working in conjunction with the Washington Department of Fish and Wildlife (WDFW), Long Live the Kings (LLTK), Hood Canal Salmon Enhancement Group (HCSEG) and the Skokomish Tribe, assisted in the operation of a screw trap on the Hamma Hamma River during 2002, 2003 and 2004. The primary goal of the Port Gamble S¿Klallam Tribe is to estimate the freshwater smolt production of chinook (Oncorhynchus tshawytscha), coho (O. kisutch), chum (O. keta), and pink (O. gorbuscha) salmon and steelhead trout (O. mykiss) that originate from the Hamma Hamma River.

Project Ref	Grantee	Project Name	State
106003	NWIFC Port Gamble S'Klallam Tribe	Otolith and DNA Analyses for Summer Chum in mid-Hood Canal Rivers	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-31-MAR-05	Salmon Research, Monitoring, and Evaluation	$49,000	$0	Washington

Project Description

In 2002 and 2003, otoliths were collected from adult summer chum salmon returning to spawn in Hood Canal and eastern Strait of Juan de Fuca streams and the fish were examined for adipose fin clips by WDFW and Tribal staffs, staff or volunteers from HCSEG, LLTK, NOSC, and WOS. Adult summer chum were sampled after spawning on the spawning grounds and/or after being spawned as broodstock for the supplementation/reintroduction programs. WDFW¿s Fish Program Otolith Laboratory conducted the otolith analyses.
Supplementation is being applied as a strategy to reduce the short-term extinction risk of summer chum salmon populations in the Hood Canal and eastern Strait of Juan de Fuca regions and to aid in their recovery. Appropriate indigenous broodstocks are also being used to reintroduce summer chum to watersheds where they have recently been extirpated. These programs are being operated consistent with rigorous standards presented in the Summer Chum Salmon Conservation Initiative, a joint state-tribal plan to recover healthy, self-sustaining populations. There are currently six supplementation and two reintroduction projects distributed throughout the Hood Canal and Strait of Juan de Fuca summer chum ESU. Programs initiated in 1992 include Big Quilcene River, Lilliwaup Creek, and Salmon Creek supplementation projects. Re-introduction of summer chum into Chimacum and Big Beef creeks began in 1996 and additional supplementation programs were initiated on Hamma Hamma River in 1997, on Jimmycomelately Creek in 1999, and on Union River in 2000.

Project Ref	Grantee	Project Name	State
100024	NWIFC Port Gamble S'Klallam Tribe	Salmon Spawning Escapement Surveys in North Hood Canal Streams	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-AUG-02-30-JAN-03	Salmon Research, Monitoring, and Evaluation	$45,000	$0	Middle Columbia

Project Description

Count live or dead adult salmon and redds (including early return-timing summer chum) on 12 streams in North Hood Canal to compare with prior years index counts. Collect scale samples and length data to provide data on age composition of the returning salmon and an estimate of wild versus hatchery origin adults.

Project Ref	Grantee	Project Name	State
100025	NWIFC Port Gamble S'Klallam Tribe	Juvenile Salmonid Utilization of Tidal Creeks in North Hood Canal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JAN-02-01-JAN-04	Salmon Research, Monitoring, and Evaluation	$47,000	$0	Puget Sound

Project Description

Document the temporal and spatial distribution of juvenile salmonids in north Hood Canal tidal creeks, lagoons, and distributary channels using seines, dip nets, and minnow traps to sample in shallow-water environments. Captured fish will be identified to species, counted, examined for marks, and the first 20 individuals of each species will be measured (FL, fork length) and weighed. Length and weight data will allow comparison with both in-river and smolt trap-caught populations from the Hamma Hamma River, as well as fish populations seined from the open-water estuarine environments of the mid-Northern Hood Canal.

Project Ref	Grantee	Project Name	State
100032	NWIFC Port Gamble S'Klallam Tribe	Otolith and DNA Analyses for Summer Chum in mid-Hood Canal Rivers	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-07	Salmon Research, Monitoring, and Evaluation	$40,000	$0	Puget Sound

Project Description

Obtain DNA samples (100-200) and otoliths (200-300) form summer chum collected in the Dosewallips, Duckabush, and Big Quilcene Rivers. Adult summer chum will be sampled during spawning surveys undertaken in the fall 2002. DNA samples and other biological data will be collected from returning adults. The origin of specimens will be determined by looking for temperature coding marks on the fish's otolith. Summer chum spawning surveys will occur one day per week from mid-August through mid-October. The results of the DNA analysis will help shape supplementation strategies by determining smolt production levels and straying effects of hatchery released fish (wild-hatchery interactions).

Project Ref	Grantee	Project Name	State
100033	NWIFC Port Gamble S'Klallam Tribe	Juvenile Salmonid Utilization of Estuarine Habitat in the North Hood Canal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAR-03-01-JAN-04	Salmon Research, Monitoring, and Evaluation	$31,500	$0	Puget Sound

Project Description

The proposed pilot study assesses the usefulness of the technique to evaluate the abundance and migratory timing of juvenile salmonids in areas of Hood Canal characterized by varying levels of human impact. The technique involves a combination of visual surveys and beach seining at 12 sites in north Hood Canal. Prior to the initiation of sampling, the researchers will categorize the habitat using information from Berry et al. 2001 and Hirschi et al. 2002. Each site will be visually surveyed five times during the peak salmonid out migration period (March-June). Replicate beach seine hauls will be made at four of the twelve sites during each sampling event to confirm species identification and to obtain length-weight measurements. Although primary focus is on ESA listed chinook and summer chum, information on all salmonids encountered will be noted. A comparison will be made between species presence and timing in the selected nearshore areas with out migration timing on the Hamma Hamma River and presence and timing in tidal creeks and marshes from other projects. If the technique produces reliable quantitative data, the Tribe will spatially and temporally extend the sampling in future years.

Project Ref	Grantee	Project Name	State
100034	NWIFC Port Gamble S'Klallam Tribe	Forage Fish Egg Survey in the Northern Hood Canal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-31-JAN-03	Salmon Research, Monitoring, and Evaluation	$38,000	$0	Puget Sound

Project Description

Undertake a forage fish survey designed to assess the impact of shoreline development on the abundance and survival of surf smelt and Pacific sand lance eggs. Pacific sand lance spawn on sand high in the intertidal zone (+7 to 9 ft) during winter months (Nov. - Jan. in Hood Canal). Surf smelt also spawn during the fall and winter months (Oct.-Jan.) in Hood Canal. The surveys are intended to quantify the impact of shoreline disturbance on saln lance and surf smelt by comparing egg density from disturbed versus non-disturbed sites. The experimental design compares spawn from 10 sites with and without alterations due to human development. Each site will be sampled 5 times annually during the appropriate spawning season along 100 foot transects at 1000 foot intervals, and using the accepted sampling and analysis protocols established by Moulton and Penttila (2001). Sample sites will be selected using historical data on known or suspected spawning areas in the north Hood Canal (Penttila 1995). The type, period and extent of armoring (i.e. location relative to spawning zone) will be determined prior to the selection of stations. These factors will be utilized to assess the relative severity of potential impacts due to armoring prior to initiation of sampling. Of primary concern are changes in sediment supply and characteristics (grain size) associated with human development. Repeated samplings and numerous sites are required to separate impacts from human development from natural variation in forage fish spawning.

Project Ref	Grantee	Project Name	State
100062	NWIFC Port Gamble S'Klallam Tribe	Salmon Spawning Escapement Surveys in the Dosewallips River Basin	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$36,797	$0	Puget Sound

Project Description

Count live or dead adult salmon and redds (including early return-timing summer chum) on streams in North Hood Canal to compare with prior years index counts. Collect scale samples and length data to provide data on age composition of the returning salmon and an estimate of wild versus hatchery origin adults.

Project Ref	Grantee	Project Name	State
100063	NWIFC Port Gamble S'Klallam Tribe	Juvenile Salmonid Utilization of Tidal Creeks in North Hood Canal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$88,514	$0	Puget Sound

Project Description

Document the temporal and spatial distribution of juvenile salmonids in north Hood Canal tidal creeks, lagoons, and distributary channels using seines, dip nets, and minnow traps to sample in shallow-water environments. Captured fish will be identified to species, counted, examined for marks, and the first 20 individuals of each species will be measured (FL, fork length) and weighed.

Project Ref	Grantee	Project Name	State
100065	NWIFC Port Gamble S'Klallam Tribe	Salmonid Smolt Collection on the Mainstem of the Dosewallips River	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$36,797	$0	Puget Sound

Project Description

Provide long-term estimates of abundance, age, size, and migratory timing of salmonid smolts for the Dosewallips River. The Port Gamble S'Klallam Tribe will install a rotary screw trap in the lower Dosewallips River near the Highway 101 bridge. The trap will be operated annually from March through July for 3 days per week. All fish will be identified and counted. Fork length and weight will be measured for the first 20 individuals of each species. A series of experiments will be undertaken to estimate trap efficiency and permit expansion of smolt catch to the entire system. The tribe proposes to use groups of fry captured in the smolt trap to calibrate catch per unit effort (CPUE). Freshwater survival will be estimated using a combination of the juvenile estimates and adult salmon escapement estimates for the appropriate brood year.

Project Ref	Grantee	Project Name	State
100066	NWIFC Port Gamble S'Klallam Tribe	Juvenile Salmonid Utilization of Estuarine Habitat in the North Hood Canal	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$36,797	$0	Puget Sound

Project Description

The proposed study will provide information on the abundance and migratory timing of juvenile salmonids in nearshore areas of Hood Canal. Although primary focus is on ESA listed chinook and summer chum, information on all salmonids encountered will be noted. The researchers will look for functional relationships between habitat variables and juvenile salmon growth and survival on a seasonal basis. Nearshore areas will be sampled by replicate beach seine hauls deployed from a small boat at suitable shoreline sites. Basic biological data will be collected (scales, length, weight, presence of a mark) from a sub-sample of juvenile salmonids. Data will also be collected on habitat type including salinity, temperature, substrate type, and vegetation. The results of this study will provide insight on the comparative size, condition, and growth rates of juvenile salmon inhabiting nearshore, estuarine areas. Additionally, basic information will be collected on early estuarine residence time, distribution, and abundance of juvenile salmon in Hood Canal. A comparison will be made between growth and differences in timing (temporal and spatial) between natural and hatchery salmon.

Project Ref	Grantee	Project Name	State
100091	NWIFC Port Gamble S'Klallam Tribe	Port Gamble S'Klallam Tribe's Salmon Recovery Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-00-01-JUN-01	Salmon Research, Monitoring, and Evaluation	$235,000	$0	Middle Columbia

Project Description

Tribal biologists will participate in salmon recovery activities within the Tribe's U&A, including monitoring and planning efforts undertaken cooperatively and independently (Tribe only) within Hood Canal. Specified activities are 1) participation in salmon fisheries and populations monitoring for development of more effective catch and population monitoring procedures, 2) participation on a technical team to develop and implement a process for prioritization and selection of recovery projects proposed by the Hood Canal community, 3) provide technical support in the counties' review of land use management measures by participating in technical workgroups to address land use management concerns affecting the recovery of salmon, and 4) monitoring recovery projects to ensure they are implemented as planned and intended results are achieved.

Project Ref	Grantee	Project Name	State
100088	NWIFC Nooksack Tribe	Nooksack Indian Tribe Coastal Salmon Initiative	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-30-SEP-01	Salmon Research, Monitoring, and Evaluation	$235,000	$0	Puget Sound

Project Description

This project contains the first year of the Nooksack Tribes' Pacific Coastal Salmon Recovery projects. Elements include operation of the South Fork Nooksack rotary screw trap (live capture and release of emigrating salmonid juveniles) for collection of biological data such as DNA fin snips on fry and smolts and scale collections on smolts caught in the trap, which augment DNA, scale, otolith marking, and coded-wire tag data retrieved during spawn surveys. In addition to screw trap operations, a pilot project to characterize rearing use in the South Fork and lower 36 miles of the Nooksack River basin is in progress and will be complete by Fall of 2000.

Project Ref	Grantee	Project Name	State
100000	NWIFC Makah Tribe	Lake Ozette Watershed Hydrologic Investigations	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-SEP-01-31-DEC-05	Salmon Research, Monitoring, and Evaluation	$56,218	$0	Washington

Project Description

This proposed research will build upon hydrologic research projects conducted with PCSR funding during FY01 (Phase 1) and FY02 (Phase2).

Phase 1 of the project (FY01) developed a hydraulic model of the Ozette River to determine the backwater effects of large wood debris on lake level and the influence of historic wood removal on lake levels. Results found that wood removal affected summer lake levels by as much as one (1) meter, which could significantly affect sockeye spawning habitat availability and quality around the lake. Phase 2 of the project (FY 02) developed a hydrologic water budget of the lake (i.e., inputs, outputs and storage) that incorporated an improved hydraulic model of the Ozette River, water quantity (stream flow) data from tributaries and the lake outlet through a newly installed stream gage network, enhanced lake level data from a lake stage gage, enhanced lake shoreline bathymetry from LiDAR laser altimetry surveys, and meteorological data from a new weather station. A combined hydraulic and hydrologic water budget model for Lake Ozette is currently in the construction phase and will identify relative hydrologic processes within the lake. These processes (i.e., drivers of the lake level regime) will then be compared to historical data series (air photos) to identify potential causes of impairment to Sockeye spawning beach habitat and identify potential restoration solutions.

The current proposal (FY03 Phase 3) consists of two tasks: 1) continuing the basic data collection needed to support the Lake Ozette water budget model; and 2) developing the initial phases of a detailed distributed watershed model of hydrologic runoff processes of tributaries to Lake Ozette.

Tasks:
1.Basic Data Collection:
Currently installed stream gages (i.e., Big River, Umbrella, Crooked, Coal Creeks, Ozette River, Lake Ozette Stage) will continue to be developed and maintained to produce the entire data set needed for proper Lake Ozette water budget development. Basic rating curves will be complete by the end of summer 2004.
2.Distributed Watershed Hydrologic Modeling:
Current stream flow data and hypotheses on physical processes indicate that historical and current road building and timber harvest could have significantly altered catchment water production, increased peak stream flows, reduced stream base flows, and significantly affected the level regime of Lake Ozette (e.g., Bosch and Hewlett 1982; Jones and Grant 1996; Lewis et al. 2001; Bowling et al. 2002). Due to a lack of any historical stream flow data in these streams, a detailed distributed watershed hydrology model will be constructed to simulate runoff regimes and processes from lake tributaries under various historic land use scenarios.

State of the art distributed watershed models now exist such as DHSVM, the Distributed Hydrology Soil Vegetation Model (Wigmosta et al. 1994; Wigmosta et al. 2002). Distributed watershed hydrology models can explicitly represent the effects of topography, roads, and vegetation on water fluxes through the landscape. They can accurately model runoff output under different land use scenarios such as old-growth with no roads, second-growth and partially roaded, differential timber ages and fully roaded, and differential timber ages and improved road systems (Storck et al. 1998; Storck et al. 1999; Bowling and Lettenmaier, 2001; Lamarche and Lettenmaier 2001; Wigmosta and Perkins 2001; Bowling et al. 2002). Current stream flow data from Lake Ozette tributaries (i.e., Big River, Umbrella, Crooked, Coal Creeks, Ozette River, Lake Ozette Stage) would be used to calibrate the distributed watershed model.

Once developed, the modeled hydrology of the lake¿s tributaries will serve as a historic baseline comparison to current hydrologic conditions. In addition, once combined with completed modeling efforts of historic conditions of the lake outlet (Ozette River) before wood removal (i.e., phase 1 above), a complete p

Project Ref	Grantee	Project Name	State
100004	NWIFC Makah Tribe	Lake Ozette Sockeye Population Monitoring	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	31-JAN-04-31-DEC-05	Salmon Research, Monitoring, and Evaluation	$113,485	$0	Washington Coastal

Project Description

The project will contribute to salmon recovery by addressing specific goals, research needs, and monitoring identified in the Lake Ozette Sockeye HGMP (Makah 2000). The five main components are listed below:
A) Lake Ozette Sockeye Smolt Trapping (Ozette River)
B) Lake Ozette Sockeye Adult Run Size Estimation (Ozette River Weir)
C) Umbrella Ck. Adult Sockeye Escapement (Weir tagging/recovery)
D) Sockeye/kokanee spawner surveys/otolith and genetic sampling and analyses (Lake and Tributaries of the Ozette basin)
E) Juvenile sockeye marking (Umbrella Creek Hatchery and Makah National Fish Hatchery)

Task A) A preliminary ranking of research needs and suspected limiting factors by impacts on life stage was developed by the Lake Ozette Habitat Technical Work Group (HGMP Appendices A and B). Both identified smolt monitoring as the highest priority need, as did the Lake Ozette Sockeye Supplementation Technical Work Group. Annual smolt abundance estimates and trends in freshwater and marine productivity of hatchery- and natural-origin sockeye are critical needs to determine stock status, recovery goals, and effectiveness of hatchery supplementation activities

Lake Ozette Sockeye Smolt Trapping in the Ozette River will measure total smolt production in the Ozette basin for all salmonid species. These smolt abundance estimates are necessary to measure marine and freshwater survival and productivity (smolts per spawner), to measure the relative contributions of natural- and hatchery-origin sockeye to the total sockeye smolt yield, and to estimate post-release survival rates of hatchery-origin Lake Ozette sockeye smolts. All of these performance indicators are integral to evaluating and refining recovery efforts.

Task B) Adult sockeye run size entering Lake Ozette is monitored annually to estimate abundance and productivity. This is necessary for recovery of the Lake Ozette sockeye ESU. Detailed adult sockeye run size enumeration is conducted annually by Makah Fisheries Management using an underwater video camera on the Ozette River weir, operated 24 hours per day, excluding minor stoppages due to equipment failure or human error. Resulting abundance estimates for natural- and hatchery-origin adult sockeye are determined by reviewing camera images for adipose fin clip ratios (a known proportion of hatchery fingerling releases are adipose clipped) and subsequently compared to estimates from both the adult weir at Umbrella Creek and stream spawner surveys.

Computer software is used in conjunction with manual QC review methods to review fish passage and identify adipose clips and predation marks. The resulting estimates of survival to adult return are essential to monitor the status of this ESU. The methods utilized are resulting in increasingly accurate measurements of abundance for this ESU, and provide significant savings in technician hours and costs, enabling work on other elements of salmon recovery.

Task C) This task will monitor adult sockeye escapement to Umbrella Creek by enumerating the total run and its subcomponents (hatchery- and natural-origins). Adipose clips and otolith marks will be used to detect hatchery fish and identify their release groups. Adult upstream migrants will be externally tagged at a weir located at RM 1.0 in Umbrella Creek. Subsequent observation of the tag and clip ratios of spawned out carcasses recovered in foot surveys on the spawning grounds in Umbrella Creek will be used to calculate total escapement.

The resulting escapement estimate will be subtracted from the total run size measured entering the lake at the Ozette River weir (Task B) to derive the abundance of the listed lake spawning population (after computing additional natural holding and predation mortalities). The Lake Ozette Sockeye Steering Committee and an independent panel of fisheries experts identified this project as a critical monitoring component. It is needed to ensure that tributary populations do n

Project Ref	Grantee	Project Name	State
100001	NWIFC Makah Tribe	Lake Ozette sockeye population monitoring	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-03	Salmon Research, Monitoring, and Evaluation	$165,589	$0	Washington Coastal

Project Description

Tasks involved in meeting the Lake Ozette sockeye population monitoring project goals identified in the Lake Ozette Sockeye Hatchery and Genetics Monitoring Plan (HGMP) include: A) Lake Ozette Sockeye Smolt Trapping in the Ozette River, B) Lake Ozette Sockeye Adult Run Size Estimation at the Ozette River weir, C) Adult Sockeye Lake Hydroacoustic Abundance Surveys, D) Umbrella Creek Adult Sockeye Escapement (Weir tagging/recovery), and E) Sockeye/kokanee spawner surveys, otoliths and genetic sampling and analyses (Lake and tributaries of the Ozette basin).

Project Ref	Grantee	Project Name	State
100045	NWIFC Makah Tribe	Lake Ozette Sockeye Recovery	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$248,812	$0	Washington Coastal

Project Description

Tasks involved in meeting the Lake Ozette sockeye population monitoring project goals identified in the Lake Ozette Sockeye Hatchery and Genetics Monitoring Plan (HGMP) include: A) Lake Ozette Sockeye Smolt Trapping in the Ozette River, B) Lake Ozette Sockeye Adult Run Size Estimation at the Ozette River weir, C) Adult Sockeye Lake Hydroacoustic Abundance Surveys, D) Umbrella Creek Adult Sockeye Escapement (Weir tagging/recovery), and E) Sockeye/kokanee spawner surveys, otolith and genetic sampling and analyses (Lake and tributaries of the Ozette basin).

Project Ref	Grantee	Project Name	State
100020	NWIFC Lummi Nation	Lummi Nation Chinook Salmon Recovery Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-JUL-03	Salmon Research, Monitoring, and Evaluation	$417,500	$0	Puget Sound

Project Description

Policy and technical coordination of Lummi Salmon Recovery activities; Development of a WRIA 1 GIS linked attribute database with initial emphasis on the North Fork and South Fork of the Nooksack River; Monitoring and evaluation of fisheries management and evaluation plans and Hatchery Genetic and Management Plans (HGMP).

Project Ref	Grantee	Project Name	State
100058	NWIFC Lummi Nation	Lummi Nation Chinook Salmon Recovery Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$282,500	$0	Puget Sound

Project Description

Policy and technical coordination of Lummi Salmon Recovery activities; Development of a WRIA 1 GIS linked attribute database with initial emphasis on the North Fork and South Fork of the Nooksack River; Monitoring and evaluation of fisheries management and evaluation plans and Hatchery Genetic and Management Plans (HGMP). Chinook released by Lummi from the lower river and the Lummi Bay seaponds will be coded wore tagged to monitor contributions to fisheries and investigate stray rates. Existing information will be reviewed to identify an acceptable RER to account for treaty fisheries without impeding recovery of stocks. A sampling program will be established to investigate basic life history information and co-occurrence of hatchery and natural origin juveniles and adults with the objective of filling existing data gaps and identifying potential interactions between hatchery and natural origin chinook and coho.

Project Ref	Grantee	Project Name	State
LEK-04-2	NWIFC Lower Elwha Klallam Tribe	Strait of Juan de Fuca Escapement Monitoring	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	30-SEP-05-15-FEB-06	Salmon Research, Monitoring, and Evaluation	$70,000	$0	Washington Coastal

Project Description

Continue annual evaluation of coho, chinook and chum salmon population abundance through redd/adult countring in Strait of Juan de Fuca tributaries. Counts are conducted on 60 different index areas, 5-7 times between October and late January by teams of field observers.

Project Ref	Grantee	Project Name	State
LEK-04-3	NWIFC Lower Elwha Klallam Tribe	Strait of Juan de Fuca Smolt Outmigration Monitoring	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	15-MAR-05-31-JUL-05	Salmon Research, Monitoring, and Evaluation	$50,000	$0	Washington Coastal

Project Description

Conduct smolt outmigration monitoring at 6 Strait of Juan de Fuca tributaries using both fence weirs and rotary screw traps. Use fence weirs to estimate abundance on Salt and Deep Creeks as well as the East and West Twin Rivers. Use rotary screw traps to estimate smolt outmigration on the Pysht and Elwha Rivers.

Project Ref	Grantee	Project Name	State
104002	NWIFC Lower Elwha Klallam Tribe	SJF Coho Escapement Methodology	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-01-FEB-04	Salmon Research, Monitoring, and Evaluation	$98,957	$0	Puget Sound

Project Description

Implement a habitat based escapement methodology for adult coho escapement in Strait of Juan de Fuca streams. Conduct foot based redds counts in 65 miles of SJF streams on a 7-10 day interval recording cumulative number of redds as index of fish abundance. Modify escapement calculations based upon improvements in methodology.

Project Ref	Grantee	Project Name	State
100018	NWIFC Lower Elwha Klallam Tribe	Monitoring Salmon Fisheries and Populations	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-03	Salmon Research, Monitoring, and Evaluation	$158,137	$0	Puget Sound

Project Description

Provide accountability and understanding of population dynamics.

Project Ref	Grantee	Project Name	State
100056	NWIFC Lower Elwha Klallam Tribe	Monitoring Salmon Fisheries and Populations	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$86,142	$0	Puget Sound

Project Description

Provide accountability and understanding of population dynamics. The Tribe will participate in a U&A-wide coordinated harvest monitoring program, and will independently implement spawning surveys and smolt trapping efforts in selected streams in Strait of Juan de Fuca streams. Harvest monitoring and spawning ground surveys and smolt trapping will also occur.

Project Ref	Grantee	Project Name	State
100083	NWIFC Lower Elwha Klallam Tribe	Monitoring Salmon Fisheries and Populations	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-30-SEP-01	Salmon Research, Monitoring, and Evaluation	$68,700	$0	Puget Sound

Project Description

Provide accountability and understanding of population dynamics. The Tribe will cooperatively participate in a U and A-wide coordinated harvest monitoring program, and will independently implement spawning surveys and smolt trapping efforts in selected streams in the Strait of Juan de Fuca. Spawning ground surveys and smolt trapping efforts are also planned.

Project Ref	Grantee	Project Name	State
100007	NWIFC Hoh Tribe	Large Wood and Coarse Sediment Storage in Headwater Streams, Phase	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-02-30-JAN-04	Salmon Research, Monitoring, and Evaluation	$22,240	$0	Washington Coastal

Project Description

Phase III project objectives are to 1) Describe and document the role of large riparian trees in the storage of coarse sediments in headwater streams, and 2) Investigate the role of large riparian standing trees in mitigating the negative impacts of catastrophic landslides in the channels of headwater streams. Objectives will be achieved through field data collection and data analysis, as well as production of a final report and publication. Phase III is a continuation of work begun in FY 2001. The emphasis for this phase will be on data analysis and production of a summary data report.

Project Ref	Grantee	Project Name	State
100008	NWIFC Hoh Tribe	Groundwater and Heat Transport in the Hoh River Watershed: A pilot stud	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-02-30-SEP-03	Salmon Research, Monitoring, and Evaluation	$0	$0	Washington Coastal

Project Description

This project is part II of a phased project to examine the response of groundwater heat transport to management practices. The study investigates the potential for heated groundwater to be transported to fishbearing streams where it may impact salmonids and their food web by raising stream temperatures. Phase II consists of the second year of data collection, including the instrumentation of sites by installing wells along transects instrumented with continuous recording pressure transducers (for subsurface water levels) and temperature probes. Soil moisture and temperature and streambed seepage are being measured on a semi-monthly schedule. Products of the project include analysis of the data and a bibliography and literature review. Phase 1 (FY 2001) developed monitoring methods and identification of potential sampling sites in the Hoh River watershed.

Project Ref	Grantee	Project Name	State
102004	NWIFC Hoh Tribe	Hoh Watershed Monitoring Program	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-APR-04-30-OCT-04	Salmon Research, Monitoring, and Evaluation	$30,383	$0	Washington Coastal

Project Description

The following work has been accomplished to date:

Development of a Work Plan - The Work Plan provides organizational structure for the monitoring program. It's purpose is to articulate the objectives of each element of the WMP, to clearly identify sites where each type of data will be collected and articulate the rationale for site selection, and to provide an overview of methods.

Appendices to the Work Plan provide specific sampling protocols and data collection forms to be used for each aspect of the WMP.

The document is organized as follows:

?□Program Objectives
?□Program Structure
?□Sampling Methods
?□Data Management
?□Appendices

Development of Database ¿ a spatially explicit, query-able database of information for the Hoh River watershed linked to a GIS. Existing data sets from the Hoh Tribe have been reviewed, weeding out redundancy and streamlining the data structure. A draft of the structure of the historical data is being finalized and communicated to our database developer to guide the structure of the Access database that will house all the historic, current, and future data.

Data collection ¿ Much work completed!

1.□We developed a list of sites at which to monitor various water quality and fish habitat parameters, and field checked the sites. We're looking at both reference (Olympic National Park and other unmanaged sub-watersheds) and managed sites.

2.□We chose equipment and monitoring methods, trained staff and installed the equipment.

3.□We have a system in place for the water quality measurements and have collected data on dissolved oxygen, temperature, pH, and turbidity for all selected sites for July.

4.□We are nearly through with the task of measuring stream gradients where fish have been previously identified in steep streams, and looking for fish in headwaters.

5.□We have incidental observations on amphibians in 7 ¿ 10 headwater streams in managed areas.

6.□Clay point source surveys has been conducted, and a map developed.

7.□We have nearly completed the pebble counts and embeddedness surveys.

Still to do:

8.□Channel morphology cross-section surveys will be conducted in September during low flows.

9.□We will install the continuous turbidimeters as soon as they're calibrated and sites are confirmed.

10.□A spot-check culvert assessment will be conducted when after we get the final culvert map from our GIS contractor and determine where landowners have inventoried their roads for fish passage barriers.

The bibliography of Hoh Watershed relevant literature is ongoing, but currently includes 75 references.

An Interim Project Report was received and reviewed in April 2003, describing the methods, survey timing, locations of monitoring sites, and summarizing data. This report was shared with the NWIFC, Washington Department of Fish and Wildlife, and the Washington Department of Ecology. Data are also being shared with Olympic National Park.

2.□What tasks do you have left in order to finish the project and when will the project be completed?

The work plan needs to be completed, the Access Database needs to be finalized and tested, and the accompanying GIS needs to be fully linked. These tasks are expected to be completed in late fall.

Once those tasks are complete, this is an ongoing monitoring program to be fully used in the support of salmon protection and management of the Tribe's natural resources!

Project Ref	Grantee	Project Name	State
100009	NWIFC Hoh Tribe	Hoh Basin Perennial Initiation Point Survey Project, Year 2	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-SEP-02-15-DEC-02	Salmon Research, Monitoring, and Evaluation	$15,000	$0	Washington Coastal

Project Description

This project investigates the distribution of perennial and seasonal streams in mature and managed forested sub-basins in the Hoh River Watershed. First year surveys (2001) must be replicated to evaluate if the zones of perennial flow change from year to year. Data collection will be conducted according to the CMER Perennial Stream Survey Field Sample Protocol (version 1.21). The project supports adaptive management related to water typing in headwater streams.

Project Ref	Grantee	Project Name	State
100011	NWIFC Hoh Tribe	Mature Forests and Landslide Recovery- A Pilot Study	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-15-SEP-03	Salmon Research, Monitoring, and Evaluation	$30,300	$0	Washington Coastal

Project Description

Development of a methodology and sample design for analysis of the differences in recovery of landslide areas between mature forests and second-growth forests. The study will address whether forest stand conditions on landslides entering rivers have a significant effect on aquatic habitat condition, water quality, the time scale of impacts, and the rate of forest recovery on the failed hill slope. The results of the investigation will allow a scientific assessment of stream buffer guidelines in areas susceptible to mass wasting delivery to riverine environments. The area of study for the pilot project is unmanaged and second growth forested sites in Olympic National Park in the Hoh River watershed and the Queets River watershed.

Project Ref	Grantee	Project Name	State
100199	NWIFC Hoh Tribe	Riparian Reference Condition Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$2,000	$0	Washington Coastal

Project Description

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Project Ref	Grantee	Project Name	State
100200	NWIFC Hoh Tribe	Lower Hoh CMZ Study	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$20,000	$0	Washington Coastal

Project Description

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Project Ref	Grantee	Project Name	State
100047	NWIFC Hoh Tribe	Large Wood and Coarse Sediment Storage in Headwater Streams, Phase	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$39,986	$0	Washington Coastal

Project Description

Phase II project objectives are to 1) Describe and document the role of large riparian trees in the storage of coarse sediments in headwater streams, and 2) Investigate the role of large riparian standing trees in mitigating the negative impacts of catastrophic landslides in the channels of headwater streams. Objectives will be achieved through field data collection and data analysis, as well as production of a final report and publication.

Project Ref	Grantee	Project Name	State
100048	NWIFC Hoh Tribe	Groundwater and Heat Transport in the Hoh River Watershed: A pilot stud	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$71,359	$0	Washington Coastal

Project Description

This project is part II of a phased project to examine the response of groundwater heat transport to management practices. The study investigates the potential for heated groundwater to be transported to fishbearing streams where it may impact salmonids and their food web by raising stream temperatures. Phase II consists of the second year of data collection, including the instrumentation of sites by installing wells along transects instrumented with continuous recording pressure transducers (for subsurface water levels) and temperature probes. Soil moisture and temperature and streambed seepage are being measured on a semi-monthly schedule. Products of the project include analysis of the data and a bibliography and literature review. Phase 1 (FY 2001) developed monitoring methods and identification of potential sampling sites in the Hoh River watershed.

Project Ref	Grantee	Project Name	State
100049	NWIFC Hoh Tribe	Hoh Basin Perennial Initiation Point Survey Project, Phase I	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-SEP-01-15-NOV-01	Salmon Research, Monitoring, and Evaluation	$12,500	$0	Washington Coastal

Project Description

This project investigates the distribution of perennial and seasonal streams in mature and managed forested sub-basins in the Hoh River Watershed. First year surveys (2001) must be replicated in 2002 to evaluate if the zones of perennial flow change from year to year. Data collection will be conducted according to the CMER Perennial Stream Survey Field Sample Protocol (version 1.21). The project supports adaptive management related to water typing in headwater streams.

Project Ref	Grantee	Project Name	State
100203	NWIFC Hoh Tribe	Hoh River Watershed Monitoring Program	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$20,000	$0	Washington Coastal

Project Description

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Project Ref	Grantee	Project Name	State
100204	NWIFC Hoh Tribe	Landslide Study	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Salmon Research, Monitoring, and Evaluation	$35,000	$0	Washington Coastal

Project Description

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Project Ref	Grantee	Project Name	State
100077	NWIFC Hoh Tribe	Large Wood and Coarse Sediment Storage in Headwater Streams	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-30-SEP-00	Salmon Research, Monitoring, and Evaluation	$43,090	$0	Washington Coastal

Project Description

This project was initially named "Big Wood and Coarse Sediment Storage". Project objectives are to 1) Describe and document the role of large riparian trees in the storage of coarse sediments in headwater streams, and 2) Investigate the role of large riparian standing trees in mitigating the negative impacts of catastrophic landslides in the channels of headwater streams. Objectives will be achieved through field data collection and data analysis, as well as production of a final report and publication.

Project Ref	Grantee	Project Name	State
100078	NWIFC Hoh Tribe	Groundwater and Heat Transport in the Hoh River Watershed: A pilot stud	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-30-SEP-01	Salmon Research, Monitoring, and Evaluation	$102,400	$0	Washington Coastal

Project Description

This project is part I of a phased project to examine the response of groundwater heat transport to management practices. Phase 1 (FY 2001) developed monitoring methods and identification of potential sampling sites in the Hoh River watershed to investigate the potential for heated groundwater to be transported to fishbearing streams where it may impact salmonids and their food web by raising stream temperatures. This phase also includes conducting a Forward Looking Infrared Flight (FLIR) over the Hoh River from the mouth to River Mile 36 on the mainstem and RM 10 on the South Fork. Cold groundwater recharge area data from the flight will be used to further develop and understand proposed temperature criteria and specific life history utilization of specific habitats by different fish species (coho, chinook, steelhead, and bull trout) within the river system. The Tribe proposes installing instruments in selected basins.

Project Ref	Grantee	Project Name	State
100093	NWIFC Hoh Tribe	Hoh Basin Tree Growth Rate Project	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-30-SEP-01	Salmon Research, Monitoring, and Evaluation	$14,009	$0	Washington Coastal

Project Description

The project proposes to address sustainability and function of forested wetlands by measuring tree growth rates across a forested river basin through different types of soil and hydrologic regimes. Multiple transects will be installed across the Hoh Basin from Willoughby Ridge on the north side of the river to Huelsdonk Ridge on the south side. Plots will be established along the transects in which data will be collected on tree species, height, DBH and age; degree of soil saturation, and soil type associated with the rooting zone of each tree; and hydrogeomorphic position of the wetland on the landscape. Tables documenting the data will be developed and made available in a report.

Project Ref	Grantee	Project Name	State
720	KRITFWC Yurok Tribe	Blue Creek Snorkel Survey	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	15-SEP-03-30-APR-04	Salmon Research, Monitoring, and Evaluation	$40,000	$0	Klamath

Project Description

This project is a continuation of long-term monitoring and assessment efforts of Blue Creek anadromous salmonid runs. Blue Creek is the only remaining drainage in the lower Klamath sub-basin which supports sizable runs of chinook and coho salmon, and the ongoing monitoring of the status of these fish runs is essential in order to accurately assess the status of wild salmonid runs of the Lower Klamath River Basin.

Project Ref	Grantee	Project Name	State
721	KRITFWC Yurok Tribe	Lower Klamath Tributary Outmigrant Trapping	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-MAR-04-31-AUG-04	Salmon Research, Monitoring, and Evaluation	$65,000	$0	Klamath

Project Description

This project is a continuation of long-term monitoring activities within three anadromous fish-bearing tributaries to the Lower Klamath River, within the Yurok Reservation. These annual outmigrant trapping activities were intiated in lower Blue Creek, MaGarvey Creek, and Terwer Creeks in 1995, 1997, and 2001 respectively.

Project Ref	Grantee	Project Name	State
723	KRITFWC Yurok Tribe	Klamath River Flow Study Activities	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-MAR-04-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$106,000	$0	Klamath

Project Description

Thermal Refugia Investigations
Collection of thermal refugia data continued in 2004 adding to the long-term data set describing the field based temperature tolerance of both adult and juvenile salmonids in the Klamath Basin. T

Preliminary analysis of results shows that thermal refugia (cool-water creek mouths, and spring seeps) sites provided refuge from elevated water temperatures often encountered during the Klamath River during summer months.

Data anaylysis and drafting of a report regarding the past few years of refugila data is currently underway.

Klamath Basin Water Temperature Monitoring
Water temperature monitoring occured throughout the Klamath Basin at approximately and the Division has increased 25 locations. A technical memo has been produced documenting the work conducted for this project and the data available.

Adult Spring and Fall Chinook Salmon Migration Study
Investigation of adult chinook migration using radio telemetry by the YTFP began in 2002 with the tagging of 30 spring chinook. After the massive September 2002 fall chinook fish kill, PSF funds were used to augment other funding during 2003 and 2004, so that the scope fo the study could be expanded to include fall chinook. Methods employed were the same for both spring and fall chinook, which focused on the use of temperature sensitive radio transmitters to track the movements and monitor the internal body temperatures of adult chinook during upriver migration. Manual tracking and fixed site passive listening stations were used to determine fish movements. Approximately 50 adult chinook were tagged throughout the fall run of 2003 in or near the Klamath River estuary and to date over 100 chinook have been tagged in 2004. All tagged salmon were tracked as near as possible to their respective holding or spawning areas.

Combined with data from automated listening stations, external archival temperature tags, and river temperature monitoring, the results of this on-going study will continue to provide valuable information on the migration behavior (ex. travel rates, thermal refugia use, migration paths), and resulting thermal experience for adult chinook in the Klamath River basin. Data analysis and report writing are in progress.

This project is a critical step towards understanding environmental thresholds for migration and the role of thermal refugia in mitigating stress and mortality from adverse conditions during upriver migration. In turn this knowledge can be applied by managers to maximize migration success and reduce the risk of future disease outbreaks.

Project Ref	Grantee	Project Name	State
02-225	KRITFWC Yurok Tribe	Blue Creek Snorkel Surveys	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-SEP-02-11-DEC-02	Salmon Research, Monitoring, and Evaluation	$40,000	$0	Lower Sacramento

Project Description

This project is a component of long-term monitoring and assessment efforts of Blue Creek anadromous salmonid runs. This project consists of conducting bi-weekly snorkel surveys to monitor the abundance of adult chinook and coho salmon to the Basin. Blue Creek is the only remaining drainage in the lower Klamath sub-basin which supports sizable runs of chinook salmon (Oncorhynchus tshawytscha) and coho salmon (O. kisutch), which are part of the Southern Oregon and Northern California Coho Salmon ESU that is listed as threatened under the Federal Endangered Species Act. Blue Creek comprises some of best fisheries habitat in the Lower Klamath Basin, largely because of the relatively pristine condition of much of the headwaters within the drainage.

Project Ref	Grantee	Project Name	State
02-226	KRITFWC Yurok Tribe	Terwer Creek Snorkel Surveys	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	10-JAN-03-20-MAY-03	Salmon Research, Monitoring, and Evaluation	$20,000	$0	Klamath

Project Description

This project ncluded monitoring of adult steelhead anundance and distribution in Terwer Creek, a major Lower Klamath River tributary where watershed restoration activities are planned to be implemented in the near future.

Project Ref	Grantee	Project Name	State
02-227	KRITFWC Yurok Tribe	Lower Klamath Tributary Outmigrant Trapping	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	26-FEB-03-19-AUG-03	Salmon Research, Monitoring, and Evaluation	$65,000	$0	Klamath

Project Description

This project includes downstream migrant monitoring of chinook salmon, coho salmon and steelhead in Blue, McGarvey and Terwer Creeks. This project is the continuation of a long-term monitoring effort to obtain baseline information regarding salmonid populations in these tributaries that are undergoing upslope restoration to reduce sedimentation. This project quantitatively determined the production of juvenile chinook, coho, and steelheas, and cutthroat trout emigrating from these basins during 2003.

Project Ref	Grantee	Project Name	State
02-228	KRITFWC Yurok Tribe	Klamath River Flow Study Activities	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-03-31-OCT-03	Salmon Research, Monitoring, and Evaluation	$130,000	$0	Klamath

Project Description

This project is to continue long-term investigations into the relationship between Klamath River flows and the health of anadromous salmonid populations harvested by the Yurok Tribe.

Project Ref	Grantee	Project Name	State
02-231	KRITFWC Yurok Tribe	Federal Coho Technical Recovery Team (TRT) Participation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-03-30-SEP-03	Salmon Research, Monitoring, and Evaluation	$10,000	$0	Klamath

Project Description

This project is to pay the wages for Dave Hillemeier, Yurok Tribal Fisheries Program Manager, to participate on the Federal Technical Recovery Team for the Southern Oregon/Northern Califfornia Coastal Coho Salmon ESU.

Project Ref	Grantee	Project Name	State
KRITFWC - Yuro	KRITFWC Yurok Tribe	Klamath River Ecological Investigations	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAR-00-01-DEC-00	Salmon Research, Monitoring, and Evaluation	$99,985	$0	Klamath

Project Description

Conduct studies so that flow recommendations are based on the best science available. Conducted studies to determine the quantity and quality of water needed to support healthy fish

Project Ref	Grantee	Project Name	State
KRITFWC - Yuro	KRITFWC Yurok Tribe	Lower Klamath Tributary Water Quality Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-SEP-00-01-MAY-02	Salmon Research, Monitoring, and Evaluation	$20,000	$0	Klamath

Project Description

A continuously recording staff gauge was installed in McGarvey Creek and equipment was purchased to assist with nstallation of a continuously recording gauge in Terwer Creek. Assistance was also provide for monitoring water quality in McGarvey Creek.

Project Ref	Grantee	Project Name	State
KRITFWC - Yuro	KRITFWC Yurok Tribe	Assessment of Anadromous Salmonid Stocks in Blue Creek	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAR-00-01-DEC-00	Salmon Research, Monitoring, and Evaluation	$70,016	$0	Klamath

Project Description

Assess juvenile and adult salmonid abundance. Assessed juvenile emigration and adult spawning escapement

Project Ref	Grantee	Project Name	State
12004	KRITFWC Karuk Tribe	Determine distribution of C. Shasta within the Middle Klamath River Basin	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$57,000	$0	Klamath

Project Description

Juvenile salmonid out-migrants suffer from infections of the Ceratomyxa Shasta annually in the Klamath River. Ceratomyxa Shasta has an indirect life cycle associated with the freshwater polychaete Manaynkia speciosa. It has been suggested that changes in the water quality of the river may have caused changes in the distribution and number of the polychaete intermediate hosts. The polychaete prefer habitat associated with poor water quality conditions. This sutdy will further the knowledge of existing Klamath water quality conditions and offer correlations between water quality parameters, host organisms, and habitat. This study will further the understanding of fish species and life stage infection levels, parasite distribution and its spatial and temporal variability longitudinally throughout the Midddle Klamath River downstream of the Iron Gate Dam. The Karuk Tribe will consult with researchers to develop a comprehensive study plan that incorporates other C. Shasta study efforts underway in the Klamath Basin.

Project Ref	Grantee	Project Name	State
22004	KRITFWC Karuk Tribe	Middle Klamath River Tributary Summer Steelhead and Spring Chinook Sn	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$12,000	$0	Klamath

Project Description

The project objective is to continue long-term adult summer steelhead and spring chinook population monitoring on major Middle Klamath River tributaries. Snorkel surveys will be conducted during the summer months on the Salmon River, Wooley Creek, Bluff Creek, Red Cap Creek, Camp Creek, Dillon Creek, Clear Creek, Elk Creek, Indian Creek, Thompson Creek, Grider Creek, and the lower Scott River. Surveys will be conducted in coordination with other participating agencies and tribes.

Project Ref	Grantee	Project Name	State
32004	KRITFWC Karuk Tribe	Indian Creek Juvenile Salmonid Outmigrant Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$45,000	$0	Klamath

Project Description

The purpose of this project is to estimate the abundance and production of juvenile salmonids from Indian Creek. Adult fall Chinook escapement and juvenile abundance surveys were discontinued in 1997 due to stream access and private property issues. An outmigrant rotary trap site has been established adjacent to Karuk Tribal land near the mouth of Indian Creek. Standard mark and recapture methods will be used to estimate juvenile salmonid production from Indian Creek. A USGS stream gauge is located up stream of the trap site where flow data can support population estimates. Longterm monitoring of Southern Oregon/Northern California ESU coho smolt production from Indian Creek is the primary goal of this project.

Project Ref	Grantee	Project Name	State
42004	KRITFWC Karuk Tribe	Water quality & stream flow assessment for Mainstem Klamath R. & Tribs	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$20,000	$0	Klamath

Project Description

The objective of this project is to assess water quality and quantity parameters in the mainstem Klamath River and its tributaries within the Karuk Ancestral Territory. Water tempertature data loggers will be placed in all significant tributaties and bracketed in teh mainstem around major tributaties. Summer low flow discharge measurements will be conducted monthly on all significant tributaries in the project area to establish baseline discharge information. Standard water quality parameters (dissolved oxygen, turbidity, conductivity, pH, temperature) will be measured weekly in major tributaries using a hand held probe.

Project Ref	Grantee	Project Name	State
52004	KRITFWC Karuk Tribe	Use of Klamath River Mainstem and Tributary Habitats by Adult and Juven	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$54,000	$0	Klamath

Project Description

The objective is to continue to determine critical adult spawning sites, juvenile migration characteristics and over winter/summer rearing sites in the mainstem Klamath River and its tributaries between the Scott River confluence and Trinity River confluence. Adult spawning sites and habitat characteristics will be inventoried and added to a GIS database. Migration characteristics associated with age, size, and seasonal habitat preference will be documented. This will include identification of stranding areas on the mainstem Klamath and analysis of stranding causes. Seasonal rearing sites will be inventoried and added to a GIS database. Identified rearing areas will then be analyzed for connectivity to the mainstem Klamath River migration corridor.

Project Ref	Grantee	Project Name	State
62004	KRITFWC Karuk Tribe	Klamath River Flow Study Activities Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$35,000	$0	Klamath

Project Description

The purpose of this request is to support the Klamath River Flow Study efforts. Karuk fisheries staff will assist other Klamath River tribes and agencies working on components of the flow study project such as fish kill monitoring and response team, development of SALMOD, fish stranding and water quality monitoring.

Project Ref	Grantee	Project Name	State
12003	KRITFWC Karuk Tribe	Middle Klamath River Tributary Summer Steelhead and Spring Chinook Sn	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$13,000	$0	Klamath

Project Description

The project objective is to continue long-tem adult summer steelhead and spring Chinook population monitoring on major Middle Klamath River tributaries. Snorkel surveys will be conducted during the summer months on the Salmon River, Wooley Creek, Bluff Creek, Red Cap Creek, Camp Creek, Dillon Creek, Clear Creek, Elk Creek, Indian Creek, Thompson Creek, Grider Creek, and the lower Scott River. Surveys will be conducted in coordination with other participating agencies and tribes.

Project Ref	Grantee	Project Name	State
22003	KRITFWC Karuk Tribe	Indian Creek Juvenile Salmonid Outmigrant Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$60,000	$0	Klamath

Project Description

The purpose of this project is to estimate the abundance and production of juvenile salmonids from Indian Creek. Adult fall Chinook and coho salmon escapement and juvenile abundance surveys were discontinued in 1997 due to stream access and private property issues. An outmigrant rotary trap site will be established adjacent to Karuk Tribal land near the mouth of Indian Creek. Standard mark and recapture methods will be used to estimate juvenile salmonid production from Indian Creek.

Project Ref	Grantee	Project Name	State
42003	KRITFWC Karuk Tribe	Water Quality & stream flow assessment for Mainstem Klamath R. & Tribs	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-APR-03- -	Salmon Research, Monitoring, and Evaluation	$40,000	$0	Klamath

Project Description

The objective of this project is to assess water quality and quantity parameters in the mainstem Klamath River and its tributaries within the Karuk Ancestral Territory. Water tempertature data loggers will be placed in all significant tributaties and bracketed in teh mainstem around major tributaties. Summer low flow discharge measurements will be conducted monthly on all significant tributaries in the project area to establish baseline discharge information. Standard water quality parameters (dissolved oxygen, turbidity, conductivity, pH, temperature) will be measured weekly in major tributaries using a hand held probe.

Project Ref	Grantee	Project Name	State
52003	KRITFWC Karuk Tribe	Use of Klamath River Mainstem and Tributary Habitats by Adult and Juven	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$27,000	$0	Klamath

Project Description

The objective is to continue to determine critical adult spawning sites, juvenile migration characteristics and over winter/summer rearing sites in the mainstem Klamath River and its tributaries between the Scott River confluence and Trinity River confluence. Adult spawning sites and habitat characteristics will be inventoried and added to a GIS database. Migration characteristics associated with age, size, and seasonal habitat preference will be documented. This will include identification of stranding areas on the mainstem Klamath and analysis of stranding causes. Seasonal rearing sites will be inventoried and added to a GIS database. Identified rearing areas will then be analyzed for connectivity to the mainstem Klamath River migration corridor.

Project Ref	Grantee	Project Name	State
62003	KRITFWC Karuk Tribe	Klamath River Flow Study Activities Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$45,000	$0	Klamath

Project Description

The purpose of this request is to support the Klamath River Flow Study efforts. Karuk fisheries staff will assist other Klamath River tribes and agencies working on components of the flow study project such as fish kill monitoring and response team, development of SALMOD, fish stranding and water quality monitoring.

Project Ref	Grantee	Project Name	State
22002	KRITFWC Karuk Tribe	Use of Klamath River Mainstem Habitats by Adult and Juvenile and Dwarf	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03- -	Salmon Research, Monitoring, and Evaluation	$83,000	$0	Klamath

Project Description

The Karuk Tribe has been funded for the 2002 field season to study the use of the Klamath River Mainstem habitats by adult and juvenile pacific lamprey (Lampetra tridentate). This first year study will begin characterization of the population longitudinally from Iron Gate Dam to Aikens Creek. Hydraulic modeling using PHABSIM tools to analyze water management influences on the amount of habitat available will also begin with this first year project. Age-class strength estimates for ammocoetes will also take place the first year. We are proposing to continue the 2002 field season efforts into the 2003 field season. In addition to those tasks, adult run-size estimates, adult spawning habitat characterization and other general life history investigations will occur. Life history investigations will include population genetic analysis, run timing, and growth rate analysis. The effects, including susceptibility to disease, of predation from dwarf pacific lamprey on adult and juvenile salmonids will be assessed in the mainstem Klamath

Project Ref	Grantee	Project Name	State
42002	KRITFWC Karuk Tribe	Use of Klamath River Mainstem and Tributary Habitats by Adult and Juven	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03- -	Salmon Research, Monitoring, and Evaluation	$57,000	$0	Klamath

Project Description

The objective is to determine critical adult spawning sites, juvenile migration characteristics and over winter/summer rearing sites in the mainstem Klamath River and its tributaries between the Scott River confluence and Trinity River confluence. Adult spawning sites and habitat characteristic will be inventoried and added to a GIS database. Migration characteristics associated with age, size and seasonal habitat preference will be documented. This will include identification of stranding areas on the mainstem Klamath and analysis of stranding causes. Seasonal rearing sites will be inventoried and added into a GIS database. Identified rearing areas will then be analyzed for connectivity to the mainstem Klamath River migration corridor.

Project Ref	Grantee	Project Name	State
HVTFD-04-FYKE	KRITFWC Hoopa Valley Tribe	Abundance of Juvenile Salmonids in Tributary Streams of the Hoopa Valle	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	15-FEB-05-15-AUG-05	Salmon Research, Monitoring, and Evaluation	$56,000	$0	Klamath

Project Description

Fyke nets are used to monitor the abundance of out-migrating naturally spawned juvenile salmonids on seven streams located on the Hoopa Valley Indian Reservation. Six of these streams (Tish Tang Creek, Mill Creek, Hostler Creek, Supply Creek, Soctish Creek, and Campbell Creek) are tributaries of the Trinity River, while one of the streams, Pine Creek, is a tributary of the Klamath River. Anadromous salmonids found within these drainages include coho salmon (SONCC ESU) , Chinook salmon, and steelhead trout (Klamath Mountain Province). Traps are installed seasonally and checked daily throughout the sampling season, usually mid-February through mid-August. Sampling reoccurs annually, when funding is available, facilitating the documentation of indexed population trends over time. Mark/recapture methods for estimating trapping efficiency were continued this year.

Project Ref	Grantee	Project Name	State
TEPA-04-INVER	KRITFWC Hoopa Valley Tribe	Bentic Marco-Invertebrate Sampling	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-SEP-05-30-SEP-05	Salmon Research, Monitoring, and Evaluation	$12,498	$0	Klamath

Project Description

Project will establish the 4th year basline information concerning aquatic macro-invertebrate abundance and diversity. Trends in water quality and fish habitat conditions can be adequately evaluated as indictors of stream/river health.

Project Ref	Grantee	Project Name	State
HVTFD-03-COH	KRITFWC Hoopa Valley Tribe	Coho Genetics Study	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-SEP-03- -	Salmon Research, Monitoring, and Evaluation	$5,000	$0	Klamath

Project Description

The primary goal of this project was to assist in NOAA's attempt to identify independent populations of SONCC ESA coho salmon within the Trinity River basin through DNA analysis. Samples (fin clips) were to be preserved and shipped to the NOAA lab in Santa Cruz for analysis. Electrofishing was to be used to capture 75 young-of-the-year coho salmon (>70 mm fork length) from Mill Creek, an HVR tributary. Repeated attempts to locate a sufficient population for sampling through direct observation (snorkling) and electro- fishing failed, and the decision was made by NOAA (Tommy Wilson) to focus on streams outside of the Reservation. Funding was exausted by the time the decision to abandon the on-Reservation effort was made.

Project Ref	Grantee	Project Name	State
HVTFD-03-FYKE	KRITFWC Hoopa Valley Tribe	Abundance of Juvenile Salmonids in Tributary Streams of the Hoopa Valle	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	20-FEB-03-15-AUG-03	Salmon Research, Monitoring, and Evaluation	$51,000	$0	Klamath

Project Description

Fyke nets are used to monitor the abundance of out-migrating naturally spawned juvenile salmonids on seven streams located on the Hoopa Valley Indian Reservation. Six of these streams (Tish Tang Creek, Mill Creek, Hostler Creek, Supply Creek, Soctish Creek, and Campbell Creek) are tributaries of the Trinity River, while one of the streams, Pine Creek, is a tributary of the Klamath River. Anadromous salmonids found within these drainages include coho salmon (SONCC ESU) , Chinook salmon, and steelhead trout (Klamath Mountain Province). Traps are installed seasonally and checked daily throughout the sampling season, usually mid-February through mid-August. Sampling reoccurs annually, when funding is available, facilitating the documentation of indexed population trends over time. Mark/recapture methods for estimating trapping efficiency were continued this year.

Project Ref	Grantee	Project Name	State
HVTFD-02-FYKE	KRITFWC Hoopa Valley Tribe	Out-migrant Monitoring of Juvenile Salmonids. FY2002	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	20-FEB-02-15-AUG-02	Salmon Research, Monitoring, and Evaluation	$51,000	$0	Klamath

Project Description

Fyke nets are used to monitor the abundance of out-migrating naturally spawned juvenile salmonids on seven streams located on the Hoopa Valley Indian Reservation. Six of these streams (Tish Tang Creek, Mill Creek, Hostler Creek, Supply Creek, Soctish Creek, and Campbell Creek) are tributaries of the Trinity River, while one of the streams, Pine Creek, is a tributary of the Klamath River. Anadromous salmonids found within these drainages include coho salmon (SONCC ESU) , Chinook salmon, and steelhead trout (Klamath Mountain Province). Traps are installed seasonally and checked daily throughout the sampling season, usually mid-February through mid-August. Sampling reoccurs annually, when funding is available, facilitating the documentation of indexed population trends over time. Mark/recapture methods for estimating trapping efficiency were implemented this year.

Project Ref	Grantee	Project Name	State
TEPA-02-CDR	KRITFWC Hoopa Valley Tribe	Continuous Date Recorder data on Reservation Tributataries	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-APR-03-15-APR-04	Salmon Research, Monitoring, and Evaluation	$24,620	$0	Klamath

Project Description

Coordinated with Timber Sales to monitor long term effects of land management activities (road building, sylvacuture, timber harvest).

Project Ref	Grantee	Project Name	State
TEPA-02-MIVT	KRITFWC Hoopa Valley Tribe	Macroinvertibrate Sampling	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-01-NOV-02	Salmon Research, Monitoring, and Evaluation	$25,872	$0	Klamath

Project Description

Determines the health of streams through biological assessments of invertibrate populations.

Project Ref	Grantee	Project Name	State
TEPA-02-TEMP	KRITFWC Hoopa Valley Tribe	Stratified Pool Temperature Monitoring in Trinity River pools	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-02-01-NOV-02	Salmon Research, Monitoring, and Evaluation	$14,604	$0	Klamath

Project Description

Stratified sampling of pools over 25 feet deep in Trinity River

Project Ref	Grantee	Project Name	State
HVTFD-01-FYKE	KRITFWC Hoopa Valley Tribe	Out-migrant Monitoring of Juvenile Salmonids. FY2001	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-FEB-01-15-AUG-01	Salmon Research, Monitoring, and Evaluation	$48,000	$0	Klamath

Project Description

Fyke nets are used to monitor the abundance of out-migrating naturally spawned juvenile salmonids on seven streams located on the Hoopa Valley Indian Reservation. Six of these streams (Tish Tang Creek, Mill Creek, Hostler Creek, Supply Creek, Soctish Creek, and Campbell Creek) are tributaries of the Trinity River, while one of the streams, Pine Creek, is a tributary of the Klamath River. Anadromous salmonids found within these drainages include coho salmon (SONCC ESU) , Chinook salmon, and steelhead trout (Klamath Mountain Province). Traps are installed seasonally and checked daily throughout the sampling season, usually mid-February through mid-August. Sampling reoccurs annually, when funding is available, facilitating the documentation of indexed population trends over time. Nets are immediately upstream from the creek mouths; no spawning occurs down stream from the trap sites.

Project Ref	Grantee	Project Name	State
TEPA-01-CDR	KRITFWC Hoopa Valley Tribe	Continuous Date Recorder data on Reservation Tributataries	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-APR-02-15-APR-03	Salmon Research, Monitoring, and Evaluation	$25,600	$0	Klamath

Project Description

Coordinated with Timber Sales to monitor long term effects of land management activities (road building, sylvacuture, timber harvest).

Project Ref	Grantee	Project Name	State
TEPA-01-MIVT	KRITFWC Hoopa Valley Tribe	Macroinvertibrate Sampling	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-01-01-NOV-01	Salmon Research, Monitoring, and Evaluation	$12,000	$0	Klamath

Project Description

Determines the health of streams through biological assessments of invertibrate populations.

Project Ref	Grantee	Project Name	State
TEPA-01-TDO	KRITFWC Hoopa Valley Tribe	Dissolved Oxygen Monitoring in Lower Trinity River	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-APR-02-01-NOV-02	Salmon Research, Monitoring, and Evaluation	$9,000	$0	Klamath

Project Description

Determination of diurnal fluctiations in dissolved oxygen in Trinity River flow to examine effects of algae population blooms that were depleting oxygen causing fluctiations that could effect fish populations.

Project Ref	Grantee	Project Name	State
HVTDF-00-WC-S	KRITFWC Hoopa Valley Tribe	Monitor outmigration of juvenile salmonids from Willow Creek	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Research, Monitoring, and Evaluation	$26,118	$0	Klamath

Project Description

The original plan was to co-operate with USFWS to monitor outmigration of juvenile salmonids from Willow Creek, a tributary to the Trinity River(off Reservation). Because the project was shelved, funds were redirected to compensate for shortages in FY2001 habitat assessment funding (project number HVTFD-01-HAB). The FY2001 habitat assessment was completed(see entry below).

Project Ref	Grantee	Project Name	State
HVTFD-00-FYKE	KRITFWC Hoopa Valley Tribe	Out-migrant Monitoring of Juvenile Salmonids. FY2000	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	20-FEB-00-15-AUG-00	Salmon Research, Monitoring, and Evaluation	$30,018	$0	Klamath

Project Description

Fyke nets are used to monitor the abundance of out-migrating naturally spawned juvenile salmonids on seven streams located on the Hoopa Valley Indian Reservation. Six of these streams (Tish Tang Creek, Mill Creek, Hostler Creek, Supply Creek, Soctish Creek, and Campbell Creek) are tributaries of the Trinity River, while one of the streams, Pine Creek, is a tributary of the Klamath River. Anadromous salmonids found within these drainages include coho salmon (SONCC ESU) , Chinook salmon, and steelhead trout (Klamath Mountain Province). Traps are installed seasonally and checked daily throughout the sampling season, usually mid-February through mid-August. Sampling reoccurs annually, when funding is available, facilitating the documentation of indexed population trends over time. Nets are immediately upstream from the creek mouths; no spawning occurs down stream from the trap sites.

Project Ref	Grantee	Project Name	State
TEPA-00-HYDR	KRITFWC Hoopa Valley Tribe	Hydrologic Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-00-01-APR-01	Salmon Research, Monitoring, and Evaluation	$23,269	$0	Klamath

Project Description

Dtermination of amount of suspended sediment being carried in reservation streams, correnlated to land management activities.

Project Ref	Grantee	Project Name	State
TEPA-00-MIVT	KRITFWC Hoopa Valley Tribe	Macroinvertibrate Sampling	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-00-01-NOV-00	Salmon Research, Monitoring, and Evaluation	$10,815	$0	Klamath

Project Description

Determines the health of streams through biological assessments of invertibrate populations.

Project Ref	Grantee	Project Name	State
010 04 SA	ID OSC	Alternative Fish Screen Testing	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-30-OCT-05	Salmon Research, Monitoring, and Evaluation	$25,000	$4,700	Salmon

Project Description

There are currently no alternative fish screen designs approved by NOAA Fisheries and U.S. Fish and Wildlife Service for use on small tributary or headwater streams. The existing approved screen designs are costly and are often also physically impractical for use in many small tributary or headwater streams. An approved alternative screen design that is more practical for use in small streams, and less costly to construct and install, would facilitate completion of screening in many additional small streams and could also result in significant cost savings.

This project is designed to test an alternative screen designed by the Natural Resource Conservation Service and to determine if the screen can meet NOAA Fisheries and U.S. Fish and Wildlife Service approval. The Salmon River Coalition in coordination with the Upper Salmon Basin Watershed Project will contract to complete this testing.

Implementation of this project will benefit Snake River Basin ESU steelhead, Snake River ESU spring/summer run Chinook salmon, and Snake River sockeye salmon. The outcome of this project potentially will also provide substantial benefits to many other listed anadromous fish ESUs.

Project Ref	Grantee	Project Name	State
015 04 SA	ID OSC	Effectiveness Monitoring and Evaluation or Habitat Projects in the Lemhi R	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-30-DEC-05	Salmon Research, Monitoring, and Evaluation	$99,970	$124,928	Salmon

Project Description

Work completed under this project will provide evaluation of the effectiveness of habitat-improvement projects implemented in the Lemhi River. The objectives of this project include: characterization of the temporal and spatial trends in quality and availability of anadromous salmonid habitat; estimation of the numbers, age, sex, and size composition of upstream migration of adult Chinook salmon (escapement) into the Lemhi River; estimation of the number of redds constructed by spawning Chinook salmon in the Lemhi River subbasin; estimation of the numbers, age, and size composition of Chinook salmon in the juvenile outmigration from the Lemhi River; estimation of Chinook salmon juvenile densities in rearing areas and migratory corridors in the Lemhi River and in selected tributaries; application of PIT tags to a representative sample of juvenile salmon from the Lemhi River beginning in 2005 to estimate survival through the mainstem Columbia migration to Bonneville dam; and upon completion of the Habitat Conservation Plan, development of a detailed operational plan for monitoring and evaluation.

Tasks completed under this project will fall within six general areas: instream habitat data collection, spawning surveys, collection of anadromous juveniles, mainstem population surveys, tributary population sampling, and project planning/coordination. Project activities will delivery data on the current status of salmon and aquatic resources in the Lemhi River subbasin.

Effectiveness monitoring and evaluation of habitat project actions is essential to the success of conservation actions. Information gathered in effectiveness monitoring and evaluation activities will guide adaptive modification and future implementation of habitat improvement activities.

This project will take place on land that is 7% privately owned, 1% state owned, and 91% federally owned. Implementation of this project will benefit Snake River Basin ESU steelhead and Snake River ESU spring/summer run Chinook salmon. Bull trout, westslope cutthroat trout, mountain whitefish, and redband rainbow trout are also present in this watershed.

Project Ref	Grantee	Project Name	State
041 04 CW	ID OSC	Potlatch River Steelhead Population Monitoring and Evaluation	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-01-DEC-06	Salmon Research, Monitoring, and Evaluation	$164,405	$70,800	Clearwater

Project Description

Through this project IDFG will identify and develop indices to evaluate the biological responses to current and ongoing habitat improvement projects in the Potlatch River basin conducted by Latah Soil and Water Conservation district (Latah SWCD), Natural Resources Conservation Service (NRCS), IDFG, Idaho Soil Conservation Commission (ISCC), Idaho department of Lands (IDL), Clearwater National Forest (CNF), and private agriculture and timber landowners. In addition, IDFG will conduct monitoring and evaluation efforts related to habitat improvement projects within the drainage.

Latah SWCD, NCE, ISCC, IDFG, IDL, CNH and private agriculture and timber landowners are implementing conservation measures to address liming factors in the Potlatch River drainage. These limiting factors have been identified in a number of watershed assessments and actions to address factors in sub watersheds have been prioritized based on existing steelhead/rainbow trout resources. Comprehensive re-surveys were completed in 2003-2004 to validate 1005-1995 findings.
Currently, these conservation efforts do not have a developed or implemented monitoring or evaluation component. This project will monitor fisheries reposes to rehabilitation efforts through trend analysis of production and productivity of two index streams. In addition, to monitoring and evaluation, the project will provide much needed information on life history and levels of hatchery influence, if any, in the Potlatch River Basin. This project will also fulfill monitoring and evaluation requirements in the larger Potlatch River Watershed Restoration Project.

Specific objectives that will be accomplished through this project include: describing existing habitat conditions in selected treatment and control streams in the Potlatch River basin; describing existing O.Mykiss populations in selected treatment and control streams; estimating production in selected tributaries, including Bear Creek, by determining age specific survival rates of juvenile steelhead using mark and recapture techniques and ultimately PIT tag interrogation rates at Lower Granite Dam, and; completion of technical transfer of findings through annual progress reports and oral presentations.

Monitoring and evaluation of a habitat based recovery projects requires a long-term commitment. Latah SWCD will implement a series of conservation measures using PCSRF FY2004 fund (project reference 040 04 CW) throughout selected tributaries of the Potlatch River basin. The initial year of monitoring and evaluation provided through this project will be designed to accurately describe pre-treatment habitat conditions and fish population status (including production, productivity and age specific survival) in those tributaries. IDFG will also address key life history questions and attempt to define fish ecology and behavior questions that will be key to refinement of evaluation methods. Subsequent years of monitoring and evaluation will be necessary to determine the effectiveness of conservation actions implemented with the PCSRF FY2004 funds in the Potlatch River watershed.

Implementation of this project will benefit Snake River Basin ESU steelhead.

Project Ref	Grantee	Project Name	State
PCSRF04B	Grand Ronde	Steelhead Studies	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$21,108	$0	Willamette

Project Description

Steelhead are listed as threatened for our area. Their numbers appear to be in decline. A rotary screw trap has been in operation in Agency Creek to monitor smolt migration for the last three years. The maximum number of steelhead smolts for a survey season has been 24. Agency creek is the largest creek on the Reservation. In addition to their listed status the tribes place enormous value on their long term survival. The study would fund the continued operation of the smolt trap and the operation of an adult fish weir. The resulting data would be used to design a program to aid in continued survival.

Project Ref	Grantee	Project Name	State
2003-4-07	CRITFC Yakama Tribes	Evaluation of Spawner Effectiveness of Hatchery-Reared and Natural Spri	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-31-DEC-05	Salmon Research, Monitoring, and Evaluation	$127,677	$0	Upper Columbia

Project Description

Using supplementation as a tool for rebuilding salmon populations is a central theme in most tribal salmon recovery plans. Critics of supplementation suggest that hatchery-reared fish may exhibit reduced reproductive success compared to the natural origin component of the run and therefore may contribute to further population declines. Improvements in laboratory equipment, discovery of informative loci, and advancement of statistical techniques make it possible to assign parents to individual progeny. Combining this powerful genetic assessment tool with effective fish weirs and traps allows us to directly measure the reproductive contribution of hatchery-origin fish and compare that to natural-origin individuals. These data will provide important validation of the tribes recovery approach. Project tasks involve the collection of chinook salmon at screw traps and collection of DNA tissue for pedigree analysis.

Project Ref	Grantee	Project Name	State
2002-4-07	CRITFC Yakama Tribes	Water Quality Monitoring in Water Resource Inventory Areas 29, 30 and 3	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	22-MAY-03-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$44,000	$0	Middle Columbia

Project Description

The purpose of this project is to complete detailed surveys of water quality throughout WRIA's 29, 30 and 31 to contribute to the existing data and generate baseline data on many areas within the WRIA's that currently have no information available. Water quality information is necessary to provide technical data to assist and develop accurate decisions to be implemented when considering management or watershed planning. The information can help pave the way for new innovative research studies and ideas. Furthermore, it can enhance the data base for 303d listed streams, temperature modeling for both hydro and diversion dams, temperature modeling for buffer zones and ground water influences along with many other valuable uses.

Project Ref	Grantee	Project Name	State
2002-4-08	CRITFC Yakama Tribes	Rock Creek Assessment and Project Development	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	22-MAY-03-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$8,335	$0	Middle Columbia

Project Description

The potential for a significant population of ESA listed Mid-Columbia steelhead to utilize the Rock Creek watershed was identified in initial assessment work completed in the watershed. This project will supplement past assessment activities through the surveying of watershed conditions for the listed steelhead, alon with identifying and prioritizing future watershed enhancement projects.

Project Ref	Grantee	Project Name	State
2001-4-03	CRITFC Yakama Tribes	Evaluation of Supplementation Programs: Sampling Columbia River Treat	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-01-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$42,983	$0	Upper Columbia

Project Description

Enhance the monitoring and evaluation of supplementation programs in the upper Columbia Basin by collecting wire tags and mark data from the landed catch in treaty Indian subsistence and commercial fisheries in Zone 6 of the Columbia River.

Project Ref	Grantee	Project Name	State
2004-3-01	CRITFC Warm Springs Tribes	A Mark Recapture Experiment to Improve the Escapement Estimate of Fal	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-DEC-05	Salmon Research, Monitoring, and Evaluation	$141,975	$0	Deschutes

Project Description

The goal of this project is to estimate the escapement of large adult fall chinook salmon to the Deschutes River, Oregon. The Peterson two-event mark- recapture experiment will be conducted to estimate the spawning abundance of the 2006 brood year. During the first sampling event adults will be captured and tagged using a set gill net fished downstream of the majority spawning. The second even involves sampling for tagged adults during whole river carcass surveys at Shearer's Falls and Pelton traps and during creel surveys. The escapement estimate will be compared to the existing escapement methodology currently used by the Confederated Tribes of Warm Springs Reservation, Oregon (CTWSRO) and the Oregon Daprtmen of Fish and Wildlife (ODFW) to estimate the abundance of adult fall chinook salmon in the Deschutes River. the existing methodology is described below int he projject summary. The specific methods of the proposed project are presented in Appendix A.
This project has been implemented annually since 2001.

Project Ref	Grantee	Project Name	State
2000-3-04	CRITFC Warm Springs Tribes	Improve Methodology for Estimating Fall Chinook Populations	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-30-DEC-01	Salmon Research, Monitoring, and Evaluation	$111,805	$0	Deschutes

Project Description

Project is a mark-recapture experiment for estimating adult fall Chinook salmon escapement to the Deschutes River, Oregon.

Project Ref	Grantee	Project Name	State
2004-2-05	CRITFC Umatilla Tribes	Outmigrant Monitoring in the Walla Walla Subbasin	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-DEC-05	Salmon Research, Monitoring, and Evaluation	$50,132	$0	Middle Columbia

Project Description

Enumerate outmigrant abundance to Columbia mainstem from the lower Walla Walla River, and develop estimates of mainstem mortaility and survival for out-migrating spring Chinook and summer steelhead smolts. The plan looks at current restoration activities including the experimental reintroduction of spring chinook int the walla walla and mill creek drainages and the development of an endemic steelhead artificial producition program in the Touchet Drainage. In concert with this efffort are other habitat restoration activities. The project is a collabortive effort with cost share partners; BPA and The Walla Walla Natural Production Monitoring and Evaluation Project. PCSRF funds will be used to hire additional help and equipment to support the constant operation of the screw trap near the mouth of the Walla Walla River (apx. 55 miles form the field office.

Project Ref	Grantee	Project Name	State
2003-2-06	CRITFC Umatilla Tribes	Hydrological Assessment for Buckaroo Creek Alluvial Fan	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-NOV-03-31-DEC-05	Salmon Research, Monitoring, and Evaluation	$10,000	$0	Middle Columbia

Project Description

The Confederated Tribes of the Umatilla Indian Reservation (CTUIR) propose to conduct a hydrological assessment of the mouth of Buckaroo Creek in preparation for future design phase. Flooding and overbank flows combined with degraded stream conditions along Buckaroo Creek near the confluence with the Umatilla River have raised concerns with the function of the stream channel and riparian area. Past realignment of the stream channel to accommodate the right-of-way for the Union Pacific Railroad and the county road has created a build up of bed load and loss of perennial stream flow, resulting in a fish passage barrier at times and decreased channel capacity.

Project Ref	Grantee	Project Name	State
2004-1-02	CRITFC Nez Perce Tribe	Little Salmon River Baseline Monitoring	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$100,000	$0	Salmon

Project Description

The proposed project is a salmon watershed restoration project. The goal of this project is to evaluate current habitat condition within the Little Salmon watershed. The Litlle Salmon River supports anadromous fish, including: Chinook salmon, steelhead trout, and resident fish. Historically, logging, road building and grazing have impacted the Little Salmon watershed. The goals of this project is to begin the collection of baseline habitat information and to continue representing the Nez Perce Tribe on issues and panels within the watershed.

Project Ref	Grantee	Project Name	State
2002-1-02	CRITFC Nez Perce Tribe	Coho Salmon Monitoring and Evaluation in the Clearwater River II	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	03-DEC-02-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$210,000	$0	Clearwater

Project Description

The goal of the monitoring and evaluation program is to monitor and evaluate the results of the reintroduction program so that operations can be adaptively managed to optimize hatchery and natural production, and minimize deleterious ecological impacts.

Project Ref	Grantee	Project Name	State
2004-5-02	CRITFC	Chinook Salmon Stock Composition	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$92,240	$0	Lower Columbia

Project Description

Stringent and rigorous analysis of the stock composition in the tribal fisheries. Continue with the development of the extensive genetic baseline data that has been collected for Chinook salmon allowing the use of Genetic Stock Identification of mixture samples. With widely represented baseline genetic data of chinook salmon stocks, individual stock identification of unknown origin chinook salmon is possible.

Project Ref	Grantee	Project Name	State
2004-5-03	CRITFC	Artificial Production/Supplementation R/M/E: Regional integration and coll	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$59,040	$0	Lower Columbia

Project Description

The project would put together a CRITFC/Intertribal R/M/E team that would provide assistance and strength to individual tribal prgrams dealing with complex scientific and monitoring issues by adddin a layer of coordination and callaboration needed to

Project Ref	Grantee	Project Name	State
2004-5-04	CRITFC	Incorporation of depensation to extinction risk analysis for Columbia River	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-DEC-05	Salmon Research, Monitoring, and Evaluation	$62,726	$0	Lower Columbia

Project Description

A model modification that will address four issues: productivity, extinction probability, depensatory threshold of abundance (inded), and effect fo supplementation (stocking of fish from a hatchery operated with integrated broodstock management with the purpose of increasing natural population abundance) on these three parameters. Population productivity will be described as population growth rate calculated from the DA model, and ratio of recruits to spawners. Quasi-extinction probability calculated for the DA model will be compared with extinction probablilty calculated from a stock-recruitment model whre a depensatory threshold is considered. Combined results from these independent methods will better estimte a population's extinction risk status, and thus will provide critical information to managers who make decisions about population recovery actions.

Project Ref	Grantee	Project Name	State
2003-5-01	CRITFC	Fall Chinook Stock Composition	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-SEP-03-31-DEC-05	Salmon Research, Monitoring, and Evaluation	$116,886	$0	Willamette

Project Description

This project is an integral part of CRITFC's approved PSC research strategy. It includes genetic stock identification, analysis of tribal fisheries stock composition and run time and genetic divergence of chinook races.

Project Ref	Grantee	Project Name	State
2003-5-03	CRITFC	Artificial Production/Supplementation R/M/E	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-SEP-03-31-DEC-05	Salmon Research, Monitoring, and Evaluation	$74,620	$0	Willamette

Project Description

Determination of criteria and goals for restoration of Columbia River salmonid populations has become a priority for fisheries management agencies at the tribal, state and federal levels. Part of this concern relates to federal rulemaking for the role of artificial propagation within the context of listing/delisting decisions under the Endangered Species Act (ESA). This PCSRF project will provide needed staff to the CRITFC Fishery Science Department to assist the tribal fishery departments on related issues of hatchery production and fishery monitoring. CRITFC will furnish scientific and technical input to aid in development of hatchery program objectives and reformed management protocols, and in designing population monitoring activities such that the programs may be adequately evaluated as to their success in achieving their stated goals. CRITFC will also interface with state and federal agencies on issues relating to artificial propagation and salmon population genetics.

Project Ref	Grantee	Project Name	State
2002-5-03	CRITFC	Coordination of Production Issues and Regional Processes	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$66,127	$0	Willamette

Project Description

Regional discussions on the determination of criteria and goals for restoration has become a priority, in conjunction with refinement of tribal restoration goals. Federal Rulemaking for the role Artificial Propagation plays in listing/delisting decisions under the ESA, and represents an opportunity to introduce flexibility to ensure full implementation of tribal programs. CRTIFC has organized a number of workshops to address such issues in the context of the Columbia River Fish Management Plan under US v. Oregon as well as the ESA. In addition, we have an opportunity to determine how hatchery-reared or hatchery-bred fish are to count towards restoration for the purpose of recovery of listed populations.

Project Ref	Grantee	Project Name	State
2002-5-04	CRITFC	Fall Chinook Stock Composition	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$149,505	$0	Willamette

Project Description

Stringent and rigorous analysis of the stock composition of chinook in the tribal fisheries.

Project Ref	Grantee	Project Name	State
2002-5-05	CRITFC	Clearing Backlog of Genetic Analyses	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$63,604	$0	Willamette

Project Description

This projects work is complimentary to the contracted monitoring and evaluation support CRITFC is doing with the tribes, presently focusing on population genetics and risk/benefit analyses. Due to staff turnover, equipment failure and prioritization of "Urgently needed" research, we've experienced an unwieldy accumulation of samples and are falling dangerously behind in our analyses. In addition, several important new initiatives are in the pipeline and about to come online, including increased collaboration with non-CRITFC tribes, Alaska's SSSF, and additional tribal M/E responsibilities. Hiring technicians and providing for additional equipment pieces would go a long way in catching up in the schedule.

Project Ref	Grantee	Project Name	State
2002-5-06	CRITFC	Continued Research on Artificial Production Genetics and Life Histrory III	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-DEC-01-01-JUN-02	Salmon Research, Monitoring, and Evaluation	$60,885	$0	Willamette

Project Description

This project complements efforts of CRITFC under the contracted monitoring and evaluation support provided to the tribes, presently focusing on population genetics and risk/benefit analyses. Particular focus is given to issues related to developing artificial propagation guidelines, and evaluation of performance of hatchery origin fish, and importantly, of their progeny following natural spawning.

Project Ref	Grantee	Project Name	State
2001-5-02	CRITFC	Continued Research on Artificial Production Genetics and Life History II	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$188,045	$0	Willamette

Project Description

Project will complement CRITFC's efforts under the contracted monitoring and evaluation support they are providing for the Tribes, presently focusing on population genetics and risk/benefit analyses.

Project Ref	Grantee	Project Name	State
2000-5-02	CRITFC	Risk/Benefit Methodologies	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-01-JUN-01	Salmon Research, Monitoring, and Evaluation	$95,000	$0	Willamette

Project Description

Primary purpose was to create a set of analyses that can be used to determine if supplementation programs are warrented; to guide implementation of supplementation programs; and to estimate the effects of different propagation alternatives.

Project Ref	Grantee	Project Name	State
2000-5-03	CRITFC	Artificial Production Guidelines I	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-01-JUN-01	Salmon Research, Monitoring, and Evaluation	$95,000	$0	Willamette

Project Description

This project provided for the development of artificial propagation guidelines to better define the position of CRITFC with respect to CRFMP negotiations, the NMFS Artificial Propagation Rulemaking, state wild fish policies and general discussion with environmental groups.

Project Ref	Grantee	Project Name	State
CCT03-3	Colville	Okanogan River and Omak Creek Monitoring and Evaluation	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-SEP-03-31-AUG-06	Salmon Research, Monitoring, and Evaluation	$174,179	$0	Upper Columbia

Project Description

Monitoring and evaluation activities conducted through this project will include: collection and compilation of tribal fisheries creel survey data; monitoring of survival, growth and condition of riparian plants and other physical habitat attributes in lower Omak Creek; monitoring of adult steelhead returns and spawning activity in Omak Creek; monitoring of adult chinook returns and spawning activity in Omak Creek; monitoring of juvenile steelhead and chinook abundance, distribution, and survival in Omak Creek, and ; compilation, evaluation, and management of data collected through these monitoring activities. Monitoring and evaluation activities conducted through this project will help determine the nature and specific components of future restoration and recovery programs and provide important feedback regarding the success of the current suite of projects. This monitoring and evaluation will also track the success of efforts to reestablish extirpated and ESA listed stocks in the Okanogan River Basin.

Project Ref	Grantee	Project Name	State
CCT02-5	Colville	M and E of Measures Assoc with Recovery and Restoration of Anadromou	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-SEP-02-31-AUG-05	Salmon Research, Monitoring, and Evaluation	$176,737	$0	Upper Columbia

Project Description

All monitoring and evaluation activities identified in the work proposal were implemented. These activities included: monitoring of riparian growth and canopy cover; summer steelhead spawning activity; timing and survival of juvenile steelhead in Omak Creek; juvenile salmonid abundance, distribution and rearing densities at index sites on Omak Creek; design of, and delivery of creel surveys to estimate tribal harvest of adult salmon and steelhead; and water temperature and stream flow monitoring. Information was compiled in appropriate reports and databases and will be used to help guide future identification of projects, and adjustments to existing recovery and restoration programs.

Project Ref	Grantee	Project Name	State
705160	CDFG	California Coho Salmon Presence Confirmed/Presence Not confirmed sur	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$492,745	$0	California

Project Description

DFG's effort to assess the status of coho salmon in its natural range in California would continue, if funding is approved. We will finalize the last of three consecutive years of sampling for historic coho salmon streams, procure and review documents, and produce a presence by brood year table.

Project Ref	Grantee	Project Name	State
705161	CDFG	Monitoring Juvenile Salmonid Use of Freshwater Slough and Tidal Portion	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-MAY-04-31-MAR-06	Salmon Research, Monitoring, and Evaluation	$31,286	$0	Northern California Coastal

Project Description

Determine the emigration patterns, estuary use and estuary residence times of juvenile salmonids in Freshwater Slough and the emigration patterns and estuary use of juvenile salmonids in tidal portions of other tributaries entering Humboldt Bay. We will also look for movement or straying of Freshwater Creek salmonids into the tidal portions of other Humboldt Bay tributaries. Identify important marsh habitats for juvenile salmonids especially coho salmon and steelhead trout and provide information to help guide marsh restoration projects to benefit juvenile salmonids.

Project Ref	Grantee	Project Name	State
705170	CDFG	Scientific Aid for North Coast Restoration Monitoring and Evaluation Progr	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-MAY-04-31-MAR-06	Salmon Research, Monitoring, and Evaluation	$88,375	$0	California

Project Description

Under the direction of the CDFG, monitor pending and completed coastal watershed restoration projects, and conduct quality assurance and quality control assessments for monitoring projects in the North Coast Hydrologic Region funded by the DFG Fisheries Restoration Grants Program.

Project Ref	Grantee	Project Name	State
705174	CDFG	Salmon River Watershed Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-31-MAR-06	Salmon Research, Monitoring, and Evaluation	$12,000	$0	Klamath

Project Description

Monitor temperature and flow in the Salmon River and its tributaries, process and analyze data in KRIS, and provide to the responsible managing agencies, in order to maintain a long term data set on water quality and quantity. Monitor post-storm road damage and report to responsible managing agencies, in order to control sedimentation.

Project Ref	Grantee	Project Name	State
705269	CDFG	Lower Klamath River Salmonid Abundance Estimates 2005	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-31-MAR-06	Salmon Research, Monitoring, and Evaluation	$64,873	$0	California

Project Description

Estimates of juvenile salmonid abundance will be obtained for four regional watershed areas: the Lower Klamath sub-basin, the French Creek watershed in the Scott River basin, the Mad River-Redwood Creek hydrologic unit, and the Big-Navarro-Garcia hydrologic unit including the Gualala River watershed. Validation monitoring will be conducted in two of the four regional watersheds areas to validate the effectiveness of monitoring of population trends in summer juvenile abundance as a means to evaluate adult population conditions.

Project Ref	Grantee	Project Name	State
705272	CDFG	Monitoring Changes in Stream Health Following Watershed Restoration: A	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$103,132	$0	Northern California Coastal

Project Description

Resample fish presence and condition, macroinvertebrates, and amphibians at 20 sites sampled in 1973-75 in the Redwood Creek watershed . These sites will be sampled over a two-year period to test the effectiveness of restoration. Sites will encompass disturbed, restored and pristine basins.

Project Ref	Grantee	Project Name	State
705289	CDFG	Scott River Adult Coho and Steelhead Spawning Ground Surveys	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-31-MAY-05	Salmon Research, Monitoring, and Evaluation	$34,359	$0	Klamath

Project Description

Conduct adult coho spawning surveys (Nov. 2004 - Jan. 2005), and adult steelhead (Jan. 31 - May 1, 2005) on the Scott River and tributaries. 11.2 miles of index reaches will be surveyed weekly for coho spawning activity. An additional 29.9 miles of stream will be surveyed a minimum of two times during the season for presence of coho spawning. All reaches will be surveyed at least three times during steelhead spawning period for presence of steelhead spawning.

Project Ref	Grantee	Project Name	State
705311	CDFG	Salmon River Community Weak Stocks Assessment Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-29-JUL-05	Salmon Research, Monitoring, and Evaluation	$20,000	$0	Klamath

Project Description

Expand life history data and increase knowledge and understanding needed to manage "weak stocks" in the Salmon River, highlighting the assessment of Coho Salmon and Spring Chinook runs. Improve cooperation and support for the protection and restoration of these stocks, which are at-risk and under studied.

Project Ref	Grantee	Project Name	State
705333	CDFG	Long-Term Coho Salmon and Steelhead Trout Monitoring Program - Coast	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$128,800	$0	San Francisco Bay

Project Description

Support the 8th and 9th year of ongoing salmonid monitoring in Olema Creek, Pine Gulch, Redwood Creek and Cheda Creek in coastal Marin County.

Project Ref	Grantee	Project Name	State
705334	CDFG	Topanga Creek Watershed Steelhead Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-MAY-04-15-MAR-06	Salmon Research, Monitoring, and Evaluation	$58,968	$0	Ventura-San Gabriel Coastal

Project Description

Monitoring tasks proposed build upon comprehensive baseline evaluation started in Topanga Creek 3 years ago. Several limiting factors need continue monitoring to document the relationship of rainfall patterns to steelhead recruitment and survival, develop site specific recommendations for restoration actions building upon the previous studies, and provide population data for the development of realistic goals and objectives for the NMFS Southern California Coast ESU Recovery Plan.

Project Ref	Grantee	Project Name	State
705383	CDFG	Gualala River Watershed Cooperative Assessment and Monitoring Progra	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$66,547	$0	Northern California Coastal

Project Description

Continue and expand the current GRWC Cooperative Monitoring Program for a two year period. The monitoring program and its associated Quality Assurance Plan have been designed to collect both baseline and trend data for a number of physical factors known to limit salmonid distribution, abundance and survival.

Project Ref	Grantee	Project Name	State
705389	CDFG	Russian River Coho Release and Monitoring Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$458,954	$0	Northern California Coastal

Project Description

Monitor biological and physical components of six coho enhancement and three control streams prior to and after stocking with offspring of wild, captive reared coho salmon. The program will evaluate different release protocols and habitats to determine optimum stocking strategies to successfully augment or re-establish wild coho populations in Russian River tributaries.

Project Ref	Grantee	Project Name	State
705406	CDFG	Ancestry and Gene Flow of O. mykiss Populations in Southern California	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-MAY-04-15-MAR-06	Salmon Research, Monitoring, and Evaluation	$111,844	$0	Central California Coastal

Project Description

We propose a collaborative effort to evaluate the ancestry of Oncorhynchus mykiss in the waterways and lakes above and below recent, manmade barriers in the genetic ancestry of trout above 11 waterways in the threatened South-Central and endangered Southern California steelhead Evolutionarily Significant Units (ESUs). We will collect samples, evaluate the genetic ancestry and measure genetic exchange of trout above barriers with anadromous populations downstream and estimate the relative levels.

Project Ref	Grantee	Project Name	State
720576	CDFG	Monitoring Juvenile Salmonid Abundance in the Mad-Redwood HUC	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-31-MAR-06	Salmon Research, Monitoring, and Evaluation	$190,009	$0	California

Project Description

Estimates of juvenile salmonid abundance will be obtained for four regional watershed areas: the Lower Klamath sub-basin, the French Creek watershed in the Scott River basin, the Mad River-Redwood Creek hydrologic unit, and the Big-Navarro-Garcia hydrologic unit including the Gualala River watershed. Validation monitoring will be conducted in two of the four regional watersheds areas to validate the effectiveness of monitoring of population trends in summer juvenile abundance as a means to evaluate adult population conditions.

Project Ref	Grantee	Project Name	State
720578	CDFG	Freshwater Creek Salmonid Monitoring 2005	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-31-MAR-06	Salmon Research, Monitoring, and Evaluation	$286,399	$0	California

Project Description

Estimates of juvenile salmonid abundance will be obtained for four regional watershed areas: the Lower Klamath sub-basin, the French Creek watershed in the Scott River basin, the Mad River-Redwood Creek hydrologic unit, and the Big-Navarro-Garcia hydrologic unit including the Gualala River watershed. Validation monitoring will be conducted in two of the four regional watersheds areas to validate the effectiveness of monitoring of population trends in summer juvenile abundance as a means to evaluate adult population conditions.

Project Ref	Grantee	Project Name	State
704759	CDFG	Central Coast Coho Salmon And Steelhead Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Research, Monitoring, and Evaluation	$37,080	$0	Central California Coastal

Project Description

Monitor baseline habitat conditions and coho salmon and steelhead populations in San Gregorio and Pescadero watersheds, Aptos and San Vicente watersheds, Upper Carmel River and Big Sur River and San Simeon, Santa Rosa, and San Luis Obispo watersheds.

Project Ref	Grantee	Project Name	State
704776	CDFG	Sproul Creek Downstream Migrant Monitoring Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-31-MAR-05	Salmon Research, Monitoring, and Evaluation	$19,147	$0	Northern California Coastal

Project Description

To continue a four year study into year five and six through the operation of two downstream migrant traps on Sproul Creek, in order to monitor production, run timing and size of chinook salmon, coho salmon and steelhead in Sproul Creek. In addition this project will allow tissue collection for genetic stock analysis.

Project Ref	Grantee	Project Name	State
704807	CDFG	Horse Linto Creek Anadromous Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Research, Monitoring, and Evaluation	$0	$32,780	Klamath

Project Description

Continue to monitor Chinook and Sourthern Oregon/Northern CA ESU coho adult spawning escapement to provide feedback on instream watershed restoration work benefiting SONC coho, chinook and steelhead past Horse Linto hatchery supplementation of chinook.

Project Ref	Grantee	Project Name	State
704813	CDFG	Willow Creek Anadromous Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Research, Monitoring, and Evaluation	$0	$32,780	Klamath

Project Description

Continue to monitor chinook and SONC ESU listed coho adult spawning escapement to provide feedback on past instream watershed restoration work benefiting chinook, coho, and steelhead. Continue to monitor juvenile anadromous downstream migrants (DSM) to the Willow Creek Watershed for the same reasons.

Project Ref	Grantee	Project Name	State
704836	CDFG	SB 271 Road Decommissioning Effectiveness Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-31-MAR-05	Salmon Research, Monitoring, and Evaluation	$77,671	$0	California

Project Description

To evaluate the effectiveness and short term impacts of various road decommissioning projects and road decommissioning techniques which have been implemented throughout the North California Coast under the CDFG SB 271 Restoration Grant Program, and to develop recommendations for techniques with improved effectiveness and cost-effectiveness which can be applied to upcoming grant-funded decommissioning work.

Project Ref	Grantee	Project Name	State
704896	CDFG	California Coastal Salmonid Monitoring Plan Database	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Research, Monitoring, and Evaluation	$0	$64,589	San Joaquin

Project Description

Develop a GIS database repository for data which will be collected under California Coastal Salmonid Monitoring Plan. The database will conform to DFG Information Technology Standards, and generate queries and reports to address questions developed by NOAA Fisheries and California Department of Fish & Game's Native Anadromous Fish and Watershed Restoration Branch.

Project Ref	Grantee	Project Name	State
704906	CDFG	North Coast California Coho Salmon Regional Presence/Absence and Adu	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-31-MAR-05	Salmon Research, Monitoring, and Evaluation	$0	$832,384	Klamath

Project Description

Describe coho salmon distribution, maternal brood year completeness, estimate abundance.

Project Ref	Grantee	Project Name	State
704924	CDFG	Scott River Water Balance - Precipitation Gauging	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-MAY-03-31-MAR-05	Salmon Research, Monitoring, and Evaluation	$56,146	$0	Klamath

Project Description

Supply comprehensive precipitation data to a model of the inflow/outflow of water in the Scott River watershed. The model will provide information on the spatial timing of water movement through the system, as well as the extent/timing of groundwater/surface water interactions

Project Ref	Grantee	Project Name	State
704969	CDFG	NCSU Statitical Methods for Presence and Absence Coho Surveys	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Research, Monitoring, and Evaluation	$43,764	$0	San Joaquin

Project Description

Develop presence-absence protocols to survey for a species in a particular stream or stream reach in the face of uncertain detection, and estimating the percentage of sites (streams, or habitat units within streams) at which a species is present. In particular, we will focus our protocol development on application of estimation methods to juvenile coho salmon in small streams or in stream section that are within the sampling frame of those streams surveyed by CDFG in their presence-absence surveys of coho salmon.

Project Ref	Grantee	Project Name	State
704998	CDFG	Mill Creek Fisheries Monitoring Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-31-MAR-05	Salmon Research, Monitoring, and Evaluation	$147,704	$0	Northern California Coastal

Project Description

Continue monitoring of anadromous fisheries of Mill Creek

Project Ref	Grantee	Project Name	State
705043	CDFG	Restoration Monitoring Protocol Development Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Salmon Research, Monitoring, and Evaluation	$285,585	$0	Lower Sacramento

Project Description

Complete the development of standardized sampling protocols to monitor, assess, and document the physical and biological responses to various instream salmonid habitat, riparian area protection, and watershed (upslope) restoration and enhancement projects and activities in drainages through California's anadromous salmonid watersheds

Project Ref	Grantee	Project Name	State
705044	CDFG	Central and South Coast Salmonid Restoration Monitoring and Evaluation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Research, Monitoring, and Evaluation	$86,107	$0	San Joaquin

Project Description

Monitor and evaluate completed coastal watershed restoration projects and conduct quality assurance and quality control monitoring for new sampling protocols.

Project Ref	Grantee	Project Name	State
705066	CDFG	Mattole Salmonid Population Trend Monitoring, 2003 - 2004	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Research, Monitoring, and Evaluation	$0	$15,895	Northern California Coastal

Project Description

Continue and expand ongoing data collection programs for the determination of salmonid population trends using standard techniques for spawning: ground surveys, downstream migrant trapping and direct underwater observation

Project Ref	Grantee	Project Name	State
705228	CDFG	Implementation and Effectiveness Monitoring of Fish Habitat Restoration P	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$152,162	$0	Northern California Coastal

Project Description

Conduct implementation and effectiveness monitoring of 44 fish habitat restoration projects in the Russian River. Document project site location, complete pre and post photo point monitoring and conduct implementation and qualitative effectiveness monitoring according to recommended protocols.

Project Ref	Grantee	Project Name	State
705238	CDFG	Watershed Restoration Project Mapping on Lower Klamath River Tributari	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$93,429	$0	Klamath

Project Description

Compile, survey and map all watershed restoration projects and fish population monitoring index reaches in lower Klamath Riviera Tributaries. Will allow us to monitor habitat trends, geo reference locations of habitat restoration projects and ground truth project locations for existing DFG databases. All projects will be mapped using sub-meter GPS equip. and entered into a GIS database. Monitoring areas will include nine tributaries to the Lower Klamath River. Between 50 and 75 project sites with approx. 1,000 features will be mapped.

Project Ref	Grantee	Project Name	State
705422	CDFG	California Coastal Salmonid Monitoring Plan	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Research, Monitoring, and Evaluation	$0	$290,556	San Joaquin

Project Description

Develop a sampling plan to estimate status and trends in coastal California salmonid abundance at the ESU or other appropriate spatial scale.

Project Ref	Grantee	Project Name	State
705424	CDFG	HSU Statistical Methods for Presence and Absence Coho Surveys	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Salmon Research, Monitoring, and Evaluation	$15,283	$0	Lower Sacramento

Project Description

Develop presence-absence protocols to survey for a species in a particular stream or stream reach in the face of uncertain detection, and estimating the percentage of sites (streams, or habitat units within streams) at which a species is present. In particular, we will focus our protocol development on application of estimation methods to juvenile coho salmon in small streams or in stream section that are within the sampling frame of those streams surveyed by CDFG in their presence-absence surveys of coho salmon.

Project Ref	Grantee	Project Name	State
705426	CDFG	Restoration Monitoring Protocol Development Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$405,509	$0	San Joaquin

Project Description

Complete the development of standardized sampling protocols to monitor, assess, and document the physical and biological responses to various instream salmonid habitat, riparian area protection, and watershed (upslope) restoration and enhancement projects and activities in drainages through California's anadromous salmonid watersheds

Project Ref	Grantee	Project Name	State
720051	CDFG	Smith River Adult Trout and Salmon Surveys for 2003	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-DEC-03	Salmon Research, Monitoring, and Evaluation	$3,322	$0	Northern California Coastal

Project Description

Grantee shall coordinate and conduct a basin-wide survey of the North Fork, Middle Fork and South Fork Smith River, located in Del Norte County. The entire network of approximately 70 miles will be surveyed. All occurrences of adult salmonid and cutthroat trout will be recorded.

Project Ref	Grantee	Project Name	State
720052	CDFG	NCSU: Statistical Methods for Presence and Absence Surveys	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-04	Salmon Research, Monitoring, and Evaluation	$21,882	$0	California

Project Description

Develop presence-absence protocols for juvenile salmonids in a particular stream or stream reach in the face of uncertain detection. The protocol developed will be generally applicable to all juvenile anadromous salmonid species in coastal California streams; however, the focus of the project will be on the application of estimation methods for juvenile coho salmon in small streams or in stream sections that are within the sampling frame of those streams surveyed by CDFG¿s current presence-absence surveys of coho salmon.

Project Ref	Grantee	Project Name	State
720053	CDFG	HSU: Statistical Methods for Presence and Absence Surveys	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-04	Salmon Research, Monitoring, and Evaluation	$11,613	$0	California

Project Description

Develop presence-absence protocols for juvenile salmonids in a particular stream or stream reach in the face of uncertain detection. The protocol developed will be generally applicable to all juvenile anadromous salmonid species in coastal California streams; however, the focus of the project will be on the application of estimation methods for juvenile coho salmon in small streams or in stream sections that are within the sampling frame of those streams surveyed by CDFG¿s current presence-absence surveys of coho salmon.

Project Ref	Grantee	Project Name	State
720068	CDFG	Monitoring of Genetic Resources in the Russian River Coho Salmon	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-31-DEC-03	Salmon Research, Monitoring, and Evaluation	$11,073	$0	Northern California Coastal

Project Description

Conduct genetic analysis on all of the year 2002 captured broodstock population tissue samples from coho salmon populations in the Russian River and Olema Creeks, drainages of Central California. Data analyses will include: Construction of phylogenetic hypotheses, estimation of recent demographic history, estimations of effective population size, evaluation of migration / hybridization among all samples, and a comparison of present versus historic populations from the same drainages.

Project Ref	Grantee	Project Name	State
720095	CDFG	Regional Abundance Surveys in the Mad River-Redwood Creek	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-04	Salmon Research, Monitoring, and Evaluation	$112,095	$0	Northern California Coastal

Project Description

Continue to refine the juvenile abundance estimation methods with cooperation from the Department of Fish and Game Steelhead Research and Monitoring Program (S-RAMP), the Yurok Tribal Fisheries Program (YTFP), and Simpson Resources Company. A written protocol will be produced to ensure that data collected from other regions are consistent and comparable. Conduct a regional survey of juvenile abundance in the Mad River-Redwood Creek hydrologic unit, and provide an estimate of juvenile summer abundance for currently surveyed reaches in the Mad River ¿ Redwood Creek hydrologic unit.
Provide information about the distribution of juvenile coho salmon across the landscape in terms of relative abundance for the Mad River-Redwood Creek hydrologic unit. This information will be made available in a comprehensive report including GIS based maps.
Provide support for validation monitoring programs and juvenile abundance surveys like those of S-RAMP, YTFP, and the Redwood Community Action Agency including sampling design consultation and statistical support.
Develop sampling frames in the Shasta and Scott River basins (already funded by CDFG) and on the Mendocino Coast (partially funded by NOAA ~ Fisheries). The framework will be available for field sampling to begin in these areas and a written report will be produced enabling duplication of frame development elsewhere in the state.

Project Ref	Grantee	Project Name	State
720098	CDFG	Shasta River Fish Distribution, Behavior and Habitat Study	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-03-01-MAR-04	Salmon Research, Monitoring, and Evaluation	$4,860	$0	Klamath

Project Description

Temperature data using automatic data loggers will be collected from no less than four non-contiguous reaches of the Shasta River at least one week prior to and during the time river surveys are being conducted. Continuous temperature readings shall be recorded at no less than 1 hour intervals (24/7) throughout the study data collection period.
Survey Protocols
Fish population work will be performed using a combination of direct observation diving, seining, trapping or electrofishing, as appropriate, and in a manner prescribed in a Scientific Collection permit issued by the California Department of Fish and Game for this study. Monthly Progress Reports and Annual Report.

Project Ref	Grantee	Project Name	State
720467	CDFG	Green Valley Creek Upstream/Downstream Migrant Trap Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-NOV-03- -	Salmon Research, Monitoring, and Evaluation	$9,942	$0	Northern California Coastal

Project Description

develop a site specific sampling scheme utilizing fixed weir, fyke nets, or screw traps or a combination thereof, oversee and train field crews, set monitoring schedule and provide QA/QC

Project Ref	Grantee	Project Name	State
720472	CDFG	Trinity River Tributaries Winter Run Steelhead Spawning Survey	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-APR-04-30-SEP-04	Salmon Research, Monitoring, and Evaluation	$9,935	$0	Klamath

Project Description

Quantify the number of redds in randomly selected tributaries of the Trinity River, Verify and map successful spawning, Create indicies for future comparison of redd numbers, Provide, verify and assess barriers to steelhead migration

Project Ref	Grantee	Project Name	State
720479	CDFG	Long-Term Coho Salmon & Steelhead Trout Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-04-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$7,090	$0	San Francisco Bay

Project Description

Continue the long-term monitoring program established through the National Park Service for coastal Marin County watersheds including Olema Creek, Pine Gulch Creek, Redwood Creek, and tributaries of Lagunitas Creek, Conduct out-migrant smolt trapping on John West Fork, lower Olema Creek, and Pine Gulch Creek, and juvenile Index Reach Surveys on the John West Fork, Quarry Gulch, and Cheda Creek in June 2004

Project Ref	Grantee	Project Name	State
720485	CDFG	Freshwater Creek Salmonid Population Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-NOV-03-31-JAN-05	Salmon Research, Monitoring, and Evaluation	$87,181	$0	Northern California Coastal

Project Description

Monitor adult and juvenile salmonid populations by trapping, marking, and pit tagging adult salmonids at a weir, conducting spawner surveys, and operating downstream migrant traps within the Freshwater Creek watershed

Project Ref	Grantee	Project Name	State
703642	CDFG	San Francisquito Creek Steelhead Passage Improvement Program: Notchi	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-16-DEC-03	Salmon Research, Monitoring, and Evaluation	$26,262	$0	San Francisco Bay

Project Description

Cut notches in 4 previously identified barriers to adult steelhead migration in order to improve passage, open up spawning and rearing habitat, and increase the steelhead trout population in the San Francisquito Creek watershed.

Project Ref	Grantee	Project Name	State
703647	CDFG	Elk Valley Road/Jordan Creek Box Culvert Stream Rehabilitation Project (	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-29-MAR-04	Salmon Research, Monitoring, and Evaluation	$244,920	$0	Northern California Coastal

Project Description

Remove or significantly modify a 288 foot long existing box culvert to facilitate the migration of anadromous fish previously blocked by the culvert.

Project Ref	Grantee	Project Name	State
703650	CDFG	Ten Mile River Watershed Assessment Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Research, Monitoring, and Evaluation	$131,693	$0	Northern California Coastal

Project Description

Complete upslope sediment assessment of 6 high priority Coho salmon producing sub-basins within the Ten Mile River watershed, with appropriate upslope and instream restoration prescriptions.

Project Ref	Grantee	Project Name	State
703651	CDFG	Elk Creek Sediment Control Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Research, Monitoring, and Evaluation	$74,324	$0	Northern California Coastal

Project Description

Application of sediment controls at selected high-priority sites along a road in the Elk Creek watershed.

Project Ref	Grantee	Project Name	State
703678	CDFG	Instream Cover Enhancement Monitoring and Evaluation Project, Lower Fr	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Research, Monitoring, and Evaluation	$28,358	$0	Northern California Coastal

Project Description

Collect data regarding juvenile densities, distribution and habitat utilization of the constructed large woody debris structures versus the existing small woody debris and overhanging vegetation. Data will assist resource managers with habitat and resource conditions, possible improvements and land management activities.

Project Ref	Grantee	Project Name	State
703689	CDFG	Eel River Baseline Temperature Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Research, Monitoring, and Evaluation	$58,245	$0	Northern California Coastal

Project Description

Continue 2 years of basin-wide temperature monitoring in order to supply agency and industry biologists and other stakeholders data that will assist their efforts in seeking present health and trends for planning and restorative actions throughout the Eel River Basin.

Project Ref	Grantee	Project Name	State
703700	CDFG	Mill Creek Restoration: Monitoring Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Research, Monitoring, and Evaluation	$25,808	$0	Northern California Coastal

Project Description

Assess improvements in the physical conditions of Mill Creek that can be attributed to the ongoing Mill Creek Restoration Project road upgrades. Establish baseline conditions for several parameters that are indicative of the quality of salmonid habitat, then track changes over time. Parameters will include water quality indicators, physical streambed and channel morphology indicators, and biological indicators.

Project Ref	Grantee	Project Name	State
703800	CDFG	Long-term Coho Salmon and Steelhead Trout Monitoring in Coastal Marin	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Research, Monitoring, and Evaluation	$59,994	$0	San Francisco Bay

Project Description

Continue long-term monitoring program established through the National Park Service for coastal Marin County watersheds, including Olema Creek, Pine Gulch Creek, Redwood Creek, and tributaries of Lagunitas Creek.

Project Ref	Grantee	Project Name	State
703802	CDFG	Smith River Stream Habitat Inventory	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-04-MAR-04	Salmon Research, Monitoring, and Evaluation	$0	$15,182	Northern California Coastal

Project Description

Provide baseline data that will determine the quality and quantity of aquatic habitat. Obtain estimates of basic riparian and hydrologic conditions for 20 miles of fish-bearing tributaries to North Fork Smith River for which no information currently exists.

Project Ref	Grantee	Project Name	State
703855	CDFG	Klamath River Estuary Salmonid Habitat Assessment Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Salmon Research, Monitoring, and Evaluation	$40,201	$0	Klamath

Project Description

Determine whether water quality and/or habitat within the Klamath River Estuary have changed over time and whether they are currently a limiting factor for juvenile salmonids.

Project Ref	Grantee	Project Name	State
706385	CDFG	Humboldt Bay Salmon Enhancement and Monitoring Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-03-SEP-03	Salmon Research, Monitoring, and Evaluation	$0	$20,000	Northern California Coastal

Project Description

Enhance and augment the Chinook salmon population in Freshwater Creek. The Contractor will take up to 60,000 Chinook salmon eggs, and release the smolts back into Freshwater Creek and its tributaries.

Project Ref	Grantee	Project Name	State
720136	CDFG	Coordination of Adult Coho Spawning Survey 2003	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-NOV-02-31-DEC-03	Salmon Research, Monitoring, and Evaluation	$0	$5,000	Klamath

Project Description

Provide project coordination, data management, tissue/scale management, and compilation of final report for a second year of spawning surveys targeting adult coho salmon. The survey will establish index reaches in the Scott River system based on previous surveys.

Project Ref	Grantee	Project Name	State
720144	CDFG	Monitoring Juvenile Salmonid Emigration-Klamath River Basin	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-MAR-03-24-AUG-03	Salmon Research, Monitoring, and Evaluation	$6,635	$0	Klamath

Project Description

Provide at least one crew member to assist the California Department of Fish & Game Natural Stocks Assessment Project (NSA) with beach seine sampling of the Klamath River estuary between March 15, 2003 and September 30, 2003. Yurok Tribal Fisheries Program (YRFP) crew members may also assist in electro fishing sampling if needed. Assist NSA with data entry, data reduction, and quality assurance/quality control measures.

Project Ref	Grantee	Project Name	State
720146	CDFG	South Coast Steelhead Assessment	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	25-SEP-02-31-DEC-03	Salmon Research, Monitoring, and Evaluation	$6,668	$0	Central California Coastal

Project Description

a.Riparian Canopy Cover Map - CCP will produce a plotted map of riparian canopy cover for all streams in the study area which will be used for future planning. The map will by 3? x 5? and a digital file will be available as an addendum to the report.
b.Stream Gradient Map - CCP will produce a map showing a modeled stream gradient for all streams in the study area. The map will by 3? x 5? and a digital file will be available as an addendum to the report..
c.Jalama Watershed Map - CCP will produce a map of Jalama watershed outlined with barriers marked, indicating what ranking the barrier received. The map will also indicate the quality of habitat that is within this watershed.

Project Ref	Grantee	Project Name	State
720148	CDFG	Topanga Creek Southern Steelhead Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	24-FEB-03-24-MAR-04	Salmon Research, Monitoring, and Evaluation	$24,809	$0	Ventura-San Gabriel Coastal

Project Description

With the cooperation of involved landowners, the Contractor will develop long term steelhead habitat improvements on public and/or private lands in the watershed by carrying out comprehensive, watershed-wide assessment activities. These activities will include information based upon prior evaluation and assessment work done by DFG and other agencies, as it exists, as well as the result of the Grantee¿s current, comprehensive assessment and planning efforts. The assessment document will provide DFG and the landowners of the Topanga Creek Watershed with recommendations and implementation plans that will address ¿keystone¿ problems affecting the Topanga Creek Watershed. Secondary restorative measures will also identify project opportunities, and evaluate priority sites for project implementation, or recommend additional specific project planning that will improve fish and wildlife habitat.

Project Ref	Grantee	Project Name	State
720149	CDFG	South Coast Salmonid Restoration and Evaluation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-APR-03-07-JUL-03	Salmon Research, Monitoring, and Evaluation	$7,950	$0	Central California Coastal

Project Description

Monitor and evaluate completed coastal watershed restoration projects, collect baseline habitat and population information, and perform quality assurance and quality control (QA/QC) monitoring for other monitoring projects in California¿s Central Coast and South Coast hydrologic regions. QA/QC monitoring will utilize restoration effectiveness and validation monitoring protocols being development under existing DFG grants. Collection of Biological and Watershed Data, Biological and Physical Data Entry, Report Preparation.

Project Ref	Grantee	Project Name	State
720152	CDFG	Ventura River Steelhead Habitat Suitability Index	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-28-FEB-04	Salmon Research, Monitoring, and Evaluation	$22,726	$0	Ventura-San Gabriel Coastal

Project Description

1.The Grantee, or their designee, will collect quantitative data, based on the life history needs of steelhead, needed to develop a Habitat Suitability Index model for the Ventura River, Ventura County. The project will consist of various parts:
A.Pre-survey planning: The grantee will work with their consultant to identify the specific parameters for which data will be to be collected, and coordinate land owner access to the various reaches within the Ventura River from the ocean to the base of Matilija Dam.
B.Data Collection: The grantee¿s consultant will conduct stream surveys during July 2003. A variety of pre-identified physical and biological data will be collected and input into a database, which is subjected to rigorous Quality Assurance/Quality Control check.
C.Data Analysis and Report Generation: The grantee¿s consultant will generate habitat quality curves for the HIS model based on the data. Once the model has been generated the grantee¿s consultant will produce a report detailing the methodology, data collected, analyses, results and an explanation of the applications and limitations of the model.
2.The grantee will provide two copies (one hard copy and one digital) of the final Steelhead Habitat Suitability Index for the Ventura River report to the Department¿s Project Manager.
Any final GIS, database worksheets and/or data developed under the terms of this agreement, will be delivered to the Project Manager on paper and electronic media, in an ArcView compatible format.

Project Ref	Grantee	Project Name	State
720153	CDFG	Genetic Resources Monitoring in the Russian River Salmon	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-03-31-DEC-04	Salmon Research, Monitoring, and Evaluation	$62,680	$0	Northern California Coastal

Project Description

Conduct genetic analysis on all of the year 2002 captured broodstock population tissue samples from coho salmon populations in the Russian River and Olema Creeks, drainages of Central California. This work will include the following components: A.)Characterization of the genetic population structure B.)A minimum of 25 microsatellite loci will be identified C.)Processing of the year 2002 samples D.)Data analyses E.)Relationships between samples will be evaluated F.)Sample analysis will extend to include archived samples

Project Ref	Grantee	Project Name	State
720155	CDFG	Historical Archive Search for Steelhead Trout Data-Santa Monica Bay	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-03-17-FEB-04	Salmon Research, Monitoring, and Evaluation	$9,482	$0	Ventura-San Gabriel Coastal

Project Description

1.Review literature pertaining to steelhead trout in the Santa Monica Mountains from the 1870¿s to present, and compile a written report summarizing all findings. Report shall include a bibliography and a copy of all referenced literature. Literature to be searched shall include, but not be limited to: Los Angeles Times, L.A. Daily News, Santa Monica Evening Outlook, Topanga Messenger, Malibu News, Palisades Post, L.A. Daily Herald, L.A. Herald Examiner, Malibu Bugle and Malibu Times.
2.Conduct interviews with resource users, Native Americans, and others with historical knowledge of fish populations in the Santa Monica Mountains. At least five (5) distinct interviews shall be conducted. Interviewees shall be asked to edit all information before information is submitted to the Grantor¿s Project Manager. All information gathered relevant to trout/steelhead (archeological records anecdotal reports, maps, photographs, etc.) will be transcribed, compiled into a written report arranged by stream/watershed and appended to report from task 1 above.

Project Ref	Grantee	Project Name	State
720156	CDFG	California Coho Salmon Presence Confirmed/Presence Not Confirmed Sur	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-03-30-JUN-03	Salmon Research, Monitoring, and Evaluation	$62,075	$0	California

Project Description

Continuation of uninterrupted coho salmon confirmed presence/absence surveys throughout California.

Project Ref	Grantee	Project Name	State
704179	CDFG	Salmon Trout Education Program (STEP) for the Restoration and Conserv	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-04-OCT-02	Salmon Research, Monitoring, and Evaluation	$0	$11,221	Central California Coastal

Project Description

Provide a two-day training workshop to include in-service training/certification and curriculum materials for new STEP teachers. Provide classroom and hatchery educational presentations.

Project Ref	Grantee	Project Name	State
704191	CDFG	Coho and Steelhead Recovery in a Coastal California Stream	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-05-MAY-03	Salmon Research, Monitoring, and Evaluation	$0	$138,973	Central California Coastal

Project Description

Provide recommendations for the sustainable natural production of Coho and steelhead in the Scott Creek drainage through the study of deterministic biotic and abiotic factors. This work will employ the use of a variety of environmental measures, genetic techniques, studies of behavioral ecology and life history analyses. Of specific interest will be the consequences associated with a long history of artificial propagation in the Scott Creek watershed.

Project Ref	Grantee	Project Name	State
704217	CDFG	Microsatellite Analysis of Russian River Steelhead	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-05-MAY-03	Salmon Research, Monitoring, and Evaluation	$0	$198,310	Northern California Coastal

Project Description

Use microsatellite loci to examine genetic differentiation in Pacific steelhead populations above and below ten impassable barriers and among geographically distinct localities in the Russian River watershed.

Project Ref	Grantee	Project Name	State
704253	CDFG	South Fork Tom Long Creek Inner Gorge Road Upgrade Project 1	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-17-APR-03	Salmon Research, Monitoring, and Evaluation	$0	$58,163	Northern California Coastal

Project Description

Reduce the volume of fine sediment reaching the stream from approximately two miles of problematic inner gorge road. This will be accomplished through a variety of road upgrade/maintenance projects.

Project Ref	Grantee	Project Name	State
704278	CDFG	Channel Assessment for Baseline Data Collection, Middle Creek and West	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-04-JUN-03	Salmon Research, Monitoring, and Evaluation	$10,965	$0	Northern California Coastal

Project Description

Conduct quantitative assessments of channel conditions in two Mattole sub-basins in the Gilham butte area concurrently with the Mattole Restoration Council's inventory of upslope sediment sources. Data will serve as a baseline characterization of key channel parameters, which is necessary to evaluate the success of future priority restoration treatments focused on controlling sediment inputs.

Project Ref	Grantee	Project Name	State
704282	CDFG	Riparian Timber and Large Woody Debris Inventory	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-05-MAY-03	Salmon Research, Monitoring, and Evaluation	$68,864	$0	Northern California Coastal

Project Description

This is a monitoring project to identify large woody debris source distances from streams and tree fall direction tendencies in redwood-dominated riparian zones.

Project Ref	Grantee	Project Name	State
704285	CDFG	Horse Linto Creek Anadromous Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Research, Monitoring, and Evaluation	$0	$24,970	Klamath

Project Description

Continue to monitor Chinook/Coho adult spawning escapement to provide feedback on past Horse Linto hatchery supplementation of Chinook, and instream watershed restoration work that has benefited Chinook, Coho, and steelhead. Continue to monitor juvenile anadromous downstream migrants for the same reasons.

Project Ref	Grantee	Project Name	State
704293	CDFG	Influences of riparian vegetation and landscape-scale variables on salmoni	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-09-APR-03	Salmon Research, Monitoring, and Evaluation	$91,592	$0	Northern California Coastal

Project Description

To understand relationships between land use, riparian corridors, large woody debris, and salmonid habitat in the Mediterranean climate, hardwood watersheds of coastal California. This study will utilize GIS, remote sensing, stream and riparian field surveys, and existing California Department of Fish and Game databases to explore key ecosystem processes that affect fish habitat in hardwood watersheds.

Project Ref	Grantee	Project Name	State
704320	CDFG	Gazos Creek Telemetered Stream-Gauging Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-31-MAY-03	Salmon Research, Monitoring, and Evaluation	$25,182	$0	Central California Coastal

Project Description

Acquire baseline stream flow data in order to assess flow characteristics. This information is vital in determining essential flow requirements for salmonid habitat.

Project Ref	Grantee	Project Name	State
704371	CDFG	Trinity River Juvenile Fish Stranding Evaluation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-31-MAR-03	Salmon Research, Monitoring, and Evaluation	$53,609	$14,319	Klamath

Project Description

Identify potential stranding areas exposed at various flows; compare occurrences and severity of stranding between sites where the river is characterized by a natural river morphology, riparian berm morphology, and at channel restoration sites.

Project Ref	Grantee	Project Name	State
704388	CDFG	Humboldt Bay Watershed Coordinator Support	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-01-10-FEB-03	Salmon Research, Monitoring, and Evaluation	$45,191	$0	Northern California Coastal

Project Description

Support the Humboldt Bay Watershed Coordinator to work with the Humboldt Bay Watershed Advisory Committee to implement prioritized sections of the Humboldt Bay Watershed Plan. Continue coordination of stakeholders in the watershed in support of salmon recovery; update and add to the plan.

Project Ref	Grantee	Project Name	State
704396	CDFG	Fish Passage and Assessment: Forest Roads in Key Watersheds, Klamat	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-01-06-MAY-03	Salmon Research, Monitoring, and Evaluation	$0	$13,620	Klamath

Project Description

For all forest road crossings of fish bearing streams: field inventory and characterize crossings, identify fish passage problems, prioritize the recommend repair strategies for these crossings.

Project Ref	Grantee	Project Name	State
704397	CDFG	Calibration of the Turwar Streamflow Gauge on the Klamath River near Kla	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-01-18-APR-03	Salmon Research, Monitoring, and Evaluation	$3,905	$0	Klamath

Project Description

Monitor discharge at various flows to calibrate stage-discharge relationship as it changes with year-to-year and seasonal variation in channel profile.

Project Ref	Grantee	Project Name	State
704400	CDFG	Indian Creek Riparian Restoration Monitoring Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-05-JUN-03	Salmon Research, Monitoring, and Evaluation	$0	$7,540	Klamath

Project Description

Monitor harsh, exposed riparian restoration tree planting sites, using statistical methodologies, to determine best practices for future riparian tree planting.

Project Ref	Grantee	Project Name	State
704405	CDFG	Scott River Smolt Monitoring Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-30-APR-03	Salmon Research, Monitoring, and Evaluation	$0	$23,310	Klamath

Project Description

Trap emigrating salmonid smolts, Chinook, Coho and steelhead, in the Scott sub basin to collect baseline data concerning the quantity, quality, run timing, and other life history patterns; provide samples for disease assessment.

Project Ref	Grantee	Project Name	State
706345	CDFG	Russian River Macroinvertebrate Sampling 2000	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-12-MAY-03	Salmon Research, Monitoring, and Evaluation	$15,142	$0	Northern California Coastal

Project Description

This sampling prject would provide data which can be used for prioritizing streams and/or sites for future restoration projects to improve water quality; establish reference conditions which will provide a goal for the improvement of impaired streams.

Project Ref	Grantee	Project Name	State
706348	CDFG	Watershed Effec. Monitoring Field Verification & Collection	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-18-APR-03	Salmon Research, Monitoring, and Evaluation	$0	$99,503	California

Project Description

Develop and validate standardized sampling and assessment protocols suitable for a comprehensive, long-term program to systematically monitor and validate the effectiveness of anadromous salmonid restoration projects conducted throughout California's coastal anadromous salmonid watersheds. The purpose of validation monitoring, with respect to salmon, is to establish a cause-and-effect relationship between the implementation and observed effects of watershed restoration and conservation actions and the subsequent responses by salmon and steelhead.

Project Ref	Grantee	Project Name	State
706387	CDFG	Central Valley Steelhead Genetic and Population Structure Evaluation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-31-MAY-03	Salmon Research, Monitoring, and Evaluation	$0	$95,296	California

Project Description

Analyze the genetic structure of naturally spawning rainbow trout populations in the Central Valley and to compare with other rainbow trout populations both within and outside the Central Valley.

Project Ref	Grantee	Project Name	State
720002	CDFG	Yager Creek Salmon Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-OCT-01-31-MAR-03	Salmon Research, Monitoring, and Evaluation	$0	$25,862	Northern California Coastal

Project Description

1.Operate trapping and rearing facilities, in the Yager Creek and Lawrence Creek, Copper Mill and Shaw Creek system.
2.Grantee may trap and spawn up to 35 female and 70 male chinook salmon to take approximately 100,000 eggs if consistent with a DFG approved 5 year plan and supported by the trapping and rearing permit for 2001/2002 brood year salmon issued by DFG Northern California & North Coast Region.
3.Grantee will rear approximately 65,000 salmon at sites approved in writing by the Project Manager.
4.All chinook salmon will be marked with a left ventral (LV) fin clip prior to their release.
5.All fish will be released in accordance with the 2001/02 brood year trapping and rearing permit, and in accordance with Fish and Game Department and Commission policy.

Project Ref	Grantee	Project Name	State
720004	CDFG	The Mill Creek Fisheries Monitoring Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-NOV-01-31-MAR-03	Salmon Research, Monitoring, and Evaluation	$0	$93,887	Northern California Coastal

Project Description

The Mill Creek Fisheries Monitoring Program is comprised of three components; spawner escapement surveys, juvenile out-migration trapping, and summer population monitoring/estimates. Spawner escapement surveys: The objective is to monitor adult relative abundance for chinook in Mill Creek. Spawner surveys will consist of streamside surveys with a minimum of 2 person crews. Juvenile out-migration trapping: The principle objectives of juvenile out-migration trapping will be to quantitatively determine species diversity, species out-migration timing, and monitor long-term trends of salmonids leaving the system. Outmigrant trapping will be conducted using pipe traps on the East Fork and West Branch of Mill Creek. Summer Population Monitoring: Population sampling through juvenile abundance dive counts will estimate young-of-the-year coho salmon and juvenile (1+) steelhead.

Project Ref	Grantee	Project Name	State
720007	CDFG	HSUF: Statistical Methods for Presence-Absence Surveys Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-02-31-MAR-04	Salmon Research, Monitoring, and Evaluation	$0	$15,020	California

Project Description

Develop presence-absence protocols for juvenile salmonids in a particular stream or stream reach in the face of uncertain detection. The protocol developed will be generally applicable to all juvenile anadromous salmonid species in coastal California streams; however, the focus of the project will be on the application of estimation methods for juvenile coho salmon in small streams or in stream sections that are within the sampling frame of those streams surveyed by CDFG¿s current presence-absence surveys of coho salmon.

Project Ref	Grantee	Project Name	State
720008	CDFG	NCSU: Statistical Methods for Presence-Absence Surveys Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-02-31-MAR-04	Salmon Research, Monitoring, and Evaluation	$0	$43,764	California

Project Description

Develop presence-absence protocols for juvenile salmonids in a particular stream or stream reach in the face of uncertain detection. The protocol developed will be generally applicable to all juvenile anadromous salmonid species in coastal California streams; however, the focus of the project will be on the application of estimation methods for juvenile coho salmon in small streams or in stream sections that are within the sampling frame of those streams surveyed by CDFG¿s current presence-absence surveys of coho salmon.

Project Ref	Grantee	Project Name	State
720019	CDFG	Sproul Creek Downstream Migrant Monitoring Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-02-31-MAR-03	Salmon Research, Monitoring, and Evaluation	$0	$7,461	Northern California Coastal

Project Description

Provide for continued downstream migrant (DSM) trapping of juvenile anadromous salmonids in Sproul Creek, to estimate the production of coho salmon and steelhead from the upper reaches of this watershed. Data collected under terms of this agreement will be used to provide for best possible management decisions regarding management of anadromous fish and their habitats in the Sproul Creek Watershed, and other nearby systems.
Downstream fyke-pipe traps, of a design subject to the approval of the Grantor¿s Project Manager, be installed on the West Fork of Sproul Creek and on the upper Main Fork of Sproul Creek (South Fork of Sproul Creek). Both traps will be located on Barnum Timber Company land (Township 5S, Range 3E, NW 1/4 of Section 8, location on the Garberville, CA U.S.G.S. quadrangle).
The traps will be operated seven nights per week between March 15, 2002 and June 1, 2002, except during periods of high flow or high water temperature. All salmonids will be identified and subsamples will be measured and weighed. Trapping efficiency will be conducted nightly for each trapping location. The fish used in estimating trap efficiency will be marked by clipping either the upper or lower caudal fin.

Project Ref	Grantee	Project Name	State
720023	CDFG	Santa Clara Upstream Migration Monitoring	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-02-31-MAR-03	Salmon Research, Monitoring, and Evaluation	$0	$36,075	Ventura-San Gabriel Coastal

Project Description

The false weir will be centered in the existing fish baffled channel section of the fish ladder. The water feeding the false weir will come from a 12-inch pipe. The 12-inch pipe connecting to the false weir will have a gate to regulate the flows due to fluctuating river levels at its intake point. Attached to the top of the weir will be a device that will trigger the computer/ video monitor when the fish jumps over the weir.
The computer/video monitor will be programmed to record an event for 1 minute before and after the fish has triggered the system. The computer will then log the video clip at 32 frames per second for verification of species at a later date. The system in the proposal will also have the capability to e-mail interested parties when the event has occurred with the video clip. The triggering device will be what is known as a lighted curtain that will tell the computer that a fish has jumped the weir without having to touch any sort of mechanical device.

Project Ref	Grantee	Project Name	State
720511	CDFG	California Coho Salmon Presence Confirmed/Presence Not Confirmed Sur	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-03-30-JUN-03	Salmon Research, Monitoring, and Evaluation	$0	$149,772	California

Project Description

Continuation of uninterrupted coho salmon confirmed presence/absence surveys throughout California.

Project Ref	Grantee	Project Name	State
AK45504	ADFG	Scientific Fisheries Systems Riverine Sonar	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$969,030	$0	Alaska

Project Description

The overall goal of this project is to evaluate the utility of broadband sonar systems for use in riverine environments. There are three specific subordinate objectives that will be addressed through this project: develop and demonstrate a methodology for broadband calibration; differentiate salmon species by precise size measurement; and provide data of sufficient quality that individual fish can be tracked.

Project Ref	Grantee	Project Name	State
AK45516	ADFG	ADF&G Sonar Scientific Fisheries Systems	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$15,500	$0	Alaska

Project Description

Provide department assistance as needed to a project testing capabilities of broadband system to effectively discriminate between chinook and sockeye salmon using broadband sonar.

Project Ref	Grantee	Project Name	State
AKPND5A	ADFG	AYK Sustainable Salmon Initiative	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$3,445,855	$0	Alaska

Project Description

Congressional earmark

Project Ref	Grantee	Project Name	State
AKPND5C	ADFG	Yukon River Drainage Fisheries Association	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$492,265	$0	Alaska

Project Description

Congressional earmark

Project Ref	Grantee	Project Name	State
AKPND5F	ADFG	Kenai River	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$1,969,060	$0	Kenai Peninsula

Project Description

Congressional earmark

Project Ref	Grantee	Project Name	State
AKPND5G	ADFG	Russian River	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Salmon Research, Monitoring, and Evaluation	$984,530	$0	Kenai Peninsula

Project Description

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Project Ref	Grantee	Project Name	State
AK2003 SF	ADFG	ADFG FY2003 In-kind contribution	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$1,847,565	$0	Alaska

Project Description

In-kind state contribution to the PCSRF progam

Project Ref	Grantee	Project Name	State
AK45401	ADFG	[Yukon River Drainage Fishermen's Association (YRDFA) Roll-Up]	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-SEP-03-30-JUN-08	Salmon Research, Monitoring, and Evaluation	$134,845	$0	Upper Yukon River

Project Description

[Project numbers 45402-45416 reserved for YRDFA projects]. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45403	ADFG	Grayling In-season Subsistence	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$27,795	$0	Lower Yukon

Project Description

Document the subsistence salmon harvest for the community of Grayling. Gather harvest timing and post-season survey information. Managers will be able to access important harvest information in-season to facilitate management decisions and ensure that all Yukon River users meet their goals.

Project Ref	Grantee	Project Name	State
AK45404	ADFG	Fort Yukon Subsistence Monitoring	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$45,753	$0	Upper Yukon River

Project Description

Monitor the timing and locations of the subsistence fishery in the Fort Yukon area. Collect related harvest information. Determine locations of fall chum harvests relative to the confluence of the Porcupine River with the Yukon.

Project Ref	Grantee	Project Name	State
AK45405	ADFG	Local Fisheries Technicians	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$101,196	$0	Upper Yukon River

Project Description

Fund local fisheries technicians to work with the ADF&G at various test fishery locations within the Yukon River Drainage. The YRDFA staff biologist will travel to each test fishery site to meet with the local technician.

Project Ref	Grantee	Project Name	State
AK45406	ADFG	Depth and Temperature Data for Tagged Chinook	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$25,433	$0	Upper Yukon River

Project Description

Local fishers will capture chinook salmon near the village of Russian Mission. Project personnel will tag selected fish with radio-archival tags that record swimming depth and water temperature. Remote tracking stations will track the fish and aircraft will be used to locate and recover the tags to download the archival data.

Project Ref	Grantee	Project Name	State
AK45407	ADFG	Henshaw Creek Resistance Board Weir	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$31,788	$0	Upper Yukon River

Project Description

Enumerate the daily and seasonal escapement of adult chinook and summer chum in Henshaw Creek, describe their run timing, describe their age, sex, and length composition, serve as a training platform for YRDFA fisheries technicians, and enumerate resident fish (northern pike, longnose suckers, and whitefish) passing the weir.

Project Ref	Grantee	Project Name	State
AK45408	ADFG	Gear Survey Yukon River Chinook	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$25,433	$0	Upper Yukon River

Project Description

Survey fishers along the river to determine gillnet mesh sizes, depth of nets, numbers and locations of fish wheels, and the times they are used. Visit fishing camps and buying stations to verify mesh sizes of commercial and subsistence gear. As the chinook run progresses upriver, the sampling crew would follow the migration.

Project Ref	Grantee	Project Name	State
AK45409	ADFG	Andreafsky River Resistance Board Weir	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$10,173	$0	Lower Yukon

Project Description

Data describing the coho salmon run in the East Fork of the Andreafsky River will provide state and federal managers with information to regulate the harvest and to provide for sufficient escapement. This stock is a surrogate for modeling other coho stocks in the lower Yukon.

Project Ref	Grantee	Project Name	State
AK45410	ADFG	Subsistence Assistance Post Season	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$17,924	$0	Upper Yukon River

Project Description

Hire 15 to 33 individuals that will assist with local logisitics, conduct follow-up surveys, and help bridge any cross-cultural gaps between surveyors and residents as the subsistence surveys progress from village to village.

Project Ref	Grantee	Project Name	State
AK45411	ADFG	Ichthyophonus Planning Yukon and Bering Sea	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$24,307	$0	Norton Sound

Project Description

Bring together various investigators and stakeholders to assess what we know about Ichthyophonus based on the concept that many have answers to parts of this puzzle but no one has answers to all the parts. Identify the important information gaps and create a research plan to investigate the priority elements identified.

Project Ref	Grantee	Project Name	State
AK45418	ADFG	Stikine Chinook Mark-Recapture Rock Island	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-01-JUN-05	Salmon Research, Monitoring, and Evaluation	$123,600	$0	Central Southeast Alaska

Project Description

Returning Stikine River chinook salmon will be captured in set gillnets, measured, sampled for scales, tagged, inspected for adipose fin clips, and released. Tagged fish will be recaptured in the Canadian test fishery. Mark-recapture data will be used to estimate in-season abundance.

Project Ref	Grantee	Project Name	State
AK45420	ADFG	Northern Boundary Sockeye Stock ID	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JAN-04-31-DEC-05	Salmon Research, Monitoring, and Evaluation	$275,000	$0	Southern Southeast Alaska

Project Description

Develop DNA baselines for sockeye salmon populations from SE Alaska and Canada that contribute to the Northern Boundary fisheries. Contributing populations will be identified and sampled for fin tissue. Tissues will be assayed for DNA markers. Population structure and reporting groups will be identified for these collections. Ability of these reporting groups to discriminate between Alaska and Canadian sockeye salmon stocks will be tested for potential application to mix-fishery analysis.

Project Ref	Grantee	Project Name	State
AK45421	ADFG	District 101 Sockeye Stock ID	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-04-30-JUN-06	Salmon Research, Monitoring, and Evaluation	$110,000	$0	Southern Southeast Alaska

Project Description

Estimate the contribution, and time and area distribution, of Hugh Smith Lake sockeye salmon to the District 101 gillnet and seine fisheries in Revillagigedo Channel, through sampling sockeye salmon otoliths at cold storage facilities in Ketchikan or on the fishing grounds.

Project Ref	Grantee	Project Name	State
AK45431	ADFG	Coded-Wire Tagging Manual	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$50,000	$0	Alaska

Project Description

Fund the completion of a manual that will detail all the planning, capture, and tagging aspects needed to conduct a successful coded-wire tagging project.

Project Ref	Grantee	Project Name	State
AK45432	ADFG	Yakutat Coho CWT and Escapement	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$130,295	$0	Gulf of Alaska

Project Description

Coho salmon smolts will be coded-wire tagged in the Situk, Ahrnklin, and Lost Rivers near Yakutat and spawning escapement will be estimated in the Ahrnklin River. The objective is to obtain harvest and escapement estimates in inshore and offshore fisheries.

Project Ref	Grantee	Project Name	State
AK45433	ADFG	Blossom River Chinook Escapement	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$102,500	$0	Southern Southeast Alaska

Project Description

Re-implement a mark-recapture program to estimate the total escapement of chinook salmon to the Blossom River for two years. Provide estimates of total escapement and verify aerial surveys. Data will be used to revise escapement goals and improve fishery management.

Project Ref	Grantee	Project Name	State
AK45434	ADFG	Salmon Lake Coho Stock Assessment	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$100,000	$0	Northern Southeast Alaska

Project Description

A weir will be established at the outlet of Salmon Lake and coho salmon enumerated between August 15 and October 31. An in-lake mark-recapture approach will be used to estimate the 2004 escapement, smolt production, survival,and exploitation.

Project Ref	Grantee	Project Name	State
AK45436	ADFG	Klawock Weir Improvements	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$27,501	$0	Southern Southeast Alaska

Project Description

Install an improved superstructure on the Klawock weir. The face of the weir needs to be angled back to 45 degrees or less so there is more surface area for water to flow through the pickets. This will hold the weir in place, help control erosion underneath, and clear debris from the face. A fixed bottom channel is needed to secure the weir to the river bottom.

Project Ref	Grantee	Project Name	State
AK45437	ADFG	Falls and Klawock Sockeye Assessment	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$340,000	$0	Southern Southeast Alaska

Project Description

Oversee six sockeye salmon assessment projects for three years. Funds positions responsible for proposals, progress reports, budgets, general research direction, presentations to the public and subsistence councils, plus fieldwork including training, forms, protocols, and crew scheduling.

Project Ref	Grantee	Project Name	State
AK45439	ADFG	Domestication Selection In Southeast Chinook	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$118,723	$0	Southern Southeast Alaska

Project Description

The University of Alaska Fairbanks (UAF) will analyze the genetics of returning chinook from the Little Port Walter hatchery on Baranof Island in comparison to the wild stocks from which the hatchery brood stock was taken in 1970s. The intent is to determine if there is any divergence among these populations, which could indicate domestication behavior and an implied reduction of the "fitness" of the hatchery fish.

Project Ref	Grantee	Project Name	State
AK45441	ADFG	Stikine Sockeye Radio Telemetry	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$182,328	$0	Central Southeast Alaska

Project Description

Upstream migrating adult sockeye will be caught at Rock Island Eddy, approximately 13 km downstream of the U.S./Canada border, tagged and marked with FLOY tags before being released. Stationary radio tracking receivers will be placed at 13 upstream sites to determine success of migration of tagged fish. Aerial tracking flights will estimate spawning locations.

Project Ref	Grantee	Project Name	State
AK45442	ADFG	Chilkat Lake Sockeye Escapement	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$184,500	$0	Northern Southeast Alaska

Project Description

Operate ADF&G fishwheels to capture salmon for tagging in the fall, as well as recovery efforts on the spawning grounds late into the sampling season. Operating the Chilkat River fish wheel project for monitoring and estimating escapement and A-S-L composition of Chilkat River sockeye.

Project Ref	Grantee	Project Name	State
AK45443	ADFG	Hugh Smith and Ketchikan Sockeye Escapement	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$151,410	$0	Southern Southeast Alaska

Project Description

Estimate the spawning escapement of sockeye into Hughj Smith Lake and evaluate rehabilitation efforts there. Index the spawning escapements of sockeye into McDonald and Salmon lakes.

Project Ref	Grantee	Project Name	State
AK45444	ADFG	Traitors Pink Escapement	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$54,168	$0	Southern Southeast Alaska

Project Description

A two-sample mark-recapture population study will be conducted to estimate the spawning population of pink salmon at Traitors Creek. This will be compared to peak aerial survey estimates and to peak observer bias-adjusted survey estimates.

Project Ref	Grantee	Project Name	State
AK45445	ADFG	Chilkat Lake Sockeye Weir	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$180,000	$0	Northern Southeast Alaska

Project Description

Provide management with an escapement assessment of sockeye salmon to the Chilkat Lake drainage and to evaluate and update existing biological escapements goals (BEGs). Sockeye will be examined for marks applied from the lower Chilkat River fish wheel project at the Chilkat Lake weir site.

Project Ref	Grantee	Project Name	State
AK45446	ADFG	Chilkat Stock Assessment Biologist	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$68,000	$0	Northern Southeast Alaska

Project Description

The incumbent will serve as the project manager for three Chilkat River stock assessment projects. These mark-recapture projects utilize two fish wheels to sample and mark sockeye and chum. The recovery of marked fish on the spawning grounds and the sampling of marked sockeye at the Chilkat Lake weir allows for escapement estimation and the ability to monitor salmon migration in-season.

Project Ref	Grantee	Project Name	State
AK45447	ADFG	Coded Wire Tag Lab Support	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$100,000	$0	Alaska

Project Description

The workload of the ADF&G Coded Wire Tag Lab has increased because of additional tagging programs, recent large returns of chinook and coho salmon, and from effects of mass marking programs instituted elsewhere along the Pacific coast. This project would support the increased costs.

Project Ref	Grantee	Project Name	State
AK45448	ADFG	Chikamin Chinook Mark-Recapture	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$275,000	$0	Southern Southeast Alaska

Project Description

The escapement of chinook salmon will be estimated in the Chikamin River in 2004 and 2005 by implementing a mark-recapture study. The age, sex, and length composition will also be estimated. Fish are captured and tagged in the lower river and then later inspected for recovery of tags upriver on spawning grounds.

Project Ref	Grantee	Project Name	State
AK45449	ADFG	Chinnok Age Sex Length	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$92,000	$0	Southern Southeast Alaska

Project Description

King Salmon and Keta rivers and Andrews Creek are 3 of 11chinook escapement index stocks used by ADF&G and the Chinook Technical Committee for assessing escapement abundance. Sufficient samples will be collected from post-spawning fish in each river in 2004 and 2005 to estimate escapement by age and sex.

Project Ref	Grantee	Project Name	State
AK45450	ADFG	Stock Assessment Assistant Sport Fish	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$50,000	$0	Southern Southeast Alaska

Project Description

Assisit in planning and operation of salmon stock assessment projects (coded-wire tagging and adult escapement mark-recpature) on the Stikine River, support for other salmon stock assessment projects in Southeast Alaska (SEAK), conversion of the tagging and ASL database, and ttechnical analyses.

Project Ref	Grantee	Project Name	State
AK45451	ADFG	Stikine Chinook CWT	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$137,000	$0	Southern Southeast Alaska

Project Description

Chinook salmon smolt from brood years 2003 and 2004 will be coded-wire tagged in spring 2005 and 2006, respectively, and tagged fish from each brood year will be recovered in river and in marine fisheries through 2010 and 2011.

Project Ref	Grantee	Project Name	State
AK45452	ADFG	Ford Arm Lake Coho	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$139,050	$0	Southern Southeast Alaska

Project Description

Escapement, harvest, juvenile abundance, survival, and age,sex, length composition are estimated for Ford Arm Lake coho salmon. The abundance and ASL composition of the sockeye escapement are also estimated. Escapement goals will be developed and refined and management models developed.

Project Ref	Grantee	Project Name	State
AK45455	ADFG	Chilkat River Adult Coho Mark-Recapture	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$15,000	$0	Northern Southeast Alaska

Project Description

Adult coho will be sampled from the Chilkat River escapement in 2004 to estimate the age, sex, and length composition and to determine the fraction marked with coded-wire tags implanted in smolt in spring 2003.

Project Ref	Grantee	Project Name	State
AK45456	ADFG	Chilkat River Chinook and Coho Smolt CWT	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$76,740	$0	Northern Southeast Alaska

Project Description

Chinook and coho salmon smolt will be trapped in the lower Chilkat River and coded-wire tagged in spring of 2005. Tagged fish will be recovered in river and in marine fisheries as they return as adults.

Project Ref	Grantee	Project Name	State
AK45457	ADFG	Chuck Creek Coho Escapement	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$75,000	$0	Southern Southeast Alaska

Project Description

Emigrating coho smolt will be captured and coded-wire tagged. Commercial and sport fishers will be sampled for tagged fish to obtain harvest harvest estimates. Returning mature fish will be captured with a weir and will be inspected for tags.

Project Ref	Grantee	Project Name	State
AK45458	ADFG	Nakwasina River Coho Stock Assessment	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$40,000	$0	Central Southeast Alaska

Project Description

An open population mark-recapture experiment will estimate the escapement of coho salmon in Nakwasina River in 2005 in conjunction with coded-wire tag recovery to estimate exploitation, harvest, smolt abundance, and survival.

Project Ref	Grantee	Project Name	State
AK45462	ADFG	Statewide Salmon Fisheries Scientist	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$73,851	$0	Alaska

Project Description

Provide direct technical and other assistance on matters related to salmon stock assessment, escapement enumeration and goals, stock identification, and forecasting. Control the quality of salmon research through the development, review, and modification of project operational plans.

Project Ref	Grantee	Project Name	State
AK45463	ADFG	Statewide Salmon Fisheries Scientist (earmark)	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$73,851	$0	Alaska

Project Description

Provide direct technical and other assistance on matters related to salmon stock assessment, escapement enumeration and goals, stock identification, and forecasting. Control the quality of salmon research thrpough the development, review, and modification of project operational plans.

Project Ref	Grantee	Project Name	State
AK45464	ADFG	Taku River Coho Escapement	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$40,000	$0	Northern Southeast Alaska

Project Description

Provide annual estimates of coho escapement necessary to refine and improve escapement goals and forecast runs, along with in-season abundance estimates for abundance-based management.

Project Ref	Grantee	Project Name	State
AK45468	ADFG	Professional Training Sport Fish	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$55,000	$0	Alaska

Project Description

This proposal would provide professional training to improve staff skills in stock assessment and fishery management. ADF&G has long been recognized as one the world leaders in sustainable fishery management and stock conservation; because of a dedicated, knowledgeable and skilled work force. The department is likely to lose that status because of the loss of its most senior and talented staff to other agencies that offer higher pay, more benefits and less responsibility, and a lack of an influx of talented entry-level professionals.

Project Ref	Grantee	Project Name	State
AKPND4A	ADFG	District 11 Sockeye Stock Identification	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$40,000	$0	Southern Southeast Alaska

Project Description

Under development

Project Ref	Grantee	Project Name	State
AKPND4B	ADFG	Chinook Genetics Stock Composition	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$132,000	$0	Alaska

Project Description

Under development

Project Ref	Grantee	Project Name	State
AKPND4D	ADFG	Professional Training Comm Fish	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$55,000	$0	Alaska

Project Description
Under development

Project Ref	Grantee	Project Name	State
AKPND4E	ADFG	Pink and Chum Aerial Surveys	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$40,000	$0	Southern Southeast Alaska

Project Description
Under development

Project Ref	Grantee	Project Name	State
AKPND4F	ADFG	McDonald Lake Sockeye Escapement Estimation	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$120,000	$0	Southern Southeast Alaska

Project Description
Under development

Project Ref	Grantee	Project Name	State
AKPND4G	ADFG	Seasonal Stock Assessment Biologist	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$80,000	$0	Southern Southeast Alaska

Project Description
Under development

Project Ref	Grantee	Project Name	State
AKPND4H	ADFG	AYK Sustainable Salmon Initiative	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$4,950,000	$0	Alaska

Project Description

Congressional earmark

Project Ref	Grantee	Project Name	State
AKPND4L	ADFG	Alaska Sealife Center/Seward Salmon Run Projects	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Salmon Research, Monitoring, and Evaluation	$77,283	$0	Kenai Peninsula

Project Description

Under development

Project Ref	Grantee	Project Name	State
AK2002 SF	ADFG	ADFG FY2002 In-kind contribution	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$0	$1,720,284	Alaska

Project Description

In-kind state contribution efforts that complement the PCSRF program

Project Ref	Grantee	Project Name	State
AK45076	ADFG	AYK - USGS Retrospective Analysis of AYK Chinook Growth	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$24,407	$0	Norton Sound

Project Description

Measure annual and seasonal growth of Yukon River and Kuskokwim River chinook salmon in freshwater and marine habitats during the past 41 years using the historical collection of scales correlated with salmon body size.

Project Ref	Grantee	Project Name	State
AK45077	ADFG	AYK - NRC Retrospective Analysis of AYK Chinook Growth	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$37,020	$0	Norton Sound

Project Description

Measure annual and seasonal growth of Yukon River and Kuskokwim River chinook salmon in feshwater and marine habitats during the passt 41 years using the historical collection of scales correlated with salmon body size.

Project Ref	Grantee	Project Name	State
AK45078	ADFG	AYK - Digital Scale for AYK Chinook	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$64,923	$0	Norton Sound

Project Description

ADF&G has maintained archival scale data since 1964 in the from of acetate impressions of actual salmon scales. A digital database will be created from this archive with emphasis on chinook salmon populations in the Yukon and Kuskokwim rivers.

Project Ref	Grantee	Project Name	State
AK45203	ADFG	AYK Chinook Parasite Effects	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-01-JUN-07	Salmon Research, Monitoring, and Evaluation	$500,000	$0	Upper Kuskokwim River

Project Description

Study the effects of Ichthyophonus on survival and reproductive success of chinook salmon in the Arctic/Yukon/Kuskokwim area. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45214	ADFG	Pink and Chum Aerial Surveys	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-JUN-05	Salmon Research, Monitoring, and Evaluation	$84,800	$0	Central Southeast Alaska

Project Description

Increase aerial surveys to monitor pink and chum salmon escapements in SE AK

Project Ref	Grantee	Project Name	State
AK45215	ADFG	Yakutat Forelands Sockeye and Coho	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JAN-03-01-JUN-06	Salmon Research, Monitoring, and Evaluation	$424,750	$0	Gulf of Alaska

Project Description

Improve escapement estimation for Yakutat area sockeye and coho salmon systems

Project Ref	Grantee	Project Name	State
AK45216	ADFG	Chilkat Chum Escapement	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-04-01-JUN-06	Salmon Research, Monitoring, and Evaluation	$124,600	$0	Northern Southeast Alaska

Project Description

Estimate age, length, and sex compositions and escapement of chum salmon to the Chilkat and Klehini Rivers

Project Ref	Grantee	Project Name	State
AK45218	ADFG	Hugh Smith Sockeye Research	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-JUN-06	Salmon Research, Monitoring, and Evaluation	$109,900	$0	Southern Southeast Alaska

Project Description

Provide estimates of wild and hatchery-origin sockeye juvenile abundance, survival, and size

Project Ref	Grantee	Project Name	State
AK45219	ADFG	SE Chinook Port Sampling	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-07	Salmon Research, Monitoring, and Evaluation	$190,800	$0	Central Southeast Alaska

Project Description

Sample spring troll fisheries for coded wire tags in the 2004-2006 fishing seasons to document the Alaskan hatchery catch

Project Ref	Grantee	Project Name	State
AK45220	ADFG	[AYK Rollup]	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-01-JUN-07	Salmon Research, Monitoring, and Evaluation	$2,013,179	$0	Upper Kuskokwim River

Project Description

Encumbered, projects under development. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45222	ADFG	AYK NAS Analysis and Review	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAR-03-01-JUN-07	Salmon Research, Monitoring, and Evaluation	$565,002	$0	Upper Kuskokwim River

Project Description

The National Academy of Sciences will assist the AYK Sustainable Salmon Initiative in developing a high-quality, long-term restoration and research plan for the AYK region. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45223	ADFG	Kuskokwim Salmon Population Estimates	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-01-MAY-04	Salmon Research, Monitoring, and Evaluation	$204,164	$0	Upper Kuskokwim River

Project Description

Estimate total abundance of chum, sockeye, and coho salmon in the Kuskokwim River, upstream from Kalskag. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45224	ADFG	Yukon Chinook Telemetry and M-R	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-01-JUN-04	Salmon Research, Monitoring, and Evaluation	$175,100	$0	Tanana River

Project Description

Use radio telemetry techniques and a mark-recapture model to estimate total abundance, stock composition, run timing, migration characteristics, and spawning abundance of Chinook Salmon in the Yukon River. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45225	ADFG	Y-K and Kotzebue Data	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-MAR-04	Salmon Research, Monitoring, and Evaluation	$15,450	$0	Upper Kuskokwim River

Project Description

Aggregate, error-check, and correct historical ASL data in the AYK region, and standardize data formats for inclusion into a centralized database . Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45226	ADFG	AYK Satellite-derived Environmental Database	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-01-MAY-04	Salmon Research, Monitoring, and Evaluation	$78,582	$0	Upper Kuskokwim River

Project Description

Produce an oceanographic data base of the Eastern Bering Sea spanning the years 1987-present. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45227	ADFG	Uncertainty Analysis for Chum BEGs	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-01-MAY-04	Salmon Research, Monitoring, and Evaluation	$36,050	$0	Upper Kuskokwim River

Project Description

Subject the statistical analysis used for arriving at BEGs to a formal uncertainty analysis, to quantify the magnitude and explore possible consequences of any error. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45229	ADFG	AYK Yukon Chum Telemetry	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$96,661	$0	Upper Yukon River

Project Description

Use radio telemetry to estimate run timing, movement, and spawning distribution of summer chum in the Yukon River, with particular emphasis on what proportion of tagged fish go to the Anvik and Tanana Rivers and other tributaries.

Project Ref	Grantee	Project Name	State
AK45230	ADFG	AYK Energy Estimation of Yukon Chinook	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$21,581	$0	Upper Yukon River

Project Description

The recent development of bioelectrical impedance analysis (BIA) promises a simple, non-lethal means of estimating the amount if lipids stored and available to chinook salmon in the Yukon River. The project goal is to develop models that will permit the estimation of body composition (e.g. fat, protein, and water content) for use in field studies.

Project Ref	Grantee	Project Name	State
AK45231	ADFG	AYK Kuskokwim River Chum Fry Outmigration	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$134,590	$0	Lower Kuskokwim River

Project Description

Explore methods of under-ice sampling before and during spring break-up to estimate outmigration timing of chum fry in the Kuskokwim watershed. Investigations into the feeding ecology and energy reserves of chum fry originating from the upper Kuskokwim (>900km from estuary) and the Kwethluk (<200km from estuary) may help gain an understanding of the factors relating to migration distance that can influence survival during the smolt transition from freshwater to estuarine stages.

Project Ref	Grantee	Project Name	State
AK45232	ADFG	AYK Characteristics of Kuskokwim Fall Chum	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$74,971	$0	Lower Kuskokwim River

Project Description

This project will: 1) describe the distribution, morphology, and biology of adult fall chum in comparison to summer chum, 2) describe the run-timing of adult fall chum in the lower Kuskokwim, and 3) determine the relative abundance of adult fall chum. Project objectives will be achieved by utilizing historical data, local traditional knowledge, and by capitalizing on existing project platforms.

Project Ref	Grantee	Project Name	State
AK45233	ADFG	AYK Unalakleet Coho Abundance and Spawning	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$68,269	$0	Norton Sound

Project Description

This study will utilize radiotelemetry techniques to estimate the proportions of coho salmon escapement migrating up the mainstem and North Fork Unalakleet, North Chirosky, and Old Woman rivers and estimate the total abundance of coho escaping by proportional expansion of the existing North River tower count. Approximately 200 coho will be tagged with esophageal radio tags and tracked using stationary stations and aerial surveys.

Project Ref	Grantee	Project Name	State
AK45234	ADFG	AYK Unalakleet Chum Telemetry	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$158,164	$0	Norton Sound

Project Description

Use radiotelemetry techniques and mark-recapture methodology to estimate the abundance, stock composition, run timing, migration, and spawning distribution of chum salmon in the Unalakleet River drainage. Assess whether chum counts at the North River tower can be used to estimate the Unalakleet River drainage population and if the majority of chum migrate and spawn past a proposed weir location upriver.

Project Ref	Grantee	Project Name	State
AK45235	ADFG	AYK Nome Watershed Habitat Restoration Framework	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$147,267	$0	Norton Sound

Project Description

Using the Nome River, develop and test a salmon habitat restoration framework that will identify cost-effective treatment strategies and designs for western Alaska streams. The work will consist of three components: (1) overview watershed assessment to identify priority sub-basins and reaches, (2) detailed habitat assessments on priority reaches, and (3) designs for specific treatments or structures that address restoration needs.

Project Ref	Grantee	Project Name	State
AK45236	ADFG	AYK Capacity Development and Community Involvement	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$79,031	$0	Norton Sound

Project Description

This project will focus on community involvement by hiring youth from 10 villages to collect biological data. This will provide an opportunity to build capacity in each community. Data will be used to generate information on genetic stock indentification, diseases such as Ichthyophonus and age, sex, length distributions.

Project Ref	Grantee	Project Name	State
AK45237	ADFG	AYK Experimental Design Principle Project Review	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$13,071	$0	Norton Sound

Project Description

Review literature on experimental designs in applied ecology and develop a framework that applies those concepts to restoration projects for AYK salmon. The main benefit of the proposed research is a more efficient use of AYK SSI funds to focus on the most effective restoration methods.

Project Ref	Grantee	Project Name	State
AK45238	ADFG	AYK Norton Sound Subsistence Patterns and Trends	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$120,510	$0	Norton Sound

Project Description

Explore patterns and trends in subsistence salmon harvests in ten communities. Retrieve the archived annual survey data files, translate them into a common data format and aggregate to household level. Explore patterns of salmon harvest at the household level.

Project Ref	Grantee	Project Name	State
AK45239	ADFG	AYK Clear Creek Chum Ecology	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$100,368	$0	Norton Sound

Project Description

Begin the development of stream-channel/drainage-wide methods to evaluate the quality and distribution of chum salmon spawning and incubation habitat. Produce a geo-referenced map and database to provide a tool for assessing changes. Develop a method to be applied widely.

Project Ref	Grantee	Project Name	State
AK45240	ADFG	AYK Effective Population Size	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Salmon Research, Monitoring, and Evaluation	$48,522	$0	Norton Sound

Project Description

Use both demographic and genetic data to estimate and evaluate the effective population size of chinook salmon from the Kwethluk. Tuluksak, Gisasa, and Tozitna rivers compared to theoretical threshold values.

Project Ref	Grantee	Project Name	State
AK45241	ADFG	Taku River Chum Telemetry	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-JUN-04	Salmon Research, Monitoring, and Evaluation	$114,000	$0	Northern Southeast Alaska

Project Description

Provide detailed information on the spawning distribution of chum salmon in the Taku River

Project Ref	Grantee	Project Name	State
AK45242	ADFG	Fringe Habitat	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JAN-03-01-JAN-05	Salmon Research, Monitoring, and Evaluation	$103,000	$0	Central Southeast Alaska

Project Description

Characterize seasonal salmonid densities in high-gradient headwater streams related to habitat parameters and define the terminal limit of salmonid presence based on geomorphic factors

Project Ref	Grantee	Project Name	State
AK45243	ADFG	Stikine River Coho M-R	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-JUN-07	Salmon Research, Monitoring, and Evaluation	$206,700	$0	Central Southeast Alaska

Project Description

Provide annual estimates of escapement by age and sex

Project Ref	Grantee	Project Name	State
AK45244	ADFG	Chilkat Coho Radio Tele Esc	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-JUN-04	Salmon Research, Monitoring, and Evaluation	$70,172	$0	Northern Southeast Alaska

Project Description

Provide specific details on the handling effects and spawning distribution using a radio study, to provide better escapement estimates

Project Ref	Grantee	Project Name	State
AK45245	ADFG	Chinook Encounters-Mortality	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-JUN-05	Salmon Research, Monitoring, and Evaluation	$210,000	$0	Southern Southeast Alaska

Project Description

Estimate chinook encounters and associated incidental mortality in the winter and spring troll fishery and SE AK net fisheries

Project Ref	Grantee	Project Name	State
AK45246	ADFG	Chilkat Sockeye Tagging	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JAN-03-01-DEC-04	Salmon Research, Monitoring, and Evaluation	$283,250	$0	Northern Southeast Alaska

Project Description

Determine the location of mainstem spawners, accuracy of Chilkat Lake weir counts, and the rate of tagging mortality

Project Ref	Grantee	Project Name	State
AK45247	ADFG	Kake Lakes Project	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-JUN-04	Salmon Research, Monitoring, and Evaluation	$112,250	$0	Central Southeast Alaska

Project Description

Estimate sockeye salmon escapement, estimate fry population, describe age and composition of adult and fry, and evaluate lake productivity

Project Ref	Grantee	Project Name	State
AK45248	ADFG	Evaluate Mass Mark Technology	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JAN-03-01-JUN-06	Salmon Research, Monitoring, and Evaluation	$71,115	$0	Central Southeast Alaska

Project Description

Evaluate the feasibility of marking salmon with strontium and calcein and recovering those marks with an electron microscope

Project Ref	Grantee	Project Name	State
AK45249	ADFG	Chilkat Jet Boat Study	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-01-DEC-03	Salmon Research, Monitoring, and Evaluation	$41,200	$0	Northern Southeast Alaska

Project Description

Quantify flow and turbidity distributions near the river banks in the absence and presence of boating activity, and conduct lab study of response of hatchling fish to flow and turbidity

Project Ref	Grantee	Project Name	State
AK45250	ADFG	Southeast Salmon Local Knowledge	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-JUN-07	Salmon Research, Monitoring, and Evaluation	$98,917	$0	Central Southeast Alaska

Project Description

Convert subsistence salmon data into an easily-usable, computer-based format, identify information gaps, and conduct training sessions on retrieving and using the data

Project Ref	Grantee	Project Name	State
AK45251	ADFG	Klag Lake Subsistence Sockeye	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-MAY-05	Salmon Research, Monitoring, and Evaluation	$83,200	$0	Central Southeast Alaska

Project Description

Estimate sockeye salmon escapement and fry density, describe age, length, weight, and composition, and evaluate lake productivity

Project Ref	Grantee	Project Name	State
AK45254	ADFG	Chinook Sport and Net Fisheries	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-JUN-06	Salmon Research, Monitoring, and Evaluation	$330,000	$0	Central Southeast Alaska

Project Description

Improve estimates of stock composition of all chinook salmon fisheries in SE AK including sport and net, sublegal in the winter, and spring troll fisheries

Project Ref	Grantee	Project Name	State
AK45255	ADFG	ADEC Fish Safety Monitoring	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-03-01-JUN-05	Salmon Research, Monitoring, and Evaluation	$309,000	$0	Alaska

Project Description

Monitor salmon for heavy metals and other persistent bioaccumulative toxins

Project Ref	Grantee	Project Name	State
AK45256	ADFG	Jordan Creek Coho Monitoring	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-JUN-07	Salmon Research, Monitoring, and Evaluation	$174,954	$0	Northern Southeast Alaska

Project Description

Obtain precise estimates of total coho production, exploitation, and survival from a small stock in northern inside SE AK

Project Ref	Grantee	Project Name	State
AK45257	ADFG	Slippery Creek Coho	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-JUN-05	Salmon Research, Monitoring, and Evaluation	$204,000	$0	Central Southeast Alaska

Project Description

Obtain precise estimates of total coho production, exploitation, and survival from a small stock in central inside SE AK

Project Ref	Grantee	Project Name	State
AK45258	ADFG	Alternative Methods Esc Goals	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-JUN-06	Salmon Research, Monitoring, and Evaluation	$108,000	$0	Central Southeast Alaska

Project Description

Develop an escapement goal for the Unuk River chinook salmon stock using traditional spawner-recruit methods and compare to rearing and spawner capacity measurements and habitat-based approaches

Project Ref	Grantee	Project Name	State
AK45260	ADFG	Monitoring Coho Salmon Smolt Yield	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-01-JUN-06	Salmon Research, Monitoring, and Evaluation	$293,550	$0	Central Southeast Alaska

Project Description

Evaluate the use of smolt yield as a tool for measuring the relationship of habitat condition to coho salmon production

Project Ref	Grantee	Project Name	State
AK45263	ADFG	Predation on Wild and Hatchery Chum Fry	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-01-JUN-04	Salmon Research, Monitoring, and Evaluation	$111,755	$0	Central Southeast Alaska

Project Description

Examine the spatial and temporal incidence of piscine predation on chum salmon fry during their initial marine residency periods in nearshore and offshore habitats of Taku Inlet and adjacent waters, to allow comparisons of the relative abundance of the two stock types in the areas sampled.

Project Ref	Grantee	Project Name	State
AK45268	ADFG	Wild / Hatchery Interactions Taku and Stephens Passage	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-NOV-03-30-JUN-06	Salmon Research, Monitoring, and Evaluation	$336,000	$0	Central Southeast Alaska

Project Description

Explore the relationship between wild Taku Chum stocks and hatchery Chum production from DIPAC facilities in the Juneau area in an effort to determine whether there are effects on the wild stock.

Project Ref	Grantee	Project Name	State
AK2001 SF	ADFG	ADFG FY2001 In-kind contribution	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Salmon Research, Monitoring, and Evaluation	$0	$1,125,000	Alaska

Project Description

In-kind state contribution efforts that complement the PCSRF program

Project Ref	Grantee	Project Name	State
AK45109	ADFG	Stikine River Chinook Salmon CWT Project	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-01-JUN-04	Salmon Research, Monitoring, and Evaluation	$125,660	$0	Central Southeast Alaska

Project Description

Provide precise estimates of total chinook salmon production, exploitation, and survival

Project Ref	Grantee	Project Name	State
AK45113	ADFG	District 111 Sockeye Stock ID	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-01-JUN-06	Salmon Research, Monitoring, and Evaluation	$62,961	$0	Central Southeast Alaska

Project Description

Provide annual estimates of marine harvest of Taku River sockeye salmon stocks

Project Ref	Grantee	Project Name	State
AK45302	ADFG	Coded-Wire Technician for CWT Lab	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-01-JUN-06	Salmon Research, Monitoring, and Evaluation	$82,400	$0	Central Southeast Alaska

Project Description

Provide for timely processing of Coded-Wire Tags utilized in other SSSF projects

Project Ref	Grantee	Project Name	State
AK45303	ADFG	Spawning Abundance of Alsek River Sockeye	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-02-01-JUN-04	Salmon Research, Monitoring, and Evaluation	$63,860	$0	Gulf of Alaska

Project Description

Estimate spawning distribution of Alsek River sockeye salmon

Project Ref	Grantee	Project Name	State
AK45304	ADFG	Subsistence Salmon Harvest Assessment and Descriptive Analysis	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-02-01-MAR-05	Salmon Research, Monitoring, and Evaluation	$93,987	$0	Alaska

Project Description

An understanding of traditional and contemporary harvest patterns which will contribute to better salmon management practices

Project Ref	Grantee	Project Name	State
AK45305	ADFG	Klawock Subsistence Sockeye Salmon Project	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-APR-02-01-JUN-04	Salmon Research, Monitoring, and Evaluation	$100,000	$0	Southern Southeast Alaska

Project Description

Identify mechanisms that may positively or adversely affect the production of sockeye and coho salmon in Klawock Lake

Project Ref	Grantee	Project Name	State
AK45306	ADFG	Tuya Lake Access Study	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-01-JUL-03	Salmon Research, Monitoring, and Evaluation	$147,326	$0	Central Southeast Alaska

Project Description

Assess the ability of sockeye salmon to ascend the Tuya River above the natural migration barriers

Project Ref	Grantee	Project Name	State
AK45307	ADFG	Tuya Fish Passage and Harvest Structure	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAY-02-01-JUN-04	Salmon Research, Monitoring, and Evaluation	$92,064	$0	Central Southeast Alaska

Project Description

Construction of a fish ladder and flow diversion structure at Tuya River that provides a means to harvest enhanced adult sockeye salmon

Project Ref	Grantee	Project Name	State
AK45309	ADFG	Chilkat River Chum Salmon Escapement	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-01-JUN-04	Salmon Research, Monitoring, and Evaluation	$115,523	$0	Northern Southeast Alaska

Project Description

This project will allow the Department to estimate escapement of chum salmon to the Chilkat River

Project Ref	Grantee	Project Name	State
AK45314	ADFG	Chilkat River Coho Salmon Escapement M-R	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-01-JUN-04	Salmon Research, Monitoring, and Evaluation	$93,652	$0	Northern Southeast Alaska

Project Description

Provide annual estimates of coho salmon escapement by age and sex to refine escapement goals and forecast runs

Project Ref	Grantee	Project Name	State
AK45315	ADFG	Chilkat River Coho Salmon Coded-Wire Tagging	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-01-JUN-04	Salmon Research, Monitoring, and Evaluation	$123,600	$0	Northern Southeast Alaska

Project Description

Coded-wire tagging of coho salmon smolt will provide the baseline information to produce sustainable long-term fishing opportunities

Project Ref	Grantee	Project Name	State
AK45317	ADFG	Alsek River Chinook Salmon Escapement	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-01-JUN-06	Salmon Research, Monitoring, and Evaluation	$112,270	$0	Gulf of Alaska

Project Description

Provide annual estimates of chinook salmon escapement by age and sex to refine escapement goals and forecast runs

Project Ref	Grantee	Project Name	State
AK45318	ADFG	Warm Chuck Coho	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-01-JUN-06	Salmon Research, Monitoring, and Evaluation	$133,900	$0	Southern Southeast Alaska

Project Description

Precise estimates of total coho salmon production, exploitation, and survival will be obtained

Project Ref	Grantee	Project Name	State
AK45319	ADFG	Chickamin River Chinook and Coho Salmon CWT	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-01-JUN-06	Salmon Research, Monitoring, and Evaluation	$172,010	$0	Southern Southeast Alaska

Project Description

Develop precise estimates of salmon production, exploitation, and survival

Project Ref	Grantee	Project Name	State
AK45329	ADFG	UAF Wild-Hatchery Interaction	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-DEC-02-01-DEC-04	Salmon Research, Monitoring, and Evaluation	$294,135	$0	Central Southeast Alaska

Project Description

Provide information on the interactions of hatchery and wild salmon in SE AK

Project Ref	Grantee	Project Name	State
AK45331	ADFG	Stikine River Sockeye M-R	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-04-01-JUN-06	Salmon Research, Monitoring, and Evaluation	$108,150	$0	Central Southeast Alaska

Project Description

Provide in-season run size estimates for sockeye salmon in the Stikine River

Project Ref	Grantee	Project Name	State
AK45334	ADFG	Northern Boundary Sockeye Stock ID	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-03-01-JUN-06	Salmon Research, Monitoring, and Evaluation	$315,180	$0	Southern Southeast Alaska

Project Description

Estimate magnitude of boundary area sockeye runs to improve accuracy of and document compliance with District 101 gillnet and 104 purse seine fishery allocations

Project Ref	Grantee	Project Name	State
AK45335	ADFG	Genetic Stock ID Chinook	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-03-01-JUN-06	Salmon Research, Monitoring, and Evaluation	$246,170	$0	Central Southeast Alaska

Project Description

Provide improved estimates of stock composition of chinook salmon troll fisheries in SE AK

Project Ref	Grantee	Project Name	State
AK 2000 SF	ADFG	ADFG FY2000 In-kind contribution	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Salmon Research, Monitoring, and Evaluation	$0	$3,500,000	Alaska

Project Description

In-kind state contribution efforts that complement the PCSRF program

Project Ref	Grantee	Project Name	State
AK45012	ADFG	Chinook Model	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-NOV-00-01-JUN-05	Salmon Research, Monitoring, and Evaluation	$683,275	$0	Southern Southeast Alaska

Project Description

Improve the accuracy of the PSC Coastwide Chinook Model annual estimates

Project Ref	Grantee	Project Name	State
AK45014	ADFG	Alsek River Chinook Escapement	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-01-JUN-04	Salmon Research, Monitoring, and Evaluation	$164,800	$0	Gulf of Alaska

Project Description

Estimate escapement of chinook salmon on the Alsek river using a mark-recapture experiment

Project Ref	Grantee	Project Name	State
AK45021	ADFG	Nakwasina Coho	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-01-JUN-05	Salmon Research, Monitoring, and Evaluation	$103,000	$0	Central Southeast Alaska

Project Description

Develop estimates of coho salmon escapement and assess habitat recovery from logging

Project Ref	Grantee	Project Name	State
AK45022	ADFG	Chickamin Coho	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-01-JUN-04	Salmon Research, Monitoring, and Evaluation	$154,500	$0	Southern Southeast Alaska

Project Description

Estimate magnitude of coho salmon production and integrate with habitat data

Project Ref	Grantee	Project Name	State
AK45023	ADFG	Taku Coho	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-01-JUN-05	Salmon Research, Monitoring, and Evaluation	$139,050	$0	Northern Southeast Alaska

Project Description

Improve the accuracy of escapement and abundance estimates of Taku River Coho

Project Ref	Grantee	Project Name	State
AK45024	ADFG	Unuk Coho	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-31-JUL-05	Salmon Research, Monitoring, and Evaluation	$227,630	$0	Southern Southeast Alaska

Project Description

Develop precise estimates of coho salmon production and integrate with habitat data

Project Ref	Grantee	Project Name	State
AK45025	ADFG	Warm Chuck Coho	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-01-JUN-03	Salmon Research, Monitoring, and Evaluation	$146,272	$0	Southern Southeast Alaska

Project Description

Sample coho salmon to estimate age, sex, and length and integrate with habitat data

Project Ref	Grantee	Project Name	State
AK45028	ADFG	Northern Boundary Area Sockeye, Pre and In-Season Forecasting	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-01-JUN-04	Salmon Research, Monitoring, and Evaluation	$82,400	$0	Southern Southeast Alaska

Project Description

Forecast sockeye salmon returns in the Northern Boundary area to help achieve the goals of the PST

Project Ref	Grantee	Project Name	State
AK45034	ADFG	Chilkat River Boat Effect Study	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-02-01-DEC-02	Salmon Research, Monitoring, and Evaluation	$20,600	$0	Northern Southeast Alaska

Project Description

Determine the effect of boat usage on the salmon habitat in the Chilkat River

Project Ref	Grantee	Project Name	State
AK45041	ADFG	Chilkoot Lake Sockeye	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-01-JUN-05	Salmon Research, Monitoring, and Evaluation	$175,100	$0	Northern Southeast Alaska

Project Description

Determine productivity and carrying capacity for Chilkoot Lake Sockeye salmon

Project Ref	Grantee	Project Name	State
AK45042	ADFG	Stikine Sockeye	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-01-JUN-04	Salmon Research, Monitoring, and Evaluation	$103,000	$0	Central Southeast Alaska

Project Description

Estimate the abundance of sockeye salmon in the lower Stikine River

Project Ref	Grantee	Project Name	State
AK45043	ADFG	Alsek Sockeye	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-01-JUN-03	Salmon Research, Monitoring, and Evaluation	$61,800	$0	Gulf of Alaska

Project Description

Improve estimates of sockeye salmon escapement in the Alsek River

Project Ref	Grantee	Project Name	State
AK45044	ADFG	SE AK Chinook Genetics	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-01-DEC-03	Salmon Research, Monitoring, and Evaluation	$267,800	$0	Central Southeast Alaska

Project Description

Generate baseline information for implementing a genetic stock identification program for SE AK Chinook salmon

Project Ref	Grantee	Project Name	State
AK45045	ADFG	Coho Salmon Aging Validation	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-01-JUN-05	Salmon Research, Monitoring, and Evaluation	$51,500	$0	Central Southeast Alaska

Project Description

Develop aging criteria that can be used to accurately determine freshwater age

Project Ref	Grantee	Project Name	State
AK45046	ADFG	Tatsamenie Sockeye	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-01-JUN-04	Salmon Research, Monitoring, and Evaluation	$144,200	$0	Northern Southeast Alaska

Project Description

Determine and study factors influencing the survival of wild and enhanced sockeye fry in Tatsamenie Lake

Project Ref	Grantee	Project Name	State
AK45048	ADFG	DEC Fish Tissue Sampling	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-01-JUN-05	Salmon Research, Monitoring, and Evaluation	$247,863	$0	Alaska

Project Description

Collect and test fish samples for the presence of pollutants

Project Ref	Grantee	Project Name	State
AK45052	ADFG	Northern Boundary Sockeye ID	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-01-JUN-04	Salmon Research, Monitoring, and Evaluation	$370,800	$0	Southern Southeast Alaska

Project Description

Improve the understanding of migratory timing, routes, and mixing rates of Northern Boundary Area sockeye salmon

Project Ref	Grantee	Project Name	State
AK45058	ADFG	Deschutes River Fall Chinook Feasibility	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-02-01-AUG-02	Salmon Research, Monitoring, and Evaluation	$51,192	$0	Deschutes

Project Description

Research to develop methods for capturing juvenile fall chinook salmon in the Deschutes River, part of the feasibility study for a CWT program

Project Ref	Grantee	Project Name	State
AK45070	ADFG	Chinook Model - Evaluation	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-SEP-02-01-JUN-05	Salmon Research, Monitoring, and Evaluation	$207,545	$0	Southern Southeast Alaska

Project Description

Provide Sport Fish Division support to the evaluation and improvement of the chinook model

Project Ref	Grantee	Project Name	State
AK45071	ADFG	Chinook Model - CTC Co-Chair	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-03-01-JUN-05	Salmon Research, Monitoring, and Evaluation	$109,180	$0	Southern Southeast Alaska

Project Description

Participation in and leadership from this project will ensure sustained chinook salmon stocks and fisheries

Project Ref	Grantee	Project Name	State
DEQ001b	OWEB OR Department of Environmental Quality	Willamette TMDLs: Outreach and Education	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-01-OCT-04	Public Outreach and Education	$25,000	$3,000	Willamette

Project Description

Engage stakeholders in the development of the WIllamette TMDLs

Project Ref	Grantee	Project Name	State
ODA001	OWEB OR Department of Agriculture	Local Capacity Support-Support local capacity to implement the Oregon Pl	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Public Outreach and Education	$3,100,000	$800,000	Oregon

Project Description

Funds are being distributed to 45 Soil and Water Conservation Districts who are the agencies local entities for conducting outreach and providing technical assistance to landowners interested in doing projects. To date this project has helped implement 2510 projects to improve water quality. The types of projects includee: CREP implementation, water developments, brush management, direct seeding, cover crops to control soil erosion, fencing to improve grazing management, riparian fencing, filter strips to control erosion, stream habitat improvements and management, fish passage, irrigation water management, weed management, grazing management, and nutrient management.

Project Ref	Grantee	Project Name	State
OWEB 201-115	OWEB	Applegator Newspaper	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-SEP-01-18-AUG-03	Public Outreach and Education	$49,337	$0	Southern Oregon Coastal

Project Description

The Applegate River Watershed Council (ARWC) proposes to continue to publish the Applegator newspaper for the next two years. The Applegator has served as an indispensable tool for promoting awareness of and participation in watershed restoration and salmon recovery. With extensive participation by the community to publish the newspaper, it has become a resource by and for the Applegate community. The Applegator has become a cornerstone of outreach efforts and is a true Oregon Plan success story.

Project Ref	Grantee	Project Name	State
OWEB 201-150	OWEB	Watershed Stewardship Education Program (WSEP)	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-JUL-01-03-SEP-02	Public Outreach and Education	$55,000	$0	Oregon

Project Description

The Watershed Stewardship Education Program will be delivered in 14 locations around the state. There will be a series of eight workshops and a Master Watershed Steward program offered at each location. Each workshop is six to eight hours (2-3 hours inside, 4-5 hours field). Master recognition is given to those people completing all eight workshops and completing a voluntary watershed planning, enhancement, and/or monitoring project (30-40 hours).

Project Ref	Grantee	Project Name	State
OWEB 201-151	OWEB	"Shed-Ed" Collaborative Watershed Education Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	27-AUG-01-24-OCT-02	Public Outreach and Education	$70,000	$0	Willamette

Project Description

Provide opportunities for students to expand their knowledge of natural resources principles and apply that knowledge to real-world problem solving, research and management applications. This will be accomplished by linking education with technical experts in the field. This collaboration between educators and technical experts will plan for hands-on opportunities in the field and connect classroom experiences to real-world applications and career opportunities and meet CIM & CAM requirements.

Project Ref	Grantee	Project Name	State
OWEB 201-156	OWEB	Lost Creek Education, Outreach and Monitoring	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-AUG-01-04-SEP-02	Public Outreach and Education	$49,765	$0	Willamette

Project Description

Lost Creek Watershed Group proposes hiring a FTE Watershed Educator to implement our objectives. 50% of his/her time will be spent educating young people throughout the Lowell and Pleasant Hill school districts, using The Stream Scene curriculum. Learning strategies include lectures, field trips, hands-on activities. Approximately 30% of the Educator's time will be spent on public outreach. The remaining 20% will be spent coordinating volunteer water quality monitoring and volunteer stream surveys.

Project Ref	Grantee	Project Name	State
OWEB 201-262	OWEB	Noxious Weeds Public Affairs Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	16-JUL-01-28-FEB-04	Public Outreach and Education	$88,095	$0	Oregon

Project Description

This is a continuation of the project funded by OWEB in 1999 for an aggressive public affairs program to educate citizens, local leaders, and others about the devastating effects of noxious weeds. The intent is to raise the priority level and responsibility for noxious weed prevention and control. This will result in better control activity from all citizens, and communities.

Project Ref	Grantee	Project Name	State
OWEB 201-269	OWEB	Siuslaw Middle School Stream Team	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	25-FEB-02-30-JUN-03	Public Outreach and Education	$10,925	$0	Northern Oregon Coastal

Project Description

This proposal would enable the entire seventh grade student body (150 students) of the Siuslaw Middle School located in Florence to participate in a multitude of field and classroom activities that will increase their understanding of watershed resources and issues.

Project Ref	Grantee	Project Name	State
OWEB 201-271	OWEB	Stream Demonstration Model	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	09-NOV-01-31-MAR-04	Public Outreach and Education	$5,689	$0	Northern Oregon Coastal

Project Description

This is an on-going project that provides a stream demonstration model and model handler/presenter to schools, fairs and civic groups, primarily in the Mid-Coast region.

Project Ref	Grantee	Project Name	State
OWEB 201-301	OWEB	Water Conservation Ed for Rogue Valley Irrigation Dist	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Public Outreach and Education	$8,760	$0	Southern Oregon Coastal

Project Description

The applicant will work with irrigation districts to conduct a water conservation and fish protection education program. The program will identify appropriate participants, conduct neighborhood workshops, host an irrigation fair/trade show, and produce an informational pamphlet.

Project Ref	Grantee	Project Name	State
OWEB 201-302	OWEB	Watershed Education and Management Planning Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	18-DEC-01-17-OCT-03	Public Outreach and Education	$51,964	$0	Southern Oregon Coastal

Project Description

The program will educate high school students and teachers in agriculture, biology, earth science, water chemistry and other subjects related to watershed health and water quality. The audience will learn through a series of presentations as well as by completing a management plan for a piece of rural property in their area.

Project Ref	Grantee	Project Name	State
OWEB 201-317	OWEB	Making Ripples: Community Building for Water Quality	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	18-OCT-01-30-OCT-03	Public Outreach and Education	$10,000	$0	Willamette

Project Description

The proposal would partially fund an education coordinator to implement the "Making Ripples: Community Building for Water Quality" program. The project targets local urban and suburban residents and K-12 students. The program goals are to increase awareness and community involvement in watershed issues.

Project Ref	Grantee	Project Name	State
OWEB 201-337	OWEB	Forest Health Outreach Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-OCT-01-16-JUN-03	Public Outreach and Education	$9,693	$0	Klamath

Project Description

This program will provide information and resources to private woodland owners, raise awareness of watershed and forest health issues, and aid in implementing good forest management practices. This will be accomplished through distribution of copies of the Forest Health Management Guide, developed by Klamath-Lake Forest Health Partnership, and a series of workshops and tours.

Project Ref	Grantee	Project Name	State
23 370 32 2000	Round Valley	Warden Training	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-AUG-00-01-MAY-01	Public Outreach and Education	$12,340	$0	Northern California Coastal

Project Description

Send tribal member to DFG's Game Warden Academy.

Project Ref	Grantee	Project Name	State
OWRD002c	OWEB OR Water Resources Department	OWRD Education and Outreach	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-SEP-03	Public Outreach and Education	$352,109	$0	Oregon

Project Description

Provide technical assistance and outreach to support streamflow restoration efforts. Project will target ESUs that occur in Oregon coastal watersheds and Columbia River tributaries in Oregon.

Project Ref	Grantee	Project Name	State
ODF005	OWEB OR Department of Forestry	Oregon Plan Education and Outreach	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Public Outreach and Education	$71,780	$49,978	Oregon

Project Description

This project will fund a public information specialist to serve as an agency technical expert on preparation of educational materials and training activities specifically intended to improve the public's understanding of their impacts on salmon sustainability and how ODF programs assist in the conservation, restoration and long term sustainability of salmon runs and their habitats.

Project Ref	Grantee	Project Name	State
ODFW004c	OWEB OR Department of Fish and Wildlife	Habitat and Fish Management Biologists	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Public Outreach and Education	$12,667	$0	Southern Oregon Coastal

Project Description

Assistant District Biologist (2.92 FTE): Work directly with District Fish Biologists and are associated with ongoing District fieldwork such as landowner assistance, habitat restoration, creel surveys, and other fish management activities that support the Oregon Plan. Serve as lead worker to field crews, and often share responsibility with the District Fish Biologist to represent the Department at public meetings. They work with the District Fish Biologist in development of annual angling regulations that protect indigenous stocks. Habitat Biologist (3.0 FTE): Provide technical assistance/consultation for State/Federal agencies, local governments, watershed councils, and landowners on protection, enhancement and restoration of fish and wildlife habitats. Assist with critical elements of the Oregon Plan, which are to allow sustainable development and also minimize, mitigate, or eliminate negative impacts to fish and wildlife habitat.

Project Ref	Grantee	Project Name	State
ODFW004h	OWEB OR Department of Fish and Wildlife	Habitat and Fish Management Biologists	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Public Outreach and Education	$14,224	$0	Northern Oregon Coastal

Project Description

Assistant District Biologist (2.92 FTE): Work directly with District Fish Biologists and are associated with ongoing District fieldwork such as landowner assistance, habitat restoration, creel surveys, and other fish management activities that support the Oregon Plan. Serve as lead worker to field crews, and often share responsibility with the District Fish Biologist to represent the Department at public meetings. They work with the District Fish Biologist in development of annual angling regulations that protect indigenous stocks. Habitat Biologist (3.0 FTE): Provide technical assistance/consultation for State/Federal agencies, local governments, watershed councils, and landowners on protection, enhancement and restoration of fish and wildlife habitats. Assist with critical elements of the Oregon Plan, which are to allow sustainable development and also minimize, mitigate, or eliminate negative impacts to fish and wildlife habitat.

Project Ref	Grantee	Project Name	State
ODFW001c	OWEB OR Department of Fish and Wildlife	Aquatic Inventories Program	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Public Outreach and Education	$30,410	$0	Oregon

Project Description

The Aquatic Inventories Program is comprised of 5 projects: (1) monitor aquatic and riparian habitat in coastal basins at randomly selected sites as part of the Oregon Plan for Salmon and Watersheds, (2) provide quantitative assessments of aquatic and riparian habitat in streams and rivers throughout the state of Oregon, (3) monitor the response of habitat restoration projects, (4) conduct selected studies on salmonid and non-salmonid populations, and (4) conduct studies on salmonid use and performance in estuaries. This project funds 2.0 FTE to direct project implementation.

Project Ref	Grantee	Project Name	State
ODFW004m	OWEB OR Department of Fish and Wildlife	Habitat and Fish Management Biologists	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Public Outreach and Education	$11,156	$0	Willamette

Project Description

Assistant District Biologist (2.92 FTE): Work directly with District Fish Biologists and are associated with ongoing District fieldwork such as landowner assistance, habitat restoration, creel surveys, and other fish management activities that support the Oregon Plan. Serve as lead worker to field crews, and often share responsibility with the District Fish Biologist to represent the Department at public meetings. They work with the District Fish Biologist in development of annual angling regulations that protect indigenous stocks. Habitat Biologist (3.0 FTE): Provide technical assistance/consultation for State/Federal agencies, local governments, watershed councils, and landowners on protection, enhancement and restoration of fish and wildlife habitats. Assist with critical elements of the Oregon Plan, which are to allow sustainable development and also minimize, mitigate, or eliminate negative impacts to fish and wildlife habitat.

Project Ref	Grantee	Project Name	State
ODFW005	OWEB OR Department of Fish and Wildlife	I and E Water Education	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-03-30-JUN-05	Public Outreach and Education	$249,351	$0	Oregon

Project Description

Communicate with Oregon residents and visitors through a range of avenues including the print and broadcast media, public meetings, special events, and the ODFW Web site to inform and educate them on a variety of issues surrounding salmon and steelhead and their habitats. Possible actions include distributing news releases about habitat and restoration projects, hosting public meetings to gather input on angling regulations and proposed changes, writing and posting information to ODFW's Web site, sending information to individuals who sign up to receive electronic mailing lists, and filling media requests for information. Participate as active members of the Oregon Plan Outreach Team by attending meetings and completing tasks listed in the communication plan. Communication support also will be provided to the Diamond Lake restoration team to educate and inform the public about restoration activities at the lake and potential downstream affects to salmonids and water quality.

Project Ref	Grantee	Project Name	State
OWEB 204-441	OWEB	MidCoast WSC Education Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	23-JUL-04-30-OCT-05	Public Outreach and Education	$28,030	$0	Northern Oregon Coastal

Project Description

This application proposes to continue a five-year watershed education program conducted by the MidCoast Watershed Council, primarily in the Lincoln County School District. A rich variety of watershed related topics and disciplines are presented to the students and their parents through both in-classroom and field activities. OWEB funds are requested for wages for a program coordinator, school bus field trip expenses, and assorted equipment and supplies.

Project Ref	Grantee	Project Name	State
OWEB 204-442	OWEB	Mapleton Schools' Natural Resource Education Program 3	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	28-JUN-04-30-SEP-05	Public Outreach and Education	$11,605	$0	Northern Oregon Coastal

Project Description

This project is a continuation of a successful four-year effort to integrate a natural resource education program into the Mapleton Schools' curriculum. A variety of methodologies are utilized both in-class and out in the field, including a student run plant nursery, to teach watershed related subjects. OWEB funds are requested for the wages of the education specialist, field trip expenses and miscellaneous materials.

Project Ref	Grantee	Project Name	State
OWEB 204-443	OWEB	Siuslaw Middle School Stream Team	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	07-JUL-04-30-AUG-05	Public Outreach and Education	$8,999	$0	Northern Oregon Coastal

Project Description

This proposal would continue an extremely successful (seven year) program in the Siuslaw Middle School. It would serve 120 seventh grade students, providing lessons on issues related to the Oregon Plan and long-term stewardship of the Siuslaw River watershed. In addition to classroom activities, the students would participate in hands-on field research opportunities with USFS, ODFW, STEP, Siuslaw Watershed Council and the local SWCD. OWEB funds would be used for substitute teacher compensation, school bus use for field trips, equipment, and materials.

Project Ref	Grantee	Project Name	State
OWEB 204-444	OWEB	Bear Cr WS Education & Restoration Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	08-SEP-04-31-DEC-05	Public Outreach and Education	$19,450	$0	Southern Oregon Coastal

Project Description

The project is designed to increase opportunities for students and educators in Medford, Phoenix-Talent, Central Point and Ashland school districts. It will reach up to 15 schools in the Bear Creek watershed allowing them to closely study their watershed and participate in seven on the ground restoration projects.

Project Ref	Grantee	Project Name	State
OWEB 204-445	OWEB	Upper Rogue WS Association Education/Outreach Newsletter	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	02-JUL-04-31-DEC-06	Public Outreach and Education	$10,359	$0	Southern Oregon Coastal

Project Description

The project proposes to continue the publishing of the “UR Watershed News.” This is a monthly educational and informative watershed newsletter that is published in a regional newspaper. Articles inform readers of events, meetings, activities, projects, volunteer opportunities, and land use and stewardship practices.

Project Ref	Grantee	Project Name	State
OWEB 204-446	OWEB	Watershed Education & Planning Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	15-JUL-04-30-JUN-05	Public Outreach and Education	$48,310	$0	Southern Oregon Coastal

Project Description

The project proposes to continue the success of OWEB project # 201-302. It targets high school students and their educators in a mix of classroom educational components, and by practical on-the-ground experience. Restoration proposals are generated through this process. There are 143 students scheduled to participate under the current program with an additional 120 over the next year.

Project Ref	Grantee	Project Name	State
OWEB 204-447	OWEB	Natural Resources/WS Education Through Science Inquiry	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Public Outreach and Education	$5,583	$0	Southern Oregon Coastal

Project Description

The project proposes to maintain and expand the outreach program for natural resource education for the 2004/2005 academic year developed and implemented by Pacifica. The project would provide a mobile classroom, 70 on-site delivery days to local schools. The program encompasses information and instruction in watershed-based science inquiry learning. The program focuses on K-8 and is delivered through a mobile classroom.

Project Ref	Grantee	Project Name	State
OWEB 204-450	OWEB	Rogue Coast Outreach & Ed	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	09-SEP-04-31-DEC-05	Public Outreach and Education	$93,300	$0	Southern Oregon Coastal

Project Description

The project proposes to implement a comprehensive education and outreach program featuring seven different components designed to educate people (especially youth) on their watershed. The project will encompass one fourth of the Oregon Coast and includes ten watersheds.

Project Ref	Grantee	Project Name	State
OWEB 204-454	OWEB	Slough School/Columbia Slough WS K-12 Ed Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	13-JUL-04-30-JUN-06	Public Outreach and Education	$123,024	$0	Willamette

Project Description

This resubmitted application's goal is to engage K-12 students throughout the Columbia Slough Watershed in environmental education and service-learning projects in an effort to raise awareness of the watershed while empowering youth as active, engaged citizens. Slough School is listed as a high priority program in the Columbia Slough Watershed Action Plan. OWEB funds would be used for personnel (Education Director), insurance, travel, supplies/materials, production costs, and administration.

Project Ref	Grantee	Project Name	State
OWEB 204-455	OWEB	R2R Watershed Education Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	14-JUL-04-30-JUN-06	Public Outreach and Education	$10,000	$0	Willamette

Project Description

This resubmitted application proposes watershed education projects that are needed to educate Sherwood residents and others about the importance of watershed health in their community. The project includes hands-on demonstrations for homeowners on how to conserve and restore watershed function, workshops for homeowners and a person to help coordinate the activities. OWEB funding would be used for personnel (Project Coordinator-AmeriCorps), contracted services, equipment, production costs, and administration.

Project Ref	Grantee	Project Name	State
OWEB 204-456	OWEB	Team Up "West Side Green Team"	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	23-JUN-04-30-JUN-06	Public Outreach and Education	$23,802	$0	Willamette

Project Description

This resubmitted application proposes expansion of training to educate students, build a framework for volunteer involvement and increase community participation. Through the Green Team, students receive training, mentorship and leadership opportunities in exchange for working on restoration and enhancement sites. The program is aligned to state benchmarks and standards. OWEB funds would be used for personnel, contracted services, supplies/materials (instructional materials, site re-vegetation), production costs (outreach materials), equipment, and administration.

Project Ref	Grantee	Project Name	State
OWEB 204-457	OWEB	West Eugene Wetlands Education Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	23-JUL-04-30-JUN-06	Public Outreach and Education	$25,895	$0	Willamette

Project Description

This resubmitted application proposes providing information, hands-on involvement in restoration activities, and on-site tours by staff and area experts, with a focus on the development of new, life-long environmental stewards. The education/outreach program is a collaborative effort among many wetland supporters who desire to protect/enhance natural resources through youth and community education and awareness. OWEB funds would be used for personnel (education specialist), contracted services, supplies/materials, and production costs.

Project Ref	Grantee	Project Name	State
OWEB 204-458	OWEB	Kokanee Karnival Youth Education Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	17-AUG-04-30-JUN-06	Public Outreach and Education	$14,850	$0	Deschutes

Project Description

This eight-year-old program provides field trips to fish hatcheries and to observe naturally spawning kokanee. It also provides classroom equipment for egg incubation, a streamside angling clinic and supervision of a classroom community stewardship project. The program reaches 30 classrooms in central Oregon involving 1,000 students, teachers and parents.

Project Ref	Grantee	Project Name	State
OWEB 204-459	OWEB	Watershed Education Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	12-AUG-04-30-JUN-06	Public Outreach and Education	$60,196	$0	Klamath

Project Description

This project will provide and coordinate watershed-based education and outreach to landowners, educators, youth leaders and the community in order to promote the health and long-term stewardship of the Klamath watershed.

Project Ref	Grantee	Project Name	State
OWEB 204-460	OWEB	STELLAR WS Education	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	23-JUN-04-31-DEC-05	Public Outreach and Education	$16,950	$0	Middle Columbia

Project Description

This project has three components: 1) Increase teachers' and students' knowledge of the local watershed while strengthening students' inquiry skills; 2) Stream restoration at the Ferndale Elementary School in Milton-Freewater; and 3) Communicate watershed processes and concepts to Walla Walla watershed residents. OWEB funds are requested for personnel (71%), travel (4%), materials/computer (16%), and administration (9%). Cost-share partners include Milton-Freewater School District and WWBWSC.

Project Ref	Grantee	Project Name	State
OWEB 204-461	OWEB	Value & Success of Juniper Management	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	16-JUL-04-31-DEC-05	Public Outreach and Education	$30,130	$0	Oregon Closed Basins

Project Description

This project will produce and distribute two educational videos showcasing the value and success of juniper management. A 15-minute summary video is designed to answer the question "Why are you cutting down all those trees"? It will give the viewer a clear understanding of the value to the watershed. The second video will be 45 minutes containing the science & data supporting juniper control. OWEB funds are requested for travel (10%) and production costs (90%). Cost-share partners include BLM, EOARC, Harney County Court, HCWSC and landowners.

Project Ref	Grantee	Project Name	State
OWEB 204-462	OWEB	Student & Community Riparian Service Learning Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	28-JUL-04-30-JUN-06	Public Outreach and Education	$21,753	$0	Willamette

Project Description

The Student and Community Service Learning Project will engage 25 classes of fourth and fifth grade students in the Lower Columbia River Estuary Partnership study area. The project includes classroom activities and lessons on the health and functions of riparian zones. The project also includes field trips and service learning activities to enhance natural conditions at a riparian site located near each school. Match funding is provided by the applicant and the Portland and Tualatin Parks and Recreation agencies.

Project Ref	Grantee	Project Name	State
OWEB 204-463	OWEB	SWCD Conservation Easement Education	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	26-JUL-04-30-JUN-06	Public Outreach and Education	$53,468	$0	Willamette

Project Description

This project will provide training for soil and water conservation districts on the basics of setting up, securing and managing conservation easements to protect working agricultural lands. Basic training will be provided to all 45 SWCDs and more intensive training provided for at least 24 SWCDs. Partners include ODA and the American Farmland Trust.

Project Ref	Grantee	Project Name	State
OWEB 204-464	OWEB	Watershed Weeks: We All Live in a Watershed!	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Public Outreach and Education	$87,450	$0	Willamette

Project Description

Oregon Watershed Weeks works to raise statewide awareness about watersheds, increase public involvement in local education and stewardship efforts, and promote and increase involvement in education and outreach activities by watershed councils. This project would support program coordination and development and distribution of an event guide for 2004 and 2005. The program has many partners and targets the entire state.

Project Ref	Grantee	Project Name	State
OWEB 204-465	OWEB	W.S.E.P. (What's Up) in Your Area?	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	23-AUG-04-30-JUN-06	Public Outreach and Education	$37,510	$0	Willamette

Project Description

Four new educational trainings are proposed that build upon OSU's Watershed Stewardship Education Program (WSEP). "Watershed Council Bootcamp" will target watershed council capacity. "Develop Your Own Watershed Education Strategy" assists local groups with developing an education strategy. "Successful Riparian Tree Planting" emphasizes proper planning and maintenance of riparian projects. "WSEP Goes Tribal" is an educational program for teachers and students for the Umatilla Tribe.

Project Ref	Grantee	Project Name	State
OWEB 204-466	OWEB	Make A Ripple, Make A Wave	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	25-AUG-06-30-JUN-06	Public Outreach and Education	$14,360	$0	Willamette

Project Description

Make A Ripple, Make a Wave is a music, visual, dialogue and participation assembly program that reaches elementary students and teachers. The project would deliver 42, 40 minute programs to elementary schools in urban and rural areas including The Dalles, North Coast, Willamette Valley, and central Oregon. Additional funding comes from CH2MHill.

Project Ref	Grantee	Project Name	State
OWEB 204-467	OWEB	Building WSC Capacity Statewide	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-OCT-04-30-JUN-06	Public Outreach and Education	$178,160	$0	Middle Columbia

Project Description

The application proposes to build watershed council capacity through training and sharing successes and lessons learned; to improve and create key relationships between councils and other entities by creating a functional council network; and to build public awareness by developing a statewide accomplishment atlas. The project involves regional representatives of watershed councils around the state.

Project Ref	Grantee	Project Name	State
OWEB 204-909	OWEB	LCREP 2003-05 program support	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-JUN-05	Public Outreach and Education	$0	$200,000	Oregon

Project Description

LCREP 2003-05 program support

Project Ref	Grantee	Project Name	State
OWEB 204-058	OWEB	Siuslaw Middle School Stream Team	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Public Outreach and Education	$5,500	$0	Northern Oregon Coastal

Project Description

A variety of teaching methodologies, including classroom learning, hands-on field research and actual restoration activities would be employed in this education project to increase the knowledge of watershed science and ecology for 150 seventh-grade students in the Siuslaw Middle School in Florence. The majority of OWEB funds would be used for equipment and travel (school bus rental, primarily), with lesser amounts budgeted for supplies and production costs.

Project Ref	Grantee	Project Name	State
OWEB 204-080	OWEB	Little Butte News	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Public Outreach and Education	$5,891	$0	Southern Oregon Coastal

Project Description

This project proposes to increase the council's ability to provide outreach information to stakeholders in the watershed on project activities. The vehicle for providing the information would be an insert in the local newspaper on a monthly basis. Funds would provide for 6 half-page issues and 18 of full-page issues. This printing reached about 17,000 persons issue.

Project Ref	Grantee	Project Name	State
OWEB 204-111	OWEB	Spawning WS Education	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	08-OCT-03-30-JUN-04	Public Outreach and Education	$3,795	$0	Willamette

Project Description

This program is a landowner, student and teacher education program within the McKenzie watershed. Multiple strategies of landowner and teacher workshops, community fairs, and classroom presentations will help promote community understanding and stewardship. OWEB funds would be used primarily for personnel and production costs.

Project Ref	Grantee	Project Name	State
OWEB 204-112	OWEB	Upper Willamette WSC Media Outreach	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	08-OCT-03-30-JUN-04	Public Outreach and Education	$12,584	$0	Willamette

Project Description

A coalition of Upper Willamette Basin Councils (McKenzie, Middle and Coast Fork Willamette) has formed to develop and deliver a model public outreach campaign designed to elevate the councils' profiles and media contacts. OWEB funds would be used primarily for contracted services and supplies.

Project Ref	Grantee	Project Name	State
OWEB 204-127	OWEB	Deschutes Basin WS Education	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	09-OCT-03-30-JUN-04	Public Outreach and Education	$30,000	$0	Deschutes

Project Description

Wolftree would hire a ¾ time person to continue working with Jefferson and Deschutes County schools in a watershed education program began two years ago. This project will allow them to lead 50 field trips, involve 1,000 community members and continue working in the classrooms with teachers and students from grades 5 through high school. OWEB funds would be used to support a .75FTE with benefits for the 2003-2004 school year.

Project Ref	Grantee	Project Name	State
OWEB 204-150	OWEB	Grande Ronde Basin Natural Resource Education & Outreach	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	06-OCT-03-31-DEC-04	Public Outreach and Education	$12,900	$0	Lower Snake

Project Description

The project will support natural resource education and outreach activities in Union & Wallowa counties and work with local partners. Project products include educational outreach survey, 5-year outreach plan, 4 issues of Ripples, month outreach calendar, natural resources materials directory, website, field trips and training. OWEB funds are requested mileage/training (6%), education coordinator (65%), newsletter printing (20%), materials/survey (6%). Other cost-share partners include USFS, BPA, Wallowa and Union SWCD.

Project Ref	Grantee	Project Name	State
OWEB 204-173	OWEB	Watershed Stewardship (WSEP)	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	29-OCT-03-31-AUG-05	Public Outreach and Education	$80,965	$0	Oregon

Project Description

The Watershed Stewardship Education Program (WSEP) will be delivered in 20 venues statewide to provide watershed groups and citizens with watershed education. The WSEP increases the capacity of watershed groups and community members to identify and address water resource issues at local levels. Master status is given to those participants who complete a Core Program or an Institute Program in addition to a voluntary watershed project. OWEB funds will be used to support program management (WSEP staff, travel, supplies and materials, website maintenance, newsletter printing and mailing) and program delivery (curriculum development, facility rental, field trip transportation, learning guides, supplies and materials, contract educators and their travel).

Project Ref	Grantee	Project Name	State
OWEB 204-178	OWEB	MidCoast WSC Education	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Public Outreach and Education	$17,656	$0	Willamette

Project Description

This project will support a part-time position whose responsibility is to continue the implementation of a successful comprehensive watershed awareness/education program in the mid-coast region through: 1) the recruitment and training of area teachers, volunteers and other community groups to utilize watershed curricula and water quality monitoring equipment; 2) the education of K-12 students and community citizens during field trips, restoration projects, presentations, fairs and outdoor education programs and; 3) the development of mentor teachers. OWEB funds will be used for staff wages, travel (primarily school bus trips), supplies and minor production costs.

Project Ref	Grantee	Project Name	State
OWEB 201-061	OWEB	Neawanna Natural History Park - Estuary/Watershed Discovery	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	23-JUL-01-30-SEP-02	Public Outreach and Education	$22,600	$0	Northern Oregon Coastal

Project Description

The Estuary/Watershed Discovery is a citizen based natural resource program designed to engage community members and visitors.

Project Ref	Grantee	Project Name	State
OWEB 201-062	OWEB	Crossing Boundaries	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	07-JUL-01-26-OCT-02	Public Outreach and Education	$37,838	$0	Lower Columbia

Project Description

This project proposes to expand the current network of schools involved in watershed education to include more schools throughout the Lower Columbia River Estuary Program study area. Crossing Boundaries educates elementary through high school age children about watersheds and water quality in the classroom and through hands-on projects.

Project Ref	Grantee	Project Name	State
OWEB 201-064	OWEB	Mapleton Schools Natural Resource Education Program II	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-JUL-01-30-JUN-03	Public Outreach and Education	$13,605	$0	Willamette

Project Description

The Siuslaw Institute, in collaboration with the Mapleton School District, has initiated and carried out the first two years of a Natural Resource Education Program in the Mapleton Schools. This inter-disciplinary program will continue to utilize new and existing natural resource educational materials, hands-on activities and projects, faculty skills, guest speakers with technical expertise in watershed and salmon recovery, and an education specialist who serves to coordinate program elements for the schools

Project Ref	Grantee	Project Name	State
OWEB 201-112	OWEB	South Coast Lowland Riparian Silvicultural Guidance	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-31-DEC-03	Public Outreach and Education	$50,047	$0	Southern Oregon Coastal

Project Description

This project will develop guidelines to plan, implement and evaluate riparian agriculture projects in lowland areas of the South Coast of Oregon. The project is a cooperative venture of the Coos, Coquille, Lower Rogue, and South Coast Coordinated Councils. Guidance will be based on a synthesis of the literature, the practical experience of the Councils, and an integrated monitoring effort. The document produced will be targeted towards agencies, Extension, and interested landowners.

Project Ref	Grantee	Project Name	State
OWEB 201-339	OWEB	Watershed Education Program And Facilitator	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	23-OCT-01-31-JUL-03	Public Outreach and Education	$58,481	$0	Klamath

Project Description

This project would provide an assessment workshop using the Stream A Syst program, and location of appropriate follow-up workshops using the Farm/Ranch Water Quality Management Program.

Project Ref	Grantee	Project Name	State
OWEB 201-341	OWEB	Crooked River Natural Resource Brochure	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-DEC-01-19-SEP-03	Public Outreach and Education	$4,225	$0	Deschutes

Project Description

This project would develop a brochure for landowners along streams to inform them of state and local rules, the importance of resource values and assistance information.

Project Ref	Grantee	Project Name	State
OWEB 201-364	OWEB	Grande Ronde Basin Natural Resource Outreach	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JAN-02-26-FEB-03	Public Outreach and Education	$30,220	$0	Lower Snake

Project Description

The proposed project is an educational/outreach program that will highlight restoration efforts in the Grande Ronde basin and reach landowners who are unaware or wary of participating in restoration projects.

Project Ref	Grantee	Project Name	State
OWEB 201-365	OWEB	Walla Walla River Ecology Mural	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	16-OCT-01-31-DEC-02	Public Outreach and Education	$5,500	$0	Middle Columbia

Project Description

The project will create an educational mural portraying the Walla Walla River in a cross-section with the riparian zone and associated land and aquatic life in a manner that visually conveys the interrelationships of a healthy watershed.

Project Ref	Grantee	Project Name	State
OWEB 201-366	OWEB	"Weed" The Play	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	22-OCT-01-30-JUN-03	Public Outreach and Education	$10,578	$0	Middle Columbia

Project Description

The project proposes to put on a play that shows the various effects that natural resources issues can have on rural economies and the need for cooperative efforts in making natural resources decisions. The play also demonstrates the effort in making natural resource decisions and the pressures on the ranching lifestyle.

Project Ref	Grantee	Project Name	State
OWEB 201-397	OWEB	Oregon's Greatest Wetlands Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	31-OCT-01-06-AUG-03	Public Outreach and Education	$19,800	$0	Oregon

Project Description

The applicant proposes to create a map of Oregon's greatest wetlands with an integrated multi-media database. A web site will be used to disseminate the information.

Project Ref	Grantee	Project Name	State
OWEB 201-399	OWEB	Resource Assistance for Rural Environments	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	28-MAY-02-30-SEP-03	Public Outreach and Education	$81,308	$0	Oregon

Project Description

This program proposes to place eight to ten technical assistants in watersheds across Oregon from October 2001 through September 2002.

Project Ref	Grantee	Project Name	State
OWEB 201-401	OWEB	Watershed Stewardship Education Program	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	19-NOV-01-01-OCT-03	Public Outreach and Education	$152,812	$0	Oregon

Project Description

This program proposes to offer workshops in select locations around the state during the next two years. The program consists of a series of eight workshops and a Master Watershed Steward program offered at each location.

Project Ref	Grantee	Project Name	State
OWEB 201-436	OWEB	Livestock & Pasture Management Planning	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	13-FEB-02-18-DEC-02	Public Outreach and Education	$10,148	$0	Southern Oregon Coastal

Project Description

This project will produce 25 livestock management plans for small-scale agricultural operators (“hobby-farmers”). A livestock and pasture consultant will be hired to visit the properties and discuss management objectives with the managers. Plans will then be prepared including best management practices. Emphasis will be placed on management practices that improve water quality.

Project Ref	Grantee	Project Name	State
OWEB 201-455	OWEB	Tualatin WS Non-point Source Pollution ED & Outreach	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-MAR-02-30-JUN-03	Public Outreach and Education	$6,400	$0	Lower Columbia

Project Description

This proposal is to fund 110 non-point source pollution presentations over 18 months to elementary school classes, farmers, and community groups and to conduct watershed workshops for teachers. The applicant will offer a total of 80 in-classroom presentations and discussions on the interactions of agriculture, industry, forestry and urban practices on water quality. The project also includes 2 teacher workshops, and 30 presentations at community events. OWEB funds are requested for a part-time educator, office space and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-460	OWEB	Make A Ripple Make A Wave	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	05-MAR-02-12-AUG-02	Public Outreach and Education	$14,795	$0	Willamette

Project Description

The project will help in elementary schools in the Salem, Albany, Washington County, and Calapooia/South Santiam watershed areas. OWEB funds are requested for travel, artists/coordinator/booking fees, translation/adaptation and rehearsal costs, audio tapes, songbooks, and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-462	OWEB	Team Up "Green Team"	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	18-FEB-02-12-SEP-03	Public Outreach and Education	$32,951	$0	Lower Columbia

Project Description

Two “Green Teams” of high school and community college students will be created to work on watershed restoration in the Tualatin and Sandy watersheds. Each team of 10 to 15 students will receive 32 hours of training with a focus on hands-on restoration and monitoring. The primary goal of the Team-Up “Green Team” program is to bring a variety of funding partners and groups together to work cooperatively on enhancement sites, learning about watershed health issues and building long-term relationships. OWEB funds are requested to support SOLV staff time to develop and implement the program, travel, student transportation, training assistance, instructional materials, site revegetation costs, film, presentation production costs, monitoring equipment and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-493	OWEB	Watershed Education Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-FEB-02-30-DEC-03	Public Outreach and Education	$44,674	$0	Klamath

Project Description

This project will address diverse audiences for the purpose of helping them understand what a watershed is and what influences how a watershed functions. Recent surveys showed that 65% of the population thinks a wetland and a watershed is the same thing and 17 of 18 people could not define a watershed or name the one that they live in. OWEB funds would be used to support wages, benefits and travel for a half-time watershed education coordinator and for workshop supplies and mailings.

Project Ref	Grantee	Project Name	State
OWEB 201-494	OWEB	Living on a Few Acres Improving Land Mangement Practice	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-FEB-02-15-OCT-03	Public Outreach and Education	$30,451	$0	Deschutes

Project Description

This project would conduct five small acreage management workshops, taught by OSU Extension and SWCD technicians in Deschutes, Jefferson and Crook counties. Each workshop will include a tour and on-farm demonstrations. OWEB funds will be used for transportation costs, public outreach, materials, equipment, facility rentals and coordinator’s time for project management.

Project Ref	Grantee	Project Name	State
OWEB 201-508	OWEB	Owyhee WSC Education & Technical Support Project	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	06-FEB-02-30-NOV-03	Public Outreach and Education	$66,011	$0	Middle Snake-Boise

Project Description

The Owyhee Watershed Council Education and Technical Support Project seeks to increase public and council awareness in the Owyhee basin about watershed issues, and to continue and expand an extensive outreach program. Products include a newsletter, news articles, road signs, establishment of the council data base, classroom outreach, town hall meetings, tours and on-farm demonstrations. OWEB funds are requested for the educational outreach coordinator, travel, supplies, newsletters, mailing, signs, equipment and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-523	OWEB	Demonstration of Soil and Water Stewardship	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	12-MAR-02-31-DEC-03	Public Outreach and Education	$37,326	$0	Middle Snake-Boise

Project Description

The project uses practical demonstration and education to expand subsurface drip irrigation (SDI) that the Malheur Field Station developed for onions by proving feasibility on additional crops and situations using many cooperators and partners. Implementation of the project will help to address water quality problems related to irrigation-induced runoff and leaching. OWEB funds are requested for salary, pipe, moisture sensors, contract labor and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-544	OWEB	Oregon Watershed Weeks 2002-03	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	04-FEB-02-31-DEC-03	Public Outreach and Education	$63,910	$0	Oregon

Project Description

This project will continue and expand the pre-existing “Oregon Watershed Weeks” program during September 14 through October 20 in 2002 and September 13 through October 19 in 2003. Watershed councils and other organizations will be recruited to host watershed education and public involvement activities during these times. Outreach materials and at least one web site will describe and promote these events. About 2/3 of OWEB funds would support the “marketing and evaluation coordinator,” and most of the rest would go for publications.

Project Ref	Grantee	Project Name	State
OWEB 201-546	OWEB	Increasing Public Access to Biodiversity Data	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-02-31-MAR-04	Public Outreach and Education	$89,939	$0	Oregon

Project Description

Four different resources or tools will be developed to increase public access to biodiversity information: (1) a web-based map-driven tool allowing easy and free access to statewide biodiversity data; (2) a map compiling and consolidating fine-scale data on vegetation and habitat types; (3) a guide to wetland and riparian habitats and plant communities in Eastern Oregon; and (4) a similar guide covering Northwestern Oregon. All materials will be made available free of charge to watershed councils, government agencies, and members of the general public. The largest block of OWEB funds would go toward personnel ($50,000), with other major expenses for design and printing, computers, and administration.

Project Ref	Grantee	Project Name	State
OWEB 201-561	OWEB	Strategic Planning Workshop for WS Ed in Tillamook Co School	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-JUL-02-08-OCT-03	Public Outreach and Education	$915	$0	Northern Oregon Coastal

Project Description

This project would fund a one-day workshop in Tillamook County for teachers, school district administrators, natural resource professionals and watershed council staff and members. The goal of the workshop is to make watershed education more sustainable in the short and long-term and to coordinate resources among school-based watershed education programs in the county. OWEB funds will be used to pay a stipend to twenty schoolteachers to attend the workshop, as well as travel expenses, lunch for the attendees and supplies/materials.

Project Ref	Grantee	Project Name	State
OWEB 201-563	OWEB	MidCoast WS Council Education Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	24-JUN-02-21-JAN-04	Public Outreach and Education	$24,900	$0	Northern Oregon Coastal

Project Description

This project would fund the continuation of a comprehensive watershed awareness and education program in the elementary, middle and selected classes in the high schools of Lincoln County. The program utilizes activities in the schools and communities, as well as in summer programs, to teach watershed issues. OWEB funds will be used primarily to fund a part-time education coordinator and for student and coordinator transportation costs.

Project Ref	Grantee	Project Name	State
OWEB 201-591	OWEB	Nature's Treasures Science Fair/ Water Festival	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	17-JUL-02-13-MAR-03	Public Outreach and Education	$1,917	$0	Southern Oregon Coastal

Project Description

This project proposes to sponsor a science fair and water festival. The events will include students, their family members and local community members. The events encourage active participation and will focus on watershed stewardship and natural resources.

Project Ref	Grantee	Project Name	State
OWEB 201-620	OWEB	Slough School-Columbia Slough WS Education Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	18-JUN-02-30-SEP-04	Public Outreach and Education	$93,346	$0	Lower Columbia

Project Description

The Columbia Slough Watershed Council proposes an education program for about 3,000 K-12 students in 25 schools. The students will participate in classroom actives, field studies, extended day and summer programs, service learning, and community projects. OWEB funds would be used to hire an educator and pay for student and educator travel, field equipment, and program materials.

Project Ref	Grantee	Project Name	State
OWEB 201-623	OWEB	"Shed-Ed" Collaborative WS Education Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	06-AUG-02-31-DEC-03	Public Outreach and Education	$103,400	$0	Willamette

Project Description

The North Santiam Watershed Council proposes continued development of its Shed-Ed program which consists of a 3-year integrated course of instruction directed toward Natural Resource CAM proficiencies. The program is currently used at Santiam High School in Mill City and North Santiam High School in Stayton. OWEB funds would be used for project coordination, teacher and resource professionals, transportation, field and classroom supplies, printing, mailing, computers and monitoring equipment.

Project Ref	Grantee	Project Name	State
OWEB 201-651	OWEB	Library Outdoor Learning Center Interpretive Panels	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	17-AUG-02-28-APR-03	Public Outreach and Education	$3,530	$0	Deschutes

Project Description

A steering committee is guiding the development of an outdoor learning center on a 5 acre site with 1,300' of frontage on the Crooked River and adjacent to the new Crook County Library. This project would enable the design, construction and placement of four interpretive panels.

Project Ref	Grantee	Project Name	State
OWEB 201-653	OWEB	Deschutes Basin WS Education	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	28-JUN-02-05-AUG-03	Public Outreach and Education	$30,000	$0	Deschutes

Project Description

Wolftree Inc., a nationally recognized ecology education program, will increase its teacher training and the number of field trip days (to a minimum of 23) for outdoor classroom programs for students in the upper Deschutes Basin. A science based curriculum will also be supported in the Jefferson County schools, grades K-12 together with ongoing support to the existing schools already participating.

Project Ref	Grantee	Project Name	State
OWEB 201-654	OWEB	Voice for Hood River WS Restoration Interp Signs	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	03-JUL-02-30-JUN-04	Public Outreach and Education	$12,000	$0	Middle Columbia

Project Description

This proposal would design, construct and place 8 or 9 interpretive signs at certain stream restoration sites in each fifth field watershed in the Hood River basin. The signs would address repeated questions about the restoration work accomplished, the history of the watersheds and the fish and wildlife resources. The USFS will pay for four of the signs and OWEB funds would be used to pay for five additional signs.

Project Ref	Grantee	Project Name	State
OWEB 201-655	OWEB	Crooked River Ecosystem Education Council	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	29-AUG-02-29-JUL-03	Public Outreach and Education	$7,200	$0	Deschutes

Project Description

The Crook County schools, Ochoco National Forest and other natural resource groups have developed education programs that have been operating for 10 years. They are seeking funds to help repair and upgrade materials used for Fish Fest, Stream Field Experience and the Senior Fishing Derby.

Project Ref	Grantee	Project Name	State
OWEB 201-675	OWEB	Willow Cr Demonstration & BMP Implementation Project	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	06-JUN-02-30-APR-04	Public Outreach and Education	$58,448	$0	Middle Snake-Boise

Project Description

The Malheur SWCD is seeking funds for a project coordinator to work with the lower Willow Creek Working Group, formed in July 2000 to be proactive on water quality issues. The coordinator will develop and monitor three demonstration projects relative to E. coli and other water quality concerns. Landowners and agencies will be informed about the success of projects and recommended BMP's. OWEB funds are requested for coordinator salary (60%), travel/rent(12%), contracted services- microbiologist (10%), materials/equipment (8%) and administration (10%).

Project Ref	Grantee	Project Name	State
OWEB 201-718	OWEB	Salmon Watch Program Expansion Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	17-JUN-02-31-DEC-04	Public Outreach and Education	$37,000	$0	Oregon

Project Description

Oregon Trout seeks funding to expand the Salmon Watch® program, a collaborative, field-based environmental education program for middle and high school students in Oregon. The project would hire additional staff to establish two new hubs and implement 44 new field trips. OWEB funds would support personnel costs (61%), travel (30%), supplies and production costs.

Project Ref	Grantee	Project Name	State
OWEB 201-721	OWEB	Creeks and Kids	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	26-JUN-02-28-JAN-04	Public Outreach and Education	$13,691	$0	Oregon

Project Description

The Creeks and Kids workshops provide training for K-12 educators through summer workshops with both field work and classroom activities. This project would support two workshops in 2002 for 50 teachers. OWEB funds would be used for teacher lodging and meals (53%), staff expenses, materials and transportation.

Project Ref	Grantee	Project Name	State
OWEB 201-723	OWEB	Manuer Management Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	21-AUG-02-11-DEC-03	Public Outreach and Education	$37,000	$0	Oregon

Project Description

The proposed project continues support for two water quality technicians that work directly with dairy producers to develop manure management plans, calibrate manure application equipment, and assist producers with soil sampling and proper application rates. OWEB funds would support personnel costs (72%), travel, soil sampling, office expenses, and education workshops.

Project Ref	Grantee	Project Name	State
OWEB 201-724	OWEB	Voluntary Conservation Workshops	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	22-AUG-02-31-AUG-03	Public Outreach and Education	$90,000	$0	Oregon

Project Description

Voluntary Conservation Workshops are designed to educate rural producers and small acreage landowners on conservation management practices in the context of a healthy watershed. This project would continue a series of already developed workshops and would implement 50 workshops over two years. OWEB funds would be used for personnel costs (40%), direct mail and publicity (30%), travel (14%), and workshop materials.

Project Ref	Grantee	Project Name	State
OWEB 201-902	OWEB	OWEB Outreach and Education Support	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-SEP-01-30-JUN-03	Public Outreach and Education	$150,000	$0	Oregon

Project Description
OWEB Outreach and Education Program

Project Ref	Grantee	Project Name	State
OWEB 201-903	OWEB	OWEB Business Partnership Coordinator	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-SEP-01-30-JUN-03	Public Outreach and Education	$150,000	$0	Oregon

Project Description
OWEB Business Partnership Coordinator

Project Ref	Grantee	Project Name	State
OWEB 201-904	OWEB	OWEB Statewide Education Needs	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-SEP-01-30-JUN-03	Public Outreach and Education	$100,000	$0	Oregon

Project Description
OWEB Statewide Education & Needs

Project Ref	Grantee	Project Name	State
OWEB 201-905	OWEB	ODA Landowner Workshops	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-SEP-01-30-JUN-03	Public Outreach and Education	$30,000	$0	Oregon

Project Description
Oregon Dept of Agriculture landowner workshops

Project Ref	Grantee	Project Name	State
OWEB 203-012	OWEB	Upper Rogue WS Association Ed/Outreach	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	11-OCT-02-31-DEC-04	Public Outreach and Education	$8,836	$0	Southern Oregon Coastal

Project Description

The project proposes to continue the production and delivery of the “UR Watershed News”, a monthly educational and informative watershed newsletter. The distribution reaches over 13,000 Upper Rogue residents every month. Articles covered by the full-page newsletter include guidelines for good stewardship, and resource and conservation information. Project funds requested would be used for a project writer, newspaper production costs and administrative fees.

Project Ref	Grantee	Project Name	State
OWEB 203-056	OWEB	Student WS Research	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	30-SEP-02-31-OCT-03	Public Outreach and Education	$42,031	$0	Lower Columbia

Project Description

This proposal is to provide technical and educational coordination and support to teachers and watershed councils involved in long-term baseline monitoring and watershed education in the Portland metropolitan area. OWEB funds are requested for personnel, travel, web service, supplies, production costs and administration.

Project Ref	Grantee	Project Name	State
OWEB 203-061	OWEB	H.S. Course: “Interpretive Strategies for Wise Use of NR”	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	18-NOV-02-30-JUN-04	Public Outreach and Education	$26,516	$0	Deschutes

Project Description

The Lewis and Clark Riverfront Trail is a 9.6 mile partially constructed trail between the Columbia Gorge Discovery Center and The Dalles Dam visitor center. Mill Creek flows through The Dalles and four public access sites. The Wahtonka and The Dalles high schools will continue development of interpretive signs through a course just developed for this project to meet the State Certificate of Advanced Mastery (CAM) requirements. Fifteen signs will be designed, constructed and installed. OWEB funds would be used for sign fabrication and installation and partial funding of an instructor for the new course.

Project Ref	Grantee	Project Name	State
OWEB 203-084	OWEB	STELLAR	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	21-OCT-02-29-FEB-04	Public Outreach and Education	$22,860	$0	Middle Columbia

Project Description

This proposal is seeking funds to provide hands-on and student-directed learning experiences in the Walla Walla basin in science and math using the watershed as the principal subject to be studied and explored. Students will be given the tools and knowledge to become critical thinkers and to be equipped to make decisions and judgment about their communities, the local economy and the environment. OWEB funds are requested for a coordinator (66%), native plant propagation (17%) and supplies (10%).

Project Ref	Grantee	Project Name	State
OWEB 203-107	OWEB	Salmon Watch Program Expansion	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	21-OCT-02-31-DEC-04	Public Outreach and Education	$84,000	$0	Oregon

Project Description

Oregon Trout seeks funding to expand the Salmon Watch program, a collaborative field-based environmental education program for middle and high school students in Oregon. OWEB funds will be used to support the establishment of two new hubs, implementation of 44 new field trips, procurement of field equipment, and hiring of additional staff to implement the proposed expansion plans.

Project Ref	Grantee	Project Name	State
OWEB 203-109	OWEB	Oregon Wetlands Reserve Program Partnership	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	06-NOV-02-11-AUG-03	Public Outreach and Education	$16,000	$0	Oregon

Project Description

Ducks Unlimited proposes to build on a successful partnership initiated in 1999 to address one of the most significant barriers – lack of administrative support – to implementation of the Wetlands Reserve Program in Oregon. OWEB funds will be used to help fund costs of the personnel contract for the WRP support and administration position.

Project Ref	Grantee	Project Name	State
OWEB 203-110	OWEB	Conservation District Accounting System & Database	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	30-OCT-02-30-JUN-05	Public Outreach and Education	$53,714	$0	Oregon

Project Description

The Oregon Association of Conservation Districts will lead the development of a statewide standard, uniform accounting system for all 45 conservation districts and the development of a database on Oregon's conservation districts and OACD. OWEB funds will be used for contracting with the service provider, developing the software program, printing and delivering the step-by-step manual, updating district payrolls, training, travel, and telephone support.

Project Ref	Grantee	Project Name	State
OWEB 203-128	OWEB	Natural Resources WS Education Through Science Inquiry	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-APR-03-30-JUN-04	Public Outreach and Education	$3,320	$0	Southern Oregon Coastal

Project Description

This project proposes to expand Pacifica's outreach program for natural resource education. This includes information and instruction in watershed-based science inquiry. The program is focused on grades K- 8 and is delivered through a mobile nature discovery center classroom. It employs a hands-on learning curricula (contextual and experimental) that is aligned with the Oregon Standards and Benchmarks for the certificate of Initial Mastery and the Certificate of Advanced Mastery.

Project Ref	Grantee	Project Name	State
OWEB 203-129	OWEB	Applegator Newspaper	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-MAR-03-30-JUN-05	Public Outreach and Education	$39,542	$0	Southern Oregon Coastal

Project Description

This project proposes to continue the publication of the Applegator newspaper for the 2003-2005 biennium. The Applegator has served as the primary outreach and education tool for the Applegate River watershed Council and Applegate partnership for eight years. It is used as a tool to promote awareness of and participation in watershed restoration, salmon recovery, fire hazard reduction and emergency preparedness and community building. Community participation in producing the Applegator, as well as agency reliance on its use as an outreach tool, has increased during the past two years.

Project Ref	Grantee	Project Name	State
OWEB 203-167	OWEB	Community Rivers Education & Outreach Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	05-MAR-03-30-JUN-05	Public Outreach and Education	$41,800	$0	Deschutes

Project Description

The Community Rivers Program to improve watershed awareness, develop funding and implement on-the-ground restoration projects will be accomplished by working with the rapidly growing urban areas in Deschutes County. The primary audience will be will be riverfront property owners, elected officials, the media, community groups and recreational users. This project would provide funding for a staff person to conduct several on-going watershed education activities.

Project Ref	Grantee	Project Name	State
OWEB 203-168	OWEB	The Deschutes Basin Atlas Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	10-MAR-03-30-JUN-04	Public Outreach and Education	$33,000	$0	Deschutes

Project Description

There is a great deal of technical information about natural resources in the Deschutes Basin. This project would create an atlas of this information in a user friendly format. The atlas will help facilitate and guide resource discussion and decisions.

Project Ref	Grantee	Project Name	State
OWEB 203-190	OWEB	Outreach Program for WS Action Planning	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	16-FEB-03-30-JUN-04	Public Outreach and Education	$17,945	$0	Middle Snake-Powder

Project Description

The Education Committee of the Powder Basin Watershed Council presents this proposal to contract for an Outreach Program Coordinator to develop a dual program for Watershed Action Planning. The basin document will outline the important steps to initiate Watershed Action Plans in assessed watersheds. The accompanying document will present the outreach program necessary to achieve local participation and support at every step of the planning process. OWEB funds are requested for an outreach contractor (85%), supplies/materials (5%) and administration (10%). Cost-share partners are the BOR, BLM, OSU Extension Service, DEQ, NRCS and volunteers from the Powder Basin WSC.

Project Ref	Grantee	Project Name	State
OWEB 203-214	OWEB	Demo of Soil & Water Stewardship Using Drip Irrigation	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	02-APR-03-31-DEC-04	Public Outreach and Education	$38,525	$0	Middle Snake-Boise

Project Description

Subsurface drip irrigation has the potential to improve irrigation efficiency and reduce irrigation-induced erosion, runoff and groundwater contamination, all of these problems are prevalent in the Pacific Northwest. This project will use practical demonstration and education to expand subsurface drip irrigation that was developed for onions, proving feasibility on additional crops and situations, using a wide-range of cooperators. OWEB funds are requested for salary (70%), seed and fertilizer (6%), moisture sensors/publication (4%), contract labor (10%), administration (9%). Cost-share partners include DEQ 319, Malheur Experiment Station, Irrometer Co. Inc. and T-Tape.

Project Ref	Grantee	Project Name	State
OWEB 203-220	OWEB	Forest Road Assessment & Restoration Workshops	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	20-JUN-03-30-NOV-03	Public Outreach and Education	$25,000	$0	Oregon

Project Description

The OSU College of Forestry, in collaboration with the Committee on Family Forests of the Oregon Board of Forestry, seeks funding to develop and deliver a technical workshop on forest road assessment and restoration. Six, 2-3?day, workshops are planned statewide for forest operators and landowners. OWEB funds will be used for travel and lodging, facility rentals, supplies and materials, and production costs.

Project Ref	Grantee	Project Name	State
OWEB 203-221	OWEB	Instream Water Rights Toolbox	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	06-NOV-03-31-MAY-05	Public Outreach and Education	$19,640	$0	Oregon

Project Description

Oregon Water Trust, in collaboration with For Sake of the Salmon, seek funds to jointly provide education and training to watershed councils and other conservation groups on ways to restore and protect instream water rights under Oregon water law. OWEB funds will be used to support personnel costs related to developing the toolbox, travel and lodging, design and production of materials, and production costs related to outreach.

Project Ref	Grantee	Project Name	State
OWEB 203-222	OWEB	Macroinvertebrate Monitoring Program Development Assistance	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	10-FEB-03-31-JAN-04	Public Outreach and Education	$29,440	$0	Oregon

Project Description

The Xerces Society seeks funds to develop an education/outreach project that will lead 12 watershed councils through the process of macroinvertebrate monitoring and establish long-term monitoring stability. In 2000, the OWEB Board awarded funds to the Xerces Society to develop a CD-ROM on “Macroinvertebrate Monitoring and Identification (200-198),” which is scheduled for completion in March 2003. OWEB funds will be used primarily for personnel costs, and secondarily, for travel, supplies and materials, and equipment.

Project Ref	Grantee	Project Name	State
OWEB 203-223	OWEB	On-Line Threatened & Endangered Species Guide	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	10-FEB-03-31-MAR-04	Public Outreach and Education	$20,053	$0	Oregon

Project Description

The Oregon Natural Heritage Information Center (ORNHIC) and OSU are seeking funds to expand previous OWEB-funded work by developing an on-line guide to threatened and endangered species in Oregon. In 2001, the OWEB Board awarded funds to ORNHIC for two projects involving developing biodiversity data (201-548) and increasing public access to data (201-546), both of which are scheduled for completion in the first half of 2003. OWEB funds will be used primarily for personnel costs related to reserach; data compilation, consolidation, and digitization; and computer programming.

Project Ref	Grantee	Project Name	State
OWEB 203-904	OWEB	ODA Position- CREP thru 06-30-03	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	15-OCT-02-17-SEP-03	Public Outreach and Education	$51,947	$0	Oregon

Project Description

Fund CREP position

Project Ref	Grantee	Project Name	State
OWEB 200-003	OWEB	Mid Coast WS Council Education Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	14-MAR-01-07-JUN-02	Public Outreach and Education	$25,540	$0	Northern Oregon Coastal

Project Description

This project supports a two-thirds time position to continue coordination and implementation of a comprehensive watershed awareness/education program.

Project Ref	Grantee	Project Name	State
OWEB 200-005	OWEB	Schooner Creek WS Education	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	07-FEB-01-16-MAR-03	Public Outreach and Education	$33,689	$0	Northern Oregon Coastal

Project Description

Taft Elementary School staff and students will develop a science inquiry and watershed education curriculum and will increase community awareness about the health of the Schooner Creek watershed.

Project Ref	Grantee	Project Name	State
OWEB 200-049	OWEB	Tenmile Lakes Education Displays	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	08-MAR-01-23-OCT-01	Public Outreach and Education	$3,511	$0	Southern Oregon Coastal

Project Description

This project will support the designing, building and placement of 3 sets of education displays along the Lake's shorelines. Each set of will consist 3 separate displays that describe 1)watershed functions. 2)native species, 3)wetlands/riparian zones. The three display sets will be placed in well used shoreline "walking" areas at Osprey Point Resort, North Lake Resort, and the Coos county Park. Final products will provide visitors and local community members the opportunity to learn about natural resources issues.

Project Ref	Grantee	Project Name	State
OWEB 200-050	OWEB	Umpqua Basin Irrigation Management Workshops	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	13-FEB-01-23-JUL-01	Public Outreach and Education	$3,447	$0	Southern Oregon Coastal

Project Description

The proposal is to coordinate two workshops on irrigation system design and management. Background information on irrigation water rights will be provided by Dave Williams, Watermaster for the basin. Dr. Marshall English, professor from OSU. Will discuss irrigation system design, efficiency, and management. The targeted attendance is 100 people. Each workshop will begin the evening and last for approximately 3 hours.

Project Ref	Grantee	Project Name	State
OWEB 200-091	OWEB	Make Ripple Make a Wave	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	29-JAN-01-25-JUN-01	Public Outreach and Education	$0	$13,975	Oregon

Project Description

The project will provide urban watershed protection education and inspire positive action for over 18,000 K-5th grade students in 52 elementary schools in the Portland Metro area, Salem and Eugene. The assembly program is designed to address various learning styles in a unique way and is not dependent on teacher interest or time.

Project Ref	Grantee	Project Name	State
OWEB 200-123	OWEB	Riverwalk	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	09-FEB-01-08-AUG-01	Public Outreach and Education	$8,346	$0	Lower Columbia

Project Description

OMSI proposes to build Riverwalk an outdoor, educational exhibit about the Willamette River and its watershed along OMSI's riverfront public esplanade. The goal of Riverwalk is to provide an accessible and entertaining look at science, technology, and history of the river while building public awareness of our role as the river's stewards.

Project Ref	Grantee	Project Name	State
OWEB 200-124	OWEB	Jackson-Frazier Wetland	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	16-FEB-01-27-SEP-02	Public Outreach and Education	$4,996	$0	Willamette

Project Description

Interpretive watershed display and two associated brochures at Jackson-Frazier Wetland will increase public understanding of watershed processes in relationship to wetlands, and provide student understanding of detailed processes through brochures in a urban fringe watershed.

Project Ref	Grantee	Project Name	State
OWEB 200-133	OWEB	Kokanee Karnival Youth Education Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	27-MAR-01-14-OCT-03	Public Outreach and Education	$0	$5,767	Deschutes

Project Description

The Kokanee Karnival Youth Education Program is a dynamic, hands-on effort to teach approximately 1000 Central Oregon school children about the importance of clean water, healthy stream and river ecosystems, conservation of fish habitat, and community involvement. The Program has two participation levels- the "Comprehensive" and the "Supplemental Classroom Egg Incubation Project". Currently the entire program reaches 30 schools throughout the three county regions of Central Oregon.

Project Ref	Grantee	Project Name	State
OWEB 200-134	OWEB	Learning from the Land	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	08-FEB-01-01-DEC-02	Public Outreach and Education	$0	$14,012	Middle Columbia

Project Description

The "Learning from the Land: Techniques for Taking and Restoring Your Watershed's Pulse" project will create a science inquiry component for the Central Cascades Alliance SECERTS program, an ecology education curriculum offered to more than 400 upper-elementary students in Hood River and Wasco Counties. The project will give teachers & students opportunities for taking their watershed's pulse, including keeping tabs on watershed health and implementing restoration projects to improve water quality and salmon habitat.

Project Ref	Grantee	Project Name	State
OWEB 200-134A	OWEB	Learning from the Land	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	08-FEB-01-01-DEC-02	Public Outreach and Education	$0	$5,929	Middle Columbia

Project Description

The "Learning from the Land Techniques for Taking and Restoring Your Watershed's Pulse" project will create a science inquiry component for the Central Cascades Alliance SECERTS program, an ecology education curriculum offered to more than 400 upper-elementary students in Hood River and Wasco Counties. The project will give teachers & students opportunities for taking their watershed's pulse, including keeping tabs on watershed health and implementing restoration projects to improve water quality and salmon habitat.

Project Ref	Grantee	Project Name	State
OWEB 200-198	OWEB	Macroinvertebrate Monitoring and Identification CD-ROM	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	21-FEB-01-31-DEC-03	Public Outreach and Education	$37,050	$0	Oregon

Project Description

The Xerces Society will develop, produce, and promote a CD-ROM guide to Macroinvertebrate monitoring and identification monitoring and identification and a laminated field identification guide to common Northwest macroinvertebrates. The CD will be very similar to a web page and designed for use by watershed councils and the general public, thought intellectually accessible to everyone. Printable tutorials on all aspects of Macroinvertebrate monitoring will also be included for use in the field or away from the computer.

Project Ref	Grantee	Project Name	State
OWEB 200-202	OWEB	WEST Program	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	03-JAN-02-31-OCT-03	Public Outreach and Education	$10,000	$0	Oregon

Project Description

The main objective of the WEST program is to enhance the opportunity for farmers and ranchers to discover all the options available for positive environmental impact to their land. The secondary objective will be to share the experience of being a caretaker of the land with high school students. The project proposes to provide educational workshops free of charge across Oregon. The workshops will include instruction on watershed ecology and water quality/riparian vegetation monitoring.

Project Ref	Grantee	Project Name	State
OWEB 200-OWE	OWEB	WSC Organization and Communication Skill Building	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	14-FEB-01-31-DEC-01	Public Outreach and Education	$27,285	$0	Oregon

Project Description

To increase the effectiveness of watershed councils by enhancing organizational capacity & building communication skills among watershed council participants.

Project Ref	Grantee	Project Name	State
OWEB 200-OWE	OWEB	OR Dairy Farmers Assoc. Manure Mang Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	07-MAR-01-30-SEP-02	Public Outreach and Education	$143,100	$0	Oregon

Project Description

This project enables the Oregon Dairy Farmers Association to employ two water quality technicians that work directly with dairy producers. They assist producers in writing water quality management plans. These plans look at things such as soil sampling, manure application rates, documentation of manure application and crop rotation. This process results in higher water quality level for the state of Oregon.

Project Ref	Grantee	Project Name	State
OWEB 201-508A	OWEB	Owyhee WSC Education & Technical Support Project	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	06-FEB-02-30-AUG-03	Public Outreach and Education	$2,781	$0	Middle Snake-Boise

Project Description

Same as 201-508. Change in funding source.

Project Ref	Grantee	Project Name	State
OWEB 203-173	OWEB	Achieving Irrigation Efficiency for Upper Deschutes Basin	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	06-MAY-03-30-DEC-04	Public Outreach and Education	$16,122	$0	Deschutes

Project Description

Within Deschutes County, irrigation technicians will meet with 20 landowners (all Squaw Creek Irrigation District members) to evaluate their irrigation practices. Landowners will receive new equipment (sprinkler nozzles and other parts) to improve efficiencies. A report on water and energy savings will be prepared and shared with other irrigators in Central Oregon.

Project Ref	Grantee	Project Name	State
OWEB 97-716A	OWEB	Healthy Streams Partnership Support	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-97-30-JUN-01	Public Outreach and Education	$3,843	$0	Oregon

Project Description

Support for the Healthy Streams Partnership Program.

Project Ref	Grantee	Project Name	State
OWEB 98-022A	OWEB	Wood River Wetland Info & Education Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-98-30-JUN-03	Public Outreach and Education	$27,764	$0	Klamath

Project Description

Provide info and education displays and an expanded wetlands trail for visitors to the Wood River Wetland.

Project Ref	Grantee	Project Name	State
OWEB 99-221	OWEB	Publication of Coast Fork Willamette Subbasin Ed Materials	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-24-SEP-01	Public Outreach and Education	$1,658	$0	Willamette

Project Description

The Coast Fork Willamette Watershed Council Planning Group is compiling information which will introduce many citizens, landowners, and administrative personnel to Coast Fork Willamette Sub-basin Watershed Enhancement concepts. A book and brochure designed to educate the public about specific local watershed issues and the importance of public involvement will be produced. Watershed publications and distribution locations will be publicized in the local newspaper.

Project Ref	Grantee	Project Name	State
OWEB 99-356	OWEB	Upper Rogue WS Assoc Educ & Outreach	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-22-JAN-03	Public Outreach and Education	$8,809	$0	Southern Oregon Coastal

Project Description

This proposal is to continue the production and delivery of the UR Watershed News, a monthly educational and informative watershed newsletter. The newsletter will be published in the regional newspaper, The Upper Rogue Independent, with a distribution of over 12,000 monthly. Technology Learning Center will be assisting in the production of these publications. Students will be involved in the research, publication and distribution of the Newsletter: thus sustaining a better understanding of our natural resource issues. This newsletter will also be distributed throughout the entire Upper Rogue area and placed in libraries, schools, stores, information centers, and other businesses throughout the communities of Prospect, Trail, Shady Cove, Butte Falls and Eagle Point. The URWA web site will also be updated with the current Newsletter; and SWCD and OSU Extension workshops and upcoming events. This project has been identified in the Upper Rogue Watershed Association Action Plan and has been successful in recruiting members and bringing timely information and news to our local residents. Target audiences include ranchers, farmers, river user groups (rafting & fishing groups) and small private landowners and managers, teaching them the values of long term benefits of healthy watersheds. These groups will be informed of specific workshops to assist them in land management practices. Articles will showcase local landowners using good stewardship principles on their lands.

Project Ref	Grantee	Project Name	State
OWEB 99-383	OWEB	Tualatin Upper WS Restoration Ed. & Salmon Awareness	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	27-JUN-00-03-APR-02	Public Outreach and Education	$57,378	$0	Lower Columbia

Project Description

The projects goal is to build sustainable community capacity to restore and protect the upper reaches of the Tualatin River and its rural tributaries (Gales, McKay and Dairy Creeks) to meet the objectives of the Oregon Plan. A priority concern is to identify, preserve, and restore critical habitat of steelhead salmon and cutthroat trout. The first year of OWEB funds for this project will result in a site-specific list for restoration work on the upper watershed's mainstem of the Tualatin and three rural tributaries. The actual restoration work will then be implemented over a 3-year period starting in January 2001 (funding to come from a public-private sector partnership of sources both within and external to the watershed). In addition, the project will in the first year: increase citizen awareness of and involvement in watershed protection to improve salmon habitat (objectives of Oregon Plan) and water quality (removal from 303d water quality limited list) and to build the volunteer capacity of these communities, including the development of 3 rural tributary Friends groups, to meet restoration needs identified in the watershed assessments and recommendations made by this project.

Project Ref	Grantee	Project Name	State
OWEB 99-439	OWEB	Nestucca-Neskowin Watershed Ed	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	24-JUL-00-14-OCT-02	Public Outreach and Education	$10,977	$0	Northern Oregon Coastal

Project Description

Fund successful quarterly newsletter, promote proposed Nestucca Bay Clean-Up project, and design and produce brochure to inform readers about watershed conditions and the activities of the council.

Project Ref	Grantee	Project Name	State
OWEB 99-445	OWEB	Stream Demonstration Model Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	10-AUG-00-14-FEB-02	Public Outreach and Education	$7,290	$0	Northern Oregon Coastal

Project Description

Construct two new Stream Demonstration Models for educational demonstrations of stream hydraulics. Fund maintenance of the one existing Stream Demonstration Model.

Project Ref	Grantee	Project Name	State
OWEB 99-450	OWEB	MidCoast Watersheds News	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	27-JUL-00-12-APR-02	Public Outreach and Education	$9,704	$0	Northern Oregon Coastal

Project Description

Fund the continuation of a quarterly newsletter distributed throughout the mid-coast watersheds. The newsletter has been a successful outreach/education tool in the past.

Project Ref	Grantee	Project Name	State
OWEB 99-477	OWEB	Spirit 2000 Water Fest & Nature's Treasures Science Fair	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	24-AUG-00-05-JUN-01	Public Outreach and Education	$1,900	$0	Oregon

Project Description

Partially fund the Spirit 2000 Water Fest and Nature's Treasures Science Fair, "a carnival of education." The event will showcase student natural resource projects, eco-tourism, Oregon Plan agencies, federal agencies, and volunteer monitoring.

Project Ref	Grantee	Project Name	State
OWEB 99-482	OWEB	Applegate Watershed Stewardship Demo & Landowner Assist Proj	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-15-SEP-03	Public Outreach and Education	$69,630	$0	Southern Oregon Coastal

Project Description

Implement demonstration projects, conduct workshops, and provide on-the-ground landowner assistance with project development. Provide working examples of restoration and stewardship practices in a variety of local ownership and management scenarios.

Project Ref	Grantee	Project Name	State
OWEB 99-482A	OWEB	Applegate Watershed Stewardship Demo & Landowner Assist Proj	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-15-SEP-03	Public Outreach and Education	$22,734	$0	Southern Oregon Coastal

Project Description

Implement demonstration projects, conduct workshops, and provide on-the-ground landowner assistance with project development. Provide working examples of restoration and stewardship practices in a variety of local ownership and management scenarios.

Project Ref	Grantee	Project Name	State
OWEB 99-487	OWEB	Valley of the Rogue Park (Salmon Obs Deck)	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	08-AUG-00-30-APR-02	Public Outreach and Education	$0	$8,890	Southern Oregon Coastal

Project Description

Construct an observation deck at Valley of the Rogue Park (which receives 1.65 million visitors annually) to view salmon spawning in the Rogue River. Replace blackberry and other invasive species with native vegetation.

Project Ref	Grantee	Project Name	State
OWEB 99-516	OWEB	Small Acreage Landowner Workshops & Demonstrations	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-21-AUG-01	Public Outreach and Education	$25,462	$0	Willamette

Project Description

Fund four education workshops, one each in Multnomah, Clackamas, Marion and Washington counties, to demonstrate best management practices for small acreage farmers and promote the use of a no-till drill, which will be available for rent.

Project Ref	Grantee	Project Name	State
OWEB 99-530	OWEB	Reducng Urbn Pointlss Pollutn: 50 Wys to Love the Willamette	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-11-APR-02	Public Outreach and Education	$34,265	$0	Oregon

Project Description

Print and distribute 20,000 copies of "50 Ways to Love Your River," place four ads in council newsletters and water and sewer bills, and produce television public service announcement.

Project Ref	Grantee	Project Name	State
OWEB 99-536	OWEB	Conservation Planning and Implementation Program	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-03-MAR-03	Public Outreach and Education	$54,951	$0	Klamath

Project Description

Provide on-the-ground technical assistance to urban, suburban, and rural landowners whose land use practices greatly impact water quality. This program is intended to increase the number of landowners who develop and implement conservation plans.

Project Ref	Grantee	Project Name	State
703828	CDFG	Fisheries and Watersheds Education Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Public Outreach and Education	$22,649	$0	Northern California Coastal

Project Description

Implement scientific watershed monitoring activities with citizens, college and high school participants utilizing CDFG accepted protocols. Organize training sessions for field monitoring equipment. Add to science lending library. Provide a central watershed education coordinator. Continue watershed awareness field trips, classroom presentations and stewardship activities for younger students.

Project Ref	Grantee	Project Name	State
704543	CDFG	John Smith Creek Barrier Modification and Instream Habitat Restoration Pr	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-05-MAY-03	Public Outreach and Education	$0	$189,497	Northern California Coastal

Project Description

Replace a culvert at the confluence of John Smith Creek and the North Branch of the Navarro River. The culvert, which constitutes a partial or a complete barrier to upstream fish migration (depending on flows), will be replaced by a flat-car bridge. Place 14 instream structures to improve habitat conditions for Coho salmon and steelhead.

Project Ref	Grantee	Project Name	State
704557	CDFG	Seely Creek Watershed Association Riparian Planting Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Public Outreach and Education	$28,618	$0	Northern California Coastal

Project Description

Address keystone fisheries issues as identified in the Seely Creek Watershed Analysis completed in January 2001 by the Institute for Sustainable Forestry, the Seely Creek Watershed Association and Restoration Forestry. Implementation of this proposal will initiate the restoration of riparian canopy along the upper reaches of Seely Creek, reducing summer water temperature and providing for long-term coniferous large woody debris recruitment.

Project Ref	Grantee	Project Name	State
704566	CDFG	Meamber Tailwater Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-JUN-02-30-MAR-04	Public Outreach and Education	$42,697	$0	Klamath

Project Description

Catch, store, pump and re-use irrigation tailwater. This will reduce nutrients, improve water quality, increase water quantity, reduce sediment and improve spawning habitat in the Shasta River.

Project Ref	Grantee	Project Name	State
720143	CDFG	Thinking Ahead (W.A.T.E.R.)	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-03-29-FEB-04	Public Outreach and Education	$4,998	$0	Northern California Coastal

Project Description

Coordinate the W.A.T.E.R. program, consisting of 5 days of instruction presented in 3 phases; the pre-program visit, field study, and post-program visit. Provide a one time pre-program classroom visit to introduce the program, assess students¿ prior knowledge, and begin building a cooperative working community. Assist the class in planning for a stewardship activity to complete during their field study. Activities may include, but are not limited to, visits to the Mad River Fish Hatchery, visits to the Humboldt Fish Action Council trapping and/or rearing facilities, and Arcata Marsh and Wildlife Sanctuary. Provide a three-day field study opportunity consisting of watershed monitoring, hands-on exploration, and a stewardship activity. Perform a one day post-program visit to provide an opportunity for students to take the lessons from their field experience back to their school community. Help students process and analyze the data from their field study and make a creative presentation to their school and/or community.

Project Ref	Grantee	Project Name	State
720145	CDFG	Restoration Effective Monitoring Protocol Training	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	14-APR-03-14-MAY-03	Public Outreach and Education	$0	$4,231	Northern California Coastal

Project Description

1.Review and refine checklists and qualitative protocols.
2.Locate and lay out field sites for road upgrading and decommissioning monitoring training.
3.Participate in pre-training office and field review.
4.Implement and attend qualitative effectiveness monitoring protocol training.

Project Ref	Grantee	Project Name	State
720162	CDFG	Fish Passage / Dam Removal Technical Education	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	05-JAN-04-31-JAN-04	Public Outreach and Education	$4,475	$0	California

Project Description

1.Contractor will provide Dam Removal training and course materials for 5 participants covering the topics of:
¿Engineering and management issues associated with a range of dam types
¿Sediment management and water quality issues
¿Practical approaches to removing large and small dams
¿Dam removal case studies
2.Contractor will provide Fish Passage Implementation training and course materials for 5 participants covering the topics of:
¿Fish behavior
¿Biological Assessment for design
¿Design of nature-like fish passage
¿Fisheries and engineering perspectives
¿Fish passage at road crossings
¿Fish passage monitoring and criteria

Project Ref	Grantee	Project Name	State
OWEB 99-537	OWEB	North Santiam Watershed Education Project	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-24-MAY-02	Public Outreach and Education	$3,800	$0	Oregon

Project Description

Fund public outreach campaign materials for use at over 50 public events in the next year. Materials will include two interactive tabletop displays: (1) a non-point source pollution model, and (2) an interactive stream model.

Project Ref	Grantee	Project Name	State
OWEB 99-546	OWEB	Summer Watershed Ed Wkshp: "Water in the Desert?"	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	02-AUG-00-10-SEP-02	Public Outreach and Education	$0	$3,517	Deschutes

Project Description

Fund a three-day workshop to train 25 teachers in how to apply national environmental education curricula to local watershed issues.

Project Ref	Grantee	Project Name	State
OWEB 99-551	OWEB	Oregon Plan Video Documentation Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-28-MAR-03	Public Outreach and Education	$20,000	$0	Deschutes

Project Description

Produce and distribute a series of six to ten short videos documenting the watershed improvements accomplished under the Oregon Plan.

Project Ref	Grantee	Project Name	State
OWEB 99-553	OWEB	Central Oregon Regional Watershed Info & Outreach Prog	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	24-AUG-00-03-OCT-02	Public Outreach and Education	$0	$31,597	Deschutes

Project Description

Establish a regional information and outreach program linked to the goals of the watershed groups in the Middle, Crooked, and Upper Deschutes sub-basins.

Project Ref	Grantee	Project Name	State
OWEB 99-553A	OWEB	Central Oregon Regional Watershed Info & Outreach Prog	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	24-AUG-00-03-OCT-02	Public Outreach and Education	$0	$14,023	Deschutes

Project Description

Establish a regional information and outreach program linked to the goals of the watershed groups in the Middle, Crooked, and Upper Deschutes sub-basins.

Project Ref	Grantee	Project Name	State
OWEB 99-580	OWEB	Demonstration of Soil & Water Stewardship Using Drip Irrig.	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-13-SEP-01	Public Outreach and Education	$0	$36,054	Oregon Closed Basins

Project Description

Install moisture monitoring probes in local test fields to determine the optimum irrigation criteria for the production of alfalfa seed and potatoes using Subsurface Drip Irrigation, and reduce the risk of nitrate leaching.

Project Ref	Grantee	Project Name	State
OWEB 99-598	OWEB	Owyhee Watershed Information & Education Project	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-25-JUL-02	Public Outreach and Education	$0	$22,620	Middle Snake-Boise

Project Description

The Owyhee watershed is the largest drainage in the state, with the smallest population. It lacks its own watershed council. Fund three people to educate residents about watershed councils and inspire the creation of one.

Project Ref	Grantee	Project Name	State
OWEB 99-598A	OWEB	Owyhee Watershed Information & Education Project	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-30-APR-02	Public Outreach and Education	$0	$11,690	Middle Snake-Boise

Project Description

The Owyhee watershed is the largest drainage in the state, with the smallest population. It lacks its own watershed council. Fund three people to educate residents about watershed councils and inspire the creation of one.

Project Ref	Grantee	Project Name	State
OWEB 99-619	OWEB	Estuary Program/H2O Community Welcome to the River Project	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-02-SEP-03	Public Outreach and Education	$33,965	$0	Northern Oregon Coastal

Project Description

Fund "Headwaters to the Ocean", a hands-on, boat-based education program for fifth grade students operating on the Columbia and Willamette Rivers for four weeks. The boat will spend a week in Scappoose, St. Helens, Clatskanie, and Astoria.

Project Ref	Grantee	Project Name	State
OWEB 99-623	OWEB	Voluntary Conservation Workshops	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-JUN-00-10-MAY-02	Public Outreach and Education	$79,960	$0	Oregon

Project Description

Produce 25 statewide conservation workshops within critical salmon habitat areas to inform landowners about conservation planning and practices. The workshops will allow agency staff and conservationists to more efficiently use their limited time.

Project Ref	Grantee	Project Name	State
OWEB 99-903	OWEB	OWEB Public Information Officer/Outreach	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-31-DEC-02	Public Outreach and Education	$75,000	$0	Oregon

Project Description

OWEB 1999-01 Public Information and Outreach

Project Ref	Grantee	Project Name	State
2004-STIL-06	NWIFC Stillaguamish Tribe	Stillaguamish Watershed Conservation Reserve Enhancement Program	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Public Outreach and Education	$64,145	$0	Puget Sound

Project Description

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Project Ref	Grantee	Project Name	State
114000	NWIFC Stillaguamish Tribe	Stillaguamish Festival of the River	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03-30-SEP-04	Public Outreach and Education	$33,200	$0	Puget Sound

Project Description

Each year for the past 13 years, the Stillaguamish Tribe has organized, sponsored and staged a celebration of the culture and resources of the Stillaguamish watershed. The Festival of the River typically is held on the second weekend of August.

The festival provides an opportunity for the Tribe to communicate it¿s culture to the local community as well as provide a venue for presenting activities and displays which depict the positive benefits of a healthy watershed. These activities, presentations and displays occur within a festive atmosphere which draws families from throughout the watershed. All activities at the festival are free to the public. The attractiveness of the festival is enhanced by the inclusion of diverse entertainment such as a native american pow-wow, live music, logging show, crafts and food vendors, and salmon dinner.

The Tribe and participants from other agencies and organizations provides public education and outreach materials regarding restoration activities and opportunities within the watershed, water quality improvement, nature walks, and best agricultural practices. In addition, information regarding salmon stock status, habitat requirements, and the implications of proposed recovery guidelines is presented and discussed.

Project Ref	Grantee	Project Name	State
114001	NWIFC Stillaguamish Tribe	Stillaguamish Watershed Conservation Reserve Enhancement Program/P	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-03- -	Public Outreach and Education	$62,400	$0	Puget Sound

Project Description

The Tribe will hire a full time person to be a Technical Service Provider for the USDA¿s Natural Resources Conservation Service (NRCS) Conservation Reserve Program (CRP) and an education/outreach coordinator within the Stillaguamish Tribe¿s Usual and Accustomed Area . Under the CRP program agricultural producers enroll in a 10-15 year agreement to plant resource-conserving covers to improve water quality, control soil erosion, and enhance wildlife habitat. In return, participants receive rental payments and cost share assistance. The position will also coordinate outreach and educational activities for the Natural Resources Dept. Duties would include working with local students on salmon and water quality enhancement projects, as well as helping to plan for the annual Stillaguamish River Festival. The coordinator would also develop a quarterly newsletter for distribution to local citizens and schools and work with existing staff on expanding web site information.

Project Ref	Grantee	Project Name	State
100144	NWIFC Stillaguamish Tribe	Festival of the River	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-30-SEP-03	Public Outreach and Education	$62,529	$0	Puget Sound

Project Description

Summer public education event to teach about restoration and sustainability of salmon resources in the Stillaguamish basin. Educational materials distributed and discussed address restoration activities in the basin, water quality, agricultural BMPs, salmon stock status, habitat requirements, and implications of proposed recovery guidelines.

Project Ref	Grantee	Project Name	State
100124	NWIFC Skokomish Tribe	Skokomish Fisheries Enforcement Program	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-30-SEP-02	Public Outreach and Education	$75,382	$0	Puget Sound

Project Description

This project will provide a full-time enforcement officer for the Skokomish Tribe. The officer will enforce tribal fishing regulations such as area closures, gear restrictions, and release requirements in Hood Canal and streams feeding it, including on the Skokomish Reservation. The officer will also enforce land-use regulations on the Skokomish Reservation.

Project Ref	Grantee	Project Name	State
100072	NWIFC Muckleshoot Tribe	Watershed Coordination within the Muckleshoot U&A	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Public Outreach and Education	$141,250	$0	Lower Columbia

Project Description

The Senior Watershed Coordinator will track and review salmon recovery activities within the Tribe's U&A, as well as provide technical input. The technical input is intended to contribute to ESA salmon recovery and to provide sufficient harvestable fish to satisfy tribal needs.

Project Ref	Grantee	Project Name	State
100010	NWIFC Hoh Tribe	Channel Migration Processes Scientific Journal Paper	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-01-DEC-02	Public Outreach and Education	$20,000	$0	Washington Coastal

Project Description

Collaborative effort bringing together scientists to write a peer-reviewed scientific white paper for publication that describes processes of channel migration affecting the movements of rivers in wood-rich PNW rivers. The paper will specifically address vertical channel migration processes, variability and consequential horizontal channel movement and will identify measurable indicators of channel migration zones (CMZs) for wood-rich channels of the PNW.

Project Ref	Grantee	Project Name	State
100050	NWIFC Hoh Tribe	Channel Migration Zone (Definition Workshop)	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-30-SEP-02	Public Outreach and Education	$16,700	$0	Washington

Project Description

Collaborative effort bringing together scientists to participate in a 3-day workshop in February 2002 to 1) explore the types and controls to channel migration and how they are affected by natural and human-induced disturbance; and 2) develop practical definitions for the channel migration zone and methods to delineate CMZs on the ground. The objective of the proposed work is to describe the nature, style, and controls to river and stream channel movement, and implications for aquatic habitat and recovery. Following the workshop, collaborators will write a peer-reviewed scientific white paper that describes processes of channel migration affecting the movements of rivers and will identify measurable indicators of channel migration zones (CMZs) for wood-rich channels in the PNW.

Project Ref	Grantee	Project Name	State
2002-4-09	CRITFC Yakama Tribes	Public Information Specialist for Yakama Nation Salmon Recovery Efforts	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	22-MAY-03-31-DEC-04	Public Outreach and Education	$33,477	$0	Yakima

Project Description

The Yakama Nation firmly believes that sound education is key to gaining and maintaining public support for the salmon recovery of their trust resources. This education translates into better access to and communication with tribal and non-tribal governments, state agencies, and the public. This will lead to future collaborations with diverse stakeholders and in developing broad base support for the PCSRF salmon recovery efforts. Public support is key to implementing successful PCSRF projects that have long-term benefits for all stakeholders.

Project Ref	Grantee	Project Name	State
2002-2-06	CRITFC Umatilla Tribes	Natural Resource Public Education - Salmon Walk Expedition Events	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-16-AUG-03	Public Outreach and Education	$9,500	$0	Middle Columbia

Project Description

The CTUIR, Department of Natural Resources staff, are providing education and outreach regarding the programs and projects within DNR, specifically salmon recovery projects. The CTUIR staff will have a significant focus on CTUIR Fisheries and Wildlife programs. Staff will develop and implement an environmental outreach plan that addresses two general audiences within the CTUIR ceded territory: 1) students grades K-5 and 2) area residents of legal voting age. The goal of the outreach program is based on the Umatilla Basin Project, cooperation between geographic neighbors, and in making community-based decisions that protect the Umatilla River and other waters for all beneficial uses.

Project Ref	Grantee	Project Name	State
2000-2-06	CRITFC Umatilla Tribes	Salmon Walk	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-19-AUG-00	Public Outreach and Education	$2,500	$0	Middle Columbia

Project Description

The catalyst for Salmon Walk is the successful recovery of salmon to the Umatilla River that were extinct for more than 70 years, and the restored ability to practice vital tribal ways on and off the Umatilla Indian Reservation. In August 2000, a major public education event was held to carry out this goal along with many other local collaborators.

Project Ref	Grantee	Project Name	State
CCT04-4	Colville None	Salmon Recovery Education and Outreach	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-SEP-04-01-SEP-07	Public Outreach and Education	$42,000	$0	Upper Columbia

Project Description

The success of short- and long-term actions aimed at recovery and conservation of salmon and steelhead in the Columbia River Basin and in the Okanogan subbasin depends on good science, extensive cooperation among landowners, local government, state and federal agencies and Indian Tribes. Garnering cooperation among such a diverse range of interests requires a shared understanding of what is at stake, what the desired goals and objectives are, how to get there (strategies and tasks), and the willingness and ability to prioritize among difficult choices. Public education and outreach are essential components of an effective salmon and steelhead recovery and restoration strategy.

Under this project the Colville Tribes will produce a series of updated display panels for use on an 8 foot by 20 foot curved display wall that was purchased with previous PCSRF funds (CCT01-3a).The finished display will feature three interchangeable panels covering a range of topics including: historical information related to the cultural and economic significance of salmon and steelhead, the historical resons for the decline or extirpation of salmon in the Columbia Basin, a review of the current status of those populations, and highlights of salmon conservation and restoration activities (PCSRF funded and other) in the Okanogan aubbain including salmon enhancement, habitat restoration and protection, subbasin and watershed planning, and monitoring and evaluation activities, and public education and outreach. In addition, materials to produce a print publications based on the content of the display will also be developed.

The completed display and accompanying materials will be used in schools on the Colville Reservation and surrounding communities, at public fairs and festivals, at trade events associated with sport fishing, and at conferences and workshops.

Project Ref	Grantee	Project Name	State
CCT01-3a	Colville	Salmon Recovery Outreach and Education	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	04-DEC-01-31-AUG-04	Public Outreach and Education	$49,000	$0	Upper Columbia

Project Description

The Colville Tribes completed research, writing, and development of a traveling educational display. The display was used in numerous classroom presentations, open houses, workshops, and a series of public salmon festivals, which took place in both the U.S. and Canada. Tribal Fish and Wildlife staff used the display as a stand alone educational device, as well as a mechanism to generate interactive discussions with members of the public. The display was used at multiple venues including a series of Okanogan Basin Salmon Festivals, middle school educational events, and workshops. The finished display included panels identifying the historical and cultural role of salmon to the Tribes, information highlighting key factors limiting salmon natural productivity in the Okanogan Basin, discussion of basinwide factors leading to declining salmon populations, salmon life cycles, the economic impacts of salmon, and examples of ongoing salmon recovery activities. Accompanying materials included notebooks documenting local and regional salmon history, historical recovery documents, the Tribes' recovery program, handouts identifying opportunities for students to enter careers in fisheries and natural resource management, and notebooks collecting student comments and stories.

Project Ref	Grantee	Project Name	State
705103	CDFG	Scott River Restoration/Education Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Public Outreach and Education	$23,500	$0	Klamath

Project Description

Continue to develop and implement a Scott Valley watershed restoration and education project, focusing on our student and adult community regarding the habitat requirements, economic and cultural importance of our salmon population.

Project Ref	Grantee	Project Name	State
705154	CDFG	Salmon River Watershed Education Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUN-04-31-MAY-05	Public Outreach and Education	$17,722	$0	Klamath

Project Description

Coordinate and integrate CA state standards based watershed education in the 2 Salmon River schools and the Salmon River Watershed so students and community members can continue to participate in watershed education and restoration activities.

Project Ref	Grantee	Project Name	State
705184	CDFG	Salmonid Stream Habitat Restoration Field School Course Bioengineering	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Public Outreach and Education	$19,050	$0	Northern California Coastal

Project Description

The SRF Field School will teach bioengineering techniques to restore riparian habitat, control erosion, and stabilize banks to key audiences including watershed restorationists, agency personnel, and tribal members.

Project Ref	Grantee	Project Name	State
705253	CDFG	2005 Salmonid Restoration Federation Conference and Workshop Series	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Public Outreach and Education	$11,440	$0	California

Project Description

Produce the annual Salmonid Restoration Federation Conference in order to improve the technical skills of salmon, steelhead and trout fisheries restoration pratitioners and contractors.

Project Ref	Grantee	Project Name	State
705256	CDFG	SRF Field School - Culvert & Road Drainage Practice in the Central Coast	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Public Outreach and Education	$72,081	$0	Central California Coastal

Project Description

Provide two residential courses serving 60 students, specifically addressing issues of : 1) culvert maintenance, repair and replacement including necessary upslope analyses for sizing and silting requirements, 2) improved road drainage practices to protect water quality, and 3) spoil management issues related to roads.

Project Ref	Grantee	Project Name	State
705271	CDFG	Salmonid Riparian Education Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-MAY-04- -	Public Outreach and Education	$16,336	$0	Klamath

Project Description

Further develop the salmon and riparian education curriculum and expand the implementation of this educational program into Trinity High School that directly supports salmonid habitat protection and restoration efforts that are occurring within the Trinity River Watershed.

Project Ref	Grantee	Project Name	State
705319	CDFG	Salmon in the Classroom Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Public Outreach and Education	$62,605	$0	Northern California Coastal

Project Description

Coordinate and implement DFG's "Salmon & Steelhead Go To School" curriculum in 75+ classrooms in pre-K to 16 public and private schools in Humboldt County. Provide additional support and curriculum relating to salmon and watershed issues including workshops, field trips, video and slide shows, and training in the Project Wild/Aquatic Project Wild curriculum.

Project Ref	Grantee	Project Name	State
705325	CDFG	Mattole Watershed, Salmon, and Ecological Education Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Public Outreach and Education	$15,222	$22,845	Northern California Coastal

Project Description

Fund two years of Ecological Education in Mattole public schools. Provide events and activities for "Watershed Month," the Salmon-in-the-Classroom Program for up to four classrooms, and classroom and field trip support on watershed topics during the 2004-05 and 2005-06 school years.

Project Ref	Grantee	Project Name	State
705349	CDFG	CCSE Education Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Public Outreach and Education	$41,650	$0	Central California Coastal

Project Description

Expand the CCSE Trout in the Classroom Program and Group Presentations into more local schools in San Luis Obispo and northern Santa Barbara Counties. Educate the community, especially the youth, about the importance of the Central Coast salmonid species, including steelhead trout and Chinook salmon, and healthy watersheds.

Project Ref	Grantee	Project Name	State
705360	CDFG	Salmonid Curriculum Development	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Public Outreach and Education	$70,093	$0	California

Project Description

This project will cull the best of existing salmonid curricula and educational materials (prime materials from western states) and correlate these with the California Department of Education content standards at specific grade levels. The resulting curriculum product would allow teachers to incorporate the topic of salmon life cycles and recovery into their instruction with concepts appropriate to the grade level they teach.

Project Ref	Grantee	Project Name	State
704704	CDFG	Scott River Restoration/Education Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	26-MAY-03-31-MAR-05	Public Outreach and Education	$19,500	$0	Klamath

Project Description

Continue to develop and implement a Scott Valley watershed restoration and education project, focusing on our student and adult community regarding the habitat requirements, economic and cultural importance of our salmon population.

Project Ref	Grantee	Project Name	State
704707	CDFG	Salmon Trout Education Program (STEP) for the Restoration and Conserv	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Public Outreach and Education	$20,063	$0	Central California Coastal

Project Description

For new STEP teachers, provide a two-day training workshop to include in-service training/certification and curriculum materials. Provide classroom and Hatchery educational presentations.

Project Ref	Grantee	Project Name	State
704735	CDFG	Fish Passage and Culvert Design Workshops	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-22-MAR-04	Public Outreach and Education	$99,358	$0	San Joaquin

Project Description

Train up to 315 people coast wide to be proficient in CDFG and NMFS fish passage protocols and provide design and engineering guidelines for fish passage structures.

Project Ref	Grantee	Project Name	State
704746	CDFG	2003-2004 Adopt-A-Watershed Leadership Institute	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-30-NOV-04	Public Outreach and Education	$167,298	$0	California

Project Description

Develop a fisheries supplement for use with current AAW curriculum units. Funding will also allow 8 Leadership Teams from critical fishery habitat areas for California to attend the AAW 2003-2004 Leadership Institute. Training will be in program implementation and watershed project coordination. Up to 120 teachers will have on-site training by AAW staff in curriculum implementation and collaboration with community partners.

Project Ref	Grantee	Project Name	State
704756	CDFG	Education and Interpretive Plan; Warm Springs Dam/Don Clausen Fish Ha	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Public Outreach and Education	$74,096	$0	Northern California Coastal

Project Description

To provide a comprehensive education and interpretive plan for the Warm Springs Dam and Don Clausen Fish Hatchery to interpret the history, management and recovery/restoration efforts of the Russian River Watershed.

Project Ref	Grantee	Project Name	State
704760	CDFG	Mattole Ecological Education Program Watershed Week	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-31-DEC-04	Public Outreach and Education	$0	$5,811	Northern California Coastal

Project Description

To provide education in watershed restoration and salmonid ecology to all public school students within the Mattole River watershed. Project components include the Fifth Annual Watershed Week, classroom and field trip assistance and the Salmon-in-the-Classroom project.

Project Ref	Grantee	Project Name	State
704773	CDFG	Upper Mattole Water Conservation through Education and Incentives	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-31-MAR-05	Public Outreach and Education	$0	$10,500	Northern California Coastal

Project Description

To increase in-stream water flow in critical Upper Mattole coho refugia by encouraging residential and small-scale agricultural water conservation through education and incentives.

Project Ref	Grantee	Project Name	State
704774	CDFG	2004 Salmonid Restoration Conference	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-31-OCT-04	Public Outreach and Education	$0	$8,000	San Joaquin

Project Description

Improve the technical skills of salmon, steelhead and trout fisheries restoration practitioners and contractors.

Project Ref	Grantee	Project Name	State
704777	CDFG	Eel River Salmon Restoration Project Education Coordinator	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-30-JUN-04	Public Outreach and Education	$47,401	$0	Northern California Coastal

Project Description

To coordinate and implement DFG's "Salmon and Steelhead Go To School" curriculum in K-12 public and private schools in Humboldt and Mendocino Counties. To work with educators and other interested parties by providing additional support and curriculum relating to salmon and watershed issues including workshops, field trips, video and slide shows, and training in the Project Wild/Aquatic Project Wild curriculum.

Project Ref	Grantee	Project Name	State
704843	CDFG	Salmonid & Riparian Habitat Education Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	08-MAY-03-31-MAR-05	Public Outreach and Education	$19,971	$0	Klamath

Project Description

To further develop the curriculum and expand the implementation of the educational program in local Trinity County elementary schools that directly supports salmonid habitat protection and restoration efforts that are occurring within the Trinity River Watershed.

Project Ref	Grantee	Project Name	State
704854	CDFG	CCSE Education Programs	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-31-MAR-05	Public Outreach and Education	$34,643	$0	Central California Coastal

Project Description

Expand the CCSE Trout in the Classroom Program and Group Presentations into more local schools in San Luis Obispo and northern Santa Barbar Counties.

Project Ref	Grantee	Project Name	State
704859	CDFG	California Salmonid Stream Habitat Restoration Manual Printing	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-03-30-JUN-05	Public Outreach and Education	$0	$30,465	San Joaquin

Project Description

Print copies of the California Salmonid Stream Habitat Restoration Manual, including a limited printing of the upcoming Part VIII, for distribution to parties involved in salmonid stream habitat restoration.

Project Ref	Grantee	Project Name	State
704865	CDFG	"Bringing Sediment Reduction Tools to the Watershed" Workshops	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-30-NOV-04	Public Outreach and Education	$14,999	$0	Northern California Coastal

Project Description

Organize and conduct a training program in storm proofing and other critical road construction/maintenance techniques for young equipment operators within the southern Humboldt /Northern Mendocino area, and to conduct two workshops for landowners entitled "Roads, Sediment and Salmon" providing training in proper road construction and maintenance.

Project Ref	Grantee	Project Name	State
704877	CDFG	Creek Days, Eel River Environmental Education Fair	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-03-08-JUL-03	Public Outreach and Education	$0	$3,576	Northern California Coastal

Project Description

Protect and enhance salmon and steelhead habitat by educating approximately 650 local school children on the dynamics of a healthy watershed in a setting that promotes curiosity and enthusiasm.

Project Ref	Grantee	Project Name	State
704881	CDFG	Upslope Assessment and Roads Restoration Training Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Public Outreach and Education	$43,092	$0	Central California Coastal

Project Description

To ensure good road function with proven fisheries benefit by training the work crews who actually implement on-the-ground road maintenance, repairs and upgrades.

Project Ref	Grantee	Project Name	State
704884	CDFG	Field School - Culvert & Road Drainage Practice in the Central Coast Regi	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Public Outreach and Education	$38,964	$0	Central California Coastal

Project Description

Provide 2 residential courses serving 60 students, specifically addressing issues of 1) culvert maintenance, repair and replacement including necessary upslope analyses for sizing and sitting requirements, 2) improved road drainage practices to protect water quality, and 3) spoil management issue related to roads.

Project Ref	Grantee	Project Name	State
704890	CDFG	Salmon River Watershed Education Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	28-MAY-03-31-MAR-05	Public Outreach and Education	$16,163	$0	Klamath

Project Description

Coordinate and integrate watershed education in the two Salmon River elementary schools and the Salmon River watershed so students can continue to participate in watershed education and restoration activities.

Project Ref	Grantee	Project Name	State
705019	CDFG	Riparian Landowner Outreach and Restoration in Salmon Creek Watershe	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Public Outreach and Education	$96,250	$0	Northern California Coastal

Project Description

Expanding a cadre of knowledgeable people with a commitment to resource stewardship to be role models and sources of information in their communities through a comprehensive workshop series; Complete and provide stream reports to landowners with restoration recommendations; Complete 5 restoration projects on high priority stream reaches; Assist landowners in the design and permitting of additional restoration activities

Project Ref	Grantee	Project Name	State
705020	CDFG	Russian River Tributary Riparian Landowner Outreach and Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-31-MAR-05	Public Outreach and Education	$96,250	$0	Northern California Coastal

Project Description

Expanding a cadre of knowledgeable people with a commitment to resource stewardship to be role models and sources of information in their communities through a comprehensive workshop series; Complete and provide stream reports to landowners with restoration recommendations; Complete 5 restoration projects on high priority stream reaches; Assist landowners in the design and permitting of additional restoration activities

Project Ref	Grantee	Project Name	State
705060	CDFG	Siskiyou County Riparian Restoration Aquarium Incubator Extension Proje	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	27-JUN-03-31-MAR-05	Public Outreach and Education	$69,259	$0	Klamath

Project Description

Riparian restoration and environmental education

Project Ref	Grantee	Project Name	State
720077	CDFG	Basins of Relations: Creating Community Watershed Groups	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-SEP-03-31-DEC-04	Public Outreach and Education	$9,999	$0	California

Project Description

1.Distribute 1,500 informational flyers to project area residents and organizations residing in priority watersheds, including watersheds in Humboldt, Mendocino, Sonoma, Marin, and Napa Counties. High priority watersheds will be selected by and in consultation with DFG planning staff.
2.Post flyers in appropriate community centers, public places, and commercial outlets.
3.Run announcements in appropriate local publications.
4.Review applications and select up to 20 participants for the 2003 Basins of Relations Program from high priority watersheds.
5.Increase the support for and awareness of watershed restoration through public speaking, public education by OAEC staff and the watershed group members that are trained in the Basins of Relations Program.
6.Provide restoration consultation services and resource referrals for landowners.
7.Coordinate and develop regional watershed networks to amplify the effectiveness of local watershed groups.
8.Hire consultant to conduct a comprehensive evaluation of Basins of Relations Program effectiveness.
a.Design and implement an evaluation of all groups who have participated in the Program from 2000 ¿ 2002.
b.Conduct site-visits and in-person interviews of past participants.
c.Complete a written report on the status of the groups, barriers they are experiencing, impact they are having, and the role of the Program in their effectiveness.

Project Ref	Grantee	Project Name	State
720474	CDFG	Gina¿s Orchard Watershed Education Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	15-MAR-04-31-DEC-04	Public Outreach and Education	$4,700	$0	Northern California Coastal

Project Description

Students will come to Gina¿s Orchard for a hands-on educational experience, learning and assisting in creek and riparian restoration. The 2004-05 program seasons will offer environmental education to approximately 60, 3rd.through 5th grade students, 60 middle and high school students

Project Ref	Grantee	Project Name	State
720478	CDFG	Basins of Relations: Creating Community Watershed Groups	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-MAY-04-31-OCT-04	Public Outreach and Education	$9,999	$0	California

Project Description

Distribute up to 1,500 informational flyers to project area residents and organizations residing in priority watersheds, identify and enroll 20 - 25 participants for the 2004 Basins of Relations Program from high priority salmonid-bearing watersheds, educate students, network with local governments, provide restoration consultation services and resource referrals for landowners

Project Ref	Grantee	Project Name	State
720496	CDFG	CCC Coastal Fisheries Restoration Program Community Education Materi	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-APR-04-31-MAY-04	Public Outreach and Education	$9,998	$0	California

Project Description

Develop three marketing pieces for the CCC¿s Coastal Fisheries Restoration Program. These marketing pieces will include a slide presentation, a tri-fold program brochure with partner information insert, and a tri-fold table top display

Project Ref	Grantee	Project Name	State
703589	CDFG	Salmon Trout Education Program (STEP) For the Restoration and Conser	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Public Outreach and Education	$17,059	$0	California

Project Description

Provide a 2 day training workshop for new STEP teachers to include in-service training/certification and curriculum materials. Provide classroom and hatchery educational presentations. Includes the following counties: Alameda, Contra Costa, Monterey, San Benito, San Francisco, San Mateo, Santa Clara, and Santa Cruz.

Project Ref	Grantee	Project Name	State
703602	CDFG	French Creek Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-15-OCT-03	Public Outreach and Education	$3,100	$0	Klamath

Project Description

Continue to implement a restoration project including a tree planting program on French Creek and educate students and our adult community of habitat requirements and the economic and cultural importance of our salmon population.

Project Ref	Grantee	Project Name	State
703652	CDFG	California Salmonid Stream Habitat Restoration Manual - Upland (Part IX),	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Public Outreach and Education	$12,300	$0	San Joaquin

Project Description

Print copies of Fish Passage, Upslope and Riparian Habitat parts of the California Salmonid Stream Habitat Restoration Manual. To be distributed to current manual holders.

Project Ref	Grantee	Project Name	State
703654	CDFG	Basin of Relations: Creating Community Watershed Groups	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-08-JUL-03	Public Outreach and Education	$21,737	$0	California

Project Description

Improve the health of Sonoma County watersheds through increasing citizen awareness and involvement in habitat restoration. This will be done by developing citizen-based Sonoma County watershed groups that are equipped with the knowledge and skills for facilitate watershed system planning, research and monitoring; community education; and hands-on salmonid habitat restoration projects.

Project Ref	Grantee	Project Name	State
703688	CDFG	Eel River Salmon Restoration Project Education Coordinator	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-02-24-JUN-03	Public Outreach and Education	$49,832	$0	Northern California Coastal

Project Description

Coordinate and implement DFG's "Salmon and Steelhead Go To School" curriculum in K-12 public and private schools in Humboldt and Mendocino Counties. Work with educators and other interested parties by providing additional support and curriculum relating to salmon and watershed issues including workshops, field trips and training in the Project Wild/Aquatic Project Wild curriculum.

Project Ref	Grantee	Project Name	State
703692	CDFG	2003 Salmonid Restoration Conference	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-03-JUN-03	Public Outreach and Education	$7,500	$0	Central California Coastal

Project Description

Improve the technical skills of salmon, steelhead and trout fisheries restoration practitioners, and contractors.

Project Ref	Grantee	Project Name	State
703716	CDFG	Central Coast Salmon Enhancement Education Programs	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-31-MAR-04	Public Outreach and Education	$28,942	$0	Central California Coastal

Project Description

Expand the CCSE Trout in the Classroom Program and Group Presentations into more local schools in San Luis Obispo and northern Santa Barbara Counties. CCSE's programs educate the Central Coast community, especially youth, about the importance of local salmonid species, including steelhead trout and Chinook salmon, and healthy watersheds so that they may become stewards of these natural resources and active in restoration activities.

Project Ref	Grantee	Project Name	State
703733	CDFG	Creek Days, Eel River Environmental Education Fair	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-MAR-02-30-JUN-03	Public Outreach and Education	$3,564	$0	Northern California Coastal

Project Description

Protect and enhance salmon and steelhead habitat by educating approximately 650 local schoolchildren on the dynamics of a healthy watershed in a setting that promotes curiosity and enthusiasm.

Project Ref	Grantee	Project Name	State
703743	CDFG	Etna Union High School District Watershed Education Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-02-30-MAR-04	Public Outreach and Education	$7,041	$0	Klamath

Project Description

Assist the faculty of the Etna Union High School District to continue to participate in watershed restoration and monitoring activities on the Scott River. Goal is to have the Junior High School begin participating in watershed-wide restoration and monitoring programs, and develop this into a self-sustaining program.

Project Ref	Grantee	Project Name	State
704176	CDFG	CCSE Education Programs	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-09-APR-03	Public Outreach and Education	$30,949	$0	Central California Coastal

Project Description

Expand the Central Coast Salmon Enhancement Trout in the Classroom Program and Group Presentations into more local schools in San Luis Obispo and northern Santa Barbara counties.

Project Ref	Grantee	Project Name	State
704187	CDFG	McKenzie Creek Watershed Improvement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-16-MAY-03	Public Outreach and Education	$0	$358,547	Northern California Coastal

Project Description

Implement cost-effective erosion control and erosion prevention work on roads and road segments identified as higher priority treatment sites determined by the comprehensive watershed assessment and inventory project completed in March, 2000. Specifically, storm-proofing (upgrading) a number of open and maintained roads within the Sea View Ranch subdivision will be completed.

Project Ref	Grantee	Project Name	State
704190	CDFG	Lower Scotts and Queseria Creeks Riparian Restoration Project in Souther	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-14-MAY-03	Public Outreach and Education	$0	$68,102	Central California Coastal

Project Description

Restore natural hydrologic functioning to lower Scotts Creek and Queseria Creek by removing channelization devices and creating a riparian corridor for Queseria Creek. One stream crossing removed, 1000 woody perennials planted, 35 eucalyptus trees removed, 750 feet of new channel constructed, 4000 feet of levee breached.

Project Ref	Grantee	Project Name	State
704195	CDFG	Fisheries Habitat Assessment, Rehabilitation and Implementation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-18-APR-03	Public Outreach and Education	$0	$27,556	San Francisco Bay

Project Description

Provide technical training and skills to landowners and land managers in site-specific restoration projects. The plan will be based on salmonid habitat watershed evaluation and assessment, working with the physical, economic and social conditions in the watershed.

Project Ref	Grantee	Project Name	State
704197	CDFG	Forsythe Creek Restoration and Landowner Outreach	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-16-MAY-03	Public Outreach and Education	$79,770	$0	Northern California Coastal

Project Description

Educate landowners through a series of workshops about salmon life history, habitat requirements and restoration techniques, to be followed up with specific restoration projects. Five restoration projects on high priority steam reaches in cooperation with landowners and California Department of Fish and Game planner Bob Coey and staff will be completed (sites yet to be determined).

Project Ref	Grantee	Project Name	State
704203	CDFG	Assessment Plan for the Restoration of Salmonid Habitats throughout the	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-12-MAY-03	Public Outreach and Education	$0	$150,000	Central California Coastal

Project Description

For the Soquel watershed, evaluate existing habitat conditions for fish and wildlife, identify environmental problems that may be causing aquatic and riparian degradation, determine limiting factors to Coho reintroduction, assess conditions for improving steelhead populations, identify specific enhancement projects, stimulate landowner involvement, collect and compile current and past studies throughout the watershed.

Project Ref	Grantee	Project Name	State
704223	CDFG	Population Genetics of Coastal California Steelhead and Coho Salmon	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-21-APR-03	Public Outreach and Education	$0	$116,406	Ventura-San Gabriel Coastal

Project Description

Provide a comprehensive genetic assessment of population structure and demography for coastal populations of Steelhead and Coho Salmon in central California for use in recovery and restoration efforts. It will also provide baseline genetic information for use in future monitoring and propagation efforts.

Project Ref	Grantee	Project Name	State
704230	CDFG	City of Santa Cruz Watershed Management Internship Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-05-AUG-02	Public Outreach and Education	$0	$3,262	Central California Coastal

Project Description

Enhance student watershed management knowledge, and specifically, understanding of processes which affect anadromous fishes by engaging them in multi-disciplinary, project based environmental education curriculum.

Project Ref	Grantee	Project Name	State
704241	CDFG	Upper Mattole Classroom Incubator Program	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-31-MAR-03	Public Outreach and Education	$4,239	$0	Northern California Coastal

Project Description

Provide 3 classroom incubators with chiller units, associated setup and teacher training, in order to enhance existing environmental education programs and curricula.

Project Ref	Grantee	Project Name	State
704243	CDFG	Mattole Salmon Rescue Program, 2001-2002 Season	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-03-FEB-03	Public Outreach and Education	$18,044	$0	Northern California Coastal

Project Description

Continue salmon rescue operations as previously approved in the Five-Year Management Plan; trapping/egg taking, surveys, egg incubation, rearing, marking, release; classroom programs, monitoring and education activities.

Project Ref	Grantee	Project Name	State
704255	CDFG	Fort Seward Ranch Property: Erosion Control Implementation Planning	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-APR-01-04-APR-03	Public Outreach and Education	$0	$145,255	Northern California Coastal

Project Description

Conduct a watershed assessment for sediment sources; develop a site-specific and prioritized plan for cost-effective erosion prevention, erosion control and habitat restoration in a 30,000-acre portion of the Main Stem and South Fork, Eel River between Ft. Seward and Phillipville, CA.

Project Ref	Grantee	Project Name	State
704266	CDFG	Redwood House Road Inventory	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Public Outreach and Education	$0	$38,080	Northern California Coastal

Project Description

Conduct a road inventory to obtain a database of sediment sources and chronic non-point source erosion problems on the active and abandoned road network within the project area.

Project Ref	Grantee	Project Name	State
704287	CDFG	Sonoma Creek Steelhead Education Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-09-MAY-03	Public Outreach and Education	$0	$22,932	San Francisco Bay

Project Description

To teach students about the Sonoma Creek Watershed by examining the life cycle and habitat requirements of steelhead trout.

Project Ref	Grantee	Project Name	State
704289	CDFG	Pena Creek Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Public Outreach and Education	$0	$18,047	Northern California Coastal

Project Description

Improve juvenile Coho salmon and steelhead trout habitat in Pena Creek. This will be achieved by excluding livestock from the stream channel, installing bank stabilization structures, and replanting native plant species.

Project Ref	Grantee	Project Name	State
704291	CDFG	Indian Valley Conservation Education Center	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-31-MAR-03	Public Outreach and Education	$15,000	$0	Klamath

Project Description

To develop and operate a regional Conservation Education Center to educate rural and urban youth in watershed management, fisheries biology, sustainable forestry, and wildlife biology in a service-learning program that integrates educational curricula with field projects in ecosystem management, monitoring, and research.

Project Ref	Grantee	Project Name	State
704309	CDFG	Santa Cruz County Stream Habitat Outreach	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-06-MAY-03	Public Outreach and Education	$0	$37,530	Central California Coastal

Project Description

Update and distribute the Stream Care Guide; sponsor a workshop for contractors and engineers on fish-friendly streambank stabilization projects.

Project Ref	Grantee	Project Name	State
704319	CDFG	Erosion Control Technical Training	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-04-APR-03	Public Outreach and Education	$0	$21,350	Central California Coastal

Project Description

Provide anadromous fish habitat degradation prevention courses to Santa Cruz County Public Works maintenance, inspection, and design personnel, and others.

Project Ref	Grantee	Project Name	State
704333	CDFG	Hulls Valley Creek Assessment and Planning Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-16-APR-03	Public Outreach and Education	$0	$20,997	Northern California Coastal

Project Description

Assess the riparian corridor and instream habitat conditions. 1) Habitat typing report of Hulls Valley Creek 2) Quantify channel length with and without riparian vegetation 3) Star worksheet Assessment report on road and culvert location and conditions; prescriptions included 4) Gather all landowners, fully inform them of the work being down, gather support for restoration projects 5) Create final report.

Project Ref	Grantee	Project Name	State
704337	CDFG	Ackerman Creek Road Sediment Control	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-17-DEC-02	Public Outreach and Education	$0	$128,142	Northern California Coastal

Project Description

Sediment control treatments at four sites: remove/upgrade failed culverts, rock armor outlets, replace culvert with a bridge, install a cross drain culvert and remediate a large gully along the road.

Project Ref	Grantee	Project Name	State
704344	CDFG	Klamath River Basin Fish and Water Management Symposium	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	06-MAR-01-28-OCT-02	Public Outreach and Education	$0	$5,000	Northern California Coastal

Project Description

Create forum for management agencies, law makers, property owners to meet/share data on policy, regulation, science, planning and protection of Klamath Basin resources.

Project Ref	Grantee	Project Name	State
704352	CDFG	Upper South Fork Trinity River Watershed Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	23-APR-01-06-DEC-02	Public Outreach and Education	$0	$210,293	Klamath

Project Description

Implement sediment reducing watershed restoration activities on the road network on US Forest Service lands in the Upper South Fork Trinity River Watersheds as recommended by road inventories, Watershed Analysis, and Environmental Assessment.

Project Ref	Grantee	Project Name	State
704364	CDFG	2002 Salmonid Restoration Conference	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-00-31-MAR-03	Public Outreach and Education	$5,000	$5,000	Northern California Coastal

Project Description

Organization of the 2002 Salmonid Restoration Conference, which serves to improve the technical skills of salmon, steelhead and trout fisheries restoration practitioners and contractors through their participation in this event.

Project Ref	Grantee	Project Name	State
704369	CDFG	Kelly Creek Riparian Enhancement Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-MAY-03-11-MAR-03	Public Outreach and Education	$0	$8,790	Northern California Coastal

Project Description

Enhance riparian corridor by providing a major conifer component to 4000 feet of Kelly Creek to stabilize stream banks and provide future recruitment of large woody debris. 2500 conifers will be planted on 20 acres of stream terraces and 20-25% of the alder canopy will be modified to reduce competition and promote maximum growth.

Project Ref	Grantee	Project Name	State
704378	CDFG	Salmonid and Riparian Habitat Education Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-30-MAY-03	Public Outreach and Education	$0	$18,271	Klamath

Project Description

To develop and implement an educational program in the Weaverville Elementary School Sixth Grade Environmental Education Camp curriculum that directly supports salmonid habitat protection and restoration efforts that are occurring within Trinity River Watershed through hands-on field exercises by local professionals engaged in habitat assessment and restoration.

Project Ref	Grantee	Project Name	State
704379	CDFG	Fish Kill Emergency Response Training	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-31-MAR-03	Public Outreach and Education	$22,308	$9,846	Northern California Coastal

Project Description

Agency and tribal staff will be trained to proficiently participate in a Fish Kill Emergency Response Team to recognize the early stages of deleterious aquatic conditions for salmonids and other aquatic organisms, and to respond to, scientifically investigate, and document fish kill events.

Project Ref	Grantee	Project Name	State
704391	CDFG	French Creek Restoration Project	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-01-28-APR-03	Public Outreach and Education	$0	$3,600	Klamath

Project Description

Continue to implement a restoration project including a tree planting program on French Creek and educate students and the adult community of habitat requirements and the economic and cultural importance of the salmon population.

Project Ref	Grantee	Project Name	State
704392	CDFG	Siskiyou County Creek Restoration and Aquarium Incubator Extension Pro	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	15-JUN-01-30-APR-03	Public Outreach and Education	$0	$24,292	Upper Sacramento

Project Description

Promote river and stream restoration and a stewardship ethic among students; increase student understanding of ecosystem function; better understand habitat requirements of anadromous fish; promote awareness of human impacts on habitat.

Project Ref	Grantee	Project Name	State
704413	CDFG	Classroom Salmon and Steelhead Trout Incubation	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-20-MAY-03	Public Outreach and Education	$0	$1,970	Northern California Coastal

Project Description

The objective of this proposal is to enlighten students to understand and appreciate salmonid life cycles as related to critical habitat needs. This will be accomplished by giving presentations on salmonid life cycles and critical habitat needs.

Project Ref	Grantee	Project Name	State
704415	CDFG	Completion of Fish Passage Evaluation Protocol for "Section 10 of Californ	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-01-31-DEC-01	Public Outreach and Education	$16,390	$0	San Joaquin

Project Description

To complete preparation of a camera-ready copy (in hard and electronic) of Section 10 of the California Salmonid Stream Habitat Restoration Manual.

Project Ref	Grantee	Project Name	State
704416	CDFG	Fish Passage Workshops	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-01-31-MAR-03	Public Outreach and Education	$93,734	$0	California

Project Description

Train up to 450 people coast wide to be proficient in CDFG's newly adopted fish passage protocols.

Project Ref	Grantee	Project Name	State
704422	CDFG	Cooper Creek Stream Restoration	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-01-01-APR-03	Public Outreach and Education	$9,669	$0	Northern California Coastal

Project Description

Stabilize 520 feet of bank along Cooper Creek. This will be accomplished by outsloping and willow mattressing on 100 foot section of bank; constructing a 300 foot section of willow wall armored every 50 feet with rock. Two small pockets will be armored with rock.

Project Ref	Grantee	Project Name	State
704427	CDFG	Eel River Salmon Restoration Project Education Coordinator	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Public Outreach and Education	$0	$47,400	Northern California Coastal

Project Description

Coordinate and implement the "Salmon and Steelhead Go To School" curriculum in K-12 public and private schools in Humboldt and Mendocino counties. To work with educators and other interested parties by providing additional support and curriculum relating to salmon and watershed issues including workshops, field trips, video and slide shows, and training. To link all schools involved in the program. To secure additional funding for the program and further equipment upgrades.

Project Ref	Grantee	Project Name	State
704429	CDFG	"Roads, Sediment and Salmon" Workshops	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Public Outreach and Education	$0	$6,288	Northern California Coastal

Project Description

To enhance, restore and protect salmonid species by providing rural landowners with technical training to improve and maintain roads and thereby reduce the sedimentation of salmonid streams in the South Fork Eel River and its tributaries.

Project Ref	Grantee	Project Name	State
704436	CDFG	Commercial Salmon Stamp Booklet and Website	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-AUG-01-10-JUN-03	Public Outreach and Education	$0	$28,000	San Joaquin

Project Description

The Salmon Trollers Advisory Committee seeks to contract with the California Salmon Council to revise the Commercial Salmon Stamp booklet and to develop a website to promote the work of the committee's programs.

Project Ref	Grantee	Project Name	State
704441	CDFG	Watershed Coordinator for Napa County	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-MAY-01-28-APR-03	Public Outreach and Education	$0	$98,215	San Francisco Bay

Project Description

Plan, develop, and implement a Watershed Master Plan for Napa County.

Project Ref	Grantee	Project Name	State
704657	CDFG	2001 Chinook Salmon Enhancement	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Public Outreach and Education	$0	$7,003	Central California Coastal

Project Description

Increase the numbers of adult Chinook salmon to enhance the sport and commercial fishing opportunities in the Monterey Bay region.

Project Ref	Grantee	Project Name	State
720027	CDFG	Southern California Steelhead Poster	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JAN-03-11-MAR-03	Public Outreach and Education	$0	$902	California

Project Description

Produce and circulate educational poster (10 laminated copies)

Project Ref	Grantee	Project Name	State
AK45517	ADFG	United Fishermen of Alaska Subsistence Program	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Public Outreach and Education	$98,453	$0	Alaska

Project Description

The goal of this project is to foster public awareness and involvement in, the federal subsistence regulatory and management programs in Alaska. The value to the public derives from a better understanding of subsistence regulations, and an increased participation of the general public in the regulatory process, resulting in improved coordination between State and Federal subsistence management.

Project Ref	Grantee	Project Name	State
AK45453	ADFG	UFA Subsistence Program	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Public Outreach and Education	$99,000	$0	Alaska

Project Description

Foster public awareness and involvement in the federal subsistence regulatory and management programs in Alaska. The value to the public derives from a better understanding of subsistence regulations and increased participation in the regulatory process, resulting in improved coordination between state and federal management.

Project Ref	Grantee	Project Name	State
AK45454	ADFG	Asian Salmon Marketing	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Public Outreach and Education	$599,254	$0	Alaska

Project Description

Fund a development specialist to work in Korea, Taiwan, and Hong Kong to facilitate sales by introducing buyers and sellers with a focus on moving large volumes from the most troubled salmon species (pink and chum). Educate the public, restaurant and institutional consumers, and importers about the advantages of Alaska's products and educate suppliers about Asian markets.

Project Ref	Grantee	Project Name	State
AK45461	ADFG	Fisheries Project and Issues Coordination	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Public Outreach and Education	$173,649	$0	Alaska

Project Description

Funds the Special Assistant to the Commissioner for efforts related to State participation in Pacific Norhtwest salmon Endangered Species Act issues; oversight of Alaska's utilization of PCSRF funding; and advisory support to the Commissioner.

Project Ref	Grantee	Project Name	State
AK45465	ADFG	Technical Assistance - Project Administration	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Public Outreach and Education	$135,000	$0	Alaska

Project Description

Staff project review and recommendation processes and track project expenditures monthly. Responsible for project set-up and associated approvals, reporting, notification, and evaluation. Coordinate with the Division of Admin to ensure state and federal compliance.

Project Ref	Grantee	Project Name	State
AK45205	ADFG	UFA - Subsistence Education	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-01-DEC-03	Public Outreach and Education	$250,000	$0	Alaska

Project Description

Funds subsistence management information program to educate the public about subsistence regulations and the regulatory process. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45206	ADFG	Legislative Salmon Task Force	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUL-02-01-MAY-04	Public Outreach and Education	$368,440	$0	Alaska

Project Description

Hold public meetings and report to the Legislature on industry and legislative changes needed to help ensure a successful salmon industry in Alaska

Project Ref	Grantee	Project Name	State
AK45207	ADFG	Technical Assistance - Planning	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-01-JUN-06	Public Outreach and Education	$225,000	$0	Alaska

Project Description

Economic and scientific planning for the SSSF process

Project Ref	Grantee	Project Name	State
AK45208	ADFG	Technical Assistance - Economics	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-02-01-JUN-06	Public Outreach and Education	$208,134	$0	Alaska

Project Description

Economic analysis and SSSF project management

Project Ref	Grantee	Project Name	State
AK45261	ADFG	Technical Assistance-Industry Plan	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JAN-03-01-JUN-05	Public Outreach and Education	$69,366	$0	Central Southeast Alaska

Project Description

Support to the SSSF program, to ensure that the SE AK salmon industry remains sustainable and that the highest priority issues and information needs are addressed

Project Ref	Grantee	Project Name	State
AK45266	ADFG	Fisheries Project and Issues Coordination	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-03-01-JUN-07	Public Outreach and Education	$250,000	$0	Alaska

Project Description

Track and coordinate Pacific Northwest ESA salmon issues as they relate to Alaska, oversee Alaska's utilization of PCSRF (SSSF) funds, and provide fisheries issues assistance to the Comissioner. Congressional Mandated project.

Project Ref	Grantee	Project Name	State
AK45283	ADFG	Salmon Publication and Teacher's Guide Distribution	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Public Outreach and Education	$41,200	$0	Alaska

Project Description

SSSF project 45029 funded the production of "Alaska's Wild Salmon" and the associated teacher's guide. This project is to ensure adequate funding remains available for distribution and possible reprinting of this volume. The net cost is zero as the original project 45029 is being reduced by $41,200.00.

Project Ref	Grantee	Project Name	State
AKTBD2	ADFG	Board of Fisheries Salmon Process Restructuring	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Public Outreach and Education	$301,060	$0	Alaska

Project Description

Determination in process.

Project Ref	Grantee	Project Name	State
AK45115	ADFG	Salmon Education Needs Assessment	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-FEB-03-01-APR-03	Public Outreach and Education	$4,027	$0	Central Southeast Alaska

Project Description

Inventory curricula about Alaska's wild salmon and salmon industry that are currently available in SE AK schools, conduct needs assessment for new materials, and identify training requirements

Project Ref	Grantee	Project Name	State
AK45301	ADFG	Technical Assistance to SSSF	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-02-01-JUN-04	Public Outreach and Education	$17,453	$0	Central Southeast Alaska

Project Description

Assist the Science Coordination Panel in developing and implementing the annual sustainable salmon plans and ensuring coordination among salmon projects; coordinate with other salmon funds (e.g. EVOS, NPRB, Northern Fund); assist with reports and information requests for the program.

Project Ref	Grantee	Project Name	State
AK45007	ADFG	Instream Flow and Other Salmon Habitat Needs (was $210,000)	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-NOV-01-01-JAN-03	Public Outreach and Education	$73,363	$0	Central Southeast Alaska

Project Description

Facilitate interdepartmental coordination to meet habitat needs of salmon stocks

Project Ref	Grantee	Project Name	State
AK45011	ADFG	Stakeholder	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-NOV-00-01-OCT-05	Public Outreach and Education	$400,000	$0	Central Southeast Alaska

Project Description

Coordination and outreach for SSSF processes benefiting salmon stocks and fisheries

Project Ref	Grantee	Project Name	State
AK45029	ADFG	Salmon Publication and Teacher's Guide	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-01-DEC-03	Public Outreach and Education	$144,200	$0	Alaska

Project Description

Update the Alaska Salmon publication with information on the interaction of salmon and their habitats and how Alaska has worked to maintain healthy salmon stocks

Project Ref	Grantee	Project Name	State
AK45031	ADFG	Oceans and Watersheds Symposium EVOS	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-DEC-01-01-DEC-02	Public Outreach and Education	$48,035	$0	Alaska

Project Description

Bring together scientists and interested Alaskans to further our understanding of the oceans and watersheds that support salmon

Project Ref	Grantee	Project Name	State
AK45032	ADFG	Sheldon Jackson Wetlab	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-02-01-JUN-05	Public Outreach and Education	$20,898	$0	Central Southeast Alaska

Project Description

Educate both students and visitors about Pacific salmon, their habitats, and their sustainability

Project Ref	Grantee	Project Name	State
AK45033	ADFG	Fisheries Education Signage Sitka Harbor	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-02-01-JUN-05	Public Outreach and Education	$8,240	$0	Central Southeast Alaska

Project Description

Install informative signs in visitor traffic areas of the Sitka harbors

Project Ref	Grantee	Project Name	State
AK45035	ADFG	Information Development and Exchanges	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-FEB-02-01-DEC-03	Public Outreach and Education	$145,487	$0	Central Southeast Alaska

Project Description

Develop information exchanges among CRITFC, the State of Alaska, and Alaska Native organizations to help build ties

Project Ref	Grantee	Project Name	State
AK45038	ADFG	Technical Assistance to SSSF Project	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUL-01-01-JUN-03	Public Outreach and Education	$102,003	$0	Central Southeast Alaska

Project Description

Provide technical assistance and scientific expertise to the agency's sustainable salmon initiative, with focus on Southeast Sustainable Salmon Fund

Project Ref	Grantee	Project Name	State
AK45039	ADFG	Deer Mountain Tribal Hatchery Educational Raceway	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JAN-02-31-JUL-05	Public Outreach and Education	$46,350	$0	Central Southeast Alaska

Project Description

Design and installation of an educational raceway at the tribal hatchery, which will serve to educate the public about salmon and their habitat needs.

Project Ref	Grantee	Project Name	State
AK45054	ADFG	Assoc. Applied Science in Fisheries Technology UAS	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-AUG-01-01-JUN-04	Public Outreach and Education	$140,490	$0	Central Southeast Alaska

Project Description

Establish an education program to develop well-rounded fisheries technicians with a broad background in the practical and academic skills of fish and invertebrate culture

Project Ref	Grantee	Project Name	State
AK45072	ADFG	Information Exchanges	Alaska

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Public Outreach and Education	$51,500	$0	Southern Southeast Alaska

Project Description

Continue to facilitate exchanges between organizations having shared interests in Pacific Salmon in the Pacific Northwest and Southeast Alaska. Complete and distribute video and associated written materials regarding shared salmon resources.

Project Ref	Grantee	Project Name	State
04-admn	WA IAC	Pacific Coastal Salmon Recovery Fund Program Coordination and Admini	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-OCT-03-30-SEP-04	Program Administration	$752,462	$0	Washington

Project Description

-

Project Ref	Grantee	Project Name	State
03-admn	WA IAC	Pacific Coast Salmon Recovery Fund Program Coordination and Administr	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-OCT-02-30-SEP-03	Program Administration	$964,608	$0	Washington

Project Description
-

Project Ref	Grantee	Project Name	State
02-admn	WA IAC	Pacific Coast Salmon Recovery Fund Program Coordination and Administr	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-01-30-SEP-02	Program Administration	$1,014,000	$0	Washington

Project Description
-

Project Ref	Grantee	Project Name	State
01-admn	WA IAC	Pacific Coast Salmon Recovery Fund Program Coordination and Administr	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-00-30-SEP-01	Program Administration	$357,000	$0	Washington

Project Description
-

Project Ref	Grantee	Project Name	State
00-admn	WA IAC	Pacific Coast Salmon Recovery Fund Program Coordination and Administr	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-99-30-SEP-00	Program Administration	$178,500	$0	Washington

Project Description
-

Project Ref	Grantee	Project Name	State
Siletz-Admin-200	Siletz	Grant Administration Costs	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Program Administration	$3,750	$0	Northern Oregon Coastal

Project Description
-

Project Ref	Grantee	Project Name	State
Siletz-Admin-200	Siletz	Grant Administration Costs	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Program Administration	$2,500	$0	Northern Oregon Coastal

Project Description
-

Project Ref	Grantee	Project Name	State
SB-Admin-2001	Shoshone-Bannock	Grant Administration Costs	Idaho

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Program Administration	$10,350	$0	Salmon

Project Description
-

Project Ref	Grantee	Project Name	State
23 370 00	Round Valley	Heavy Equipment Purchase & Modification	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Program Administration	$48,000	$0	California

Project Description
-

Project Ref	Grantee	Project Name	State
23 370 04	Round Valley	Contractual Support	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Program Administration	$1,821	$0	California

Project Description

Contractual Support is going to be required for GIS, Archaelology and mapping needs for this year's projects and reports.

Project Ref	Grantee	Project Name	State
OWEB 204-930	OWEB	OWEB PCSRF Federal Admin - FFY 2004	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUL-04-30-SEP-08	Program Administration	$345,000	$0	Willamette

Project Description

OWEB PCSRF Federal Admin FFY 2004. Grant authorized $371,420 - LAB allowed $291,000 to support an Information Specialist 7 for the development of statewide data protocols, an Office Specialist 1 for half time office support, and Accounting Technician 3 for half time fiscal support and the remaining funds to database needs. $80,420 has been allocated to grants.

Project Ref	Grantee	Project Name	State
OWEB Adm-200	OWEB	OWEB Administrative Overhead 2003	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-30-SEP-07	Program Administration	$291,000	$0	Oregon

Project Description

These funds are allocated to support an Information Specialist 7 for the development of statewide data protocols, an Office Specialist for half time office support, an Accounting Technician 3 for half time fiscal support and the remaining funds to database needs.

Project Ref	Grantee	Project Name	State
OWEB Adm-200	OWEB	OWEB Administrative Overhead 2002	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-AUG-02-30-SEP-04	Program Administration	$510,000	$0	Oregon

Project Description

These funds are used to support the Grants Program Manager July 2003 thru June 2005. The remaining funds are allocated for database needs.

Project Ref	Grantee	Project Name	State
OWEB Adm-200	OWEB	OWEB Administrative Overhead 2001	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUN-01-30-JUN-03	Program Administration	$267,000	$0	Oregon

Project Description

Funds supported the grants program manager and an information specialist 8 (ISS8). The ISS8 was responsible for developing a statewide strategy for standardizing natural resource data.

Project Ref	Grantee	Project Name	State
OWEB Adm-200	OWEB	OWEB Administrative Overhead 2001	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	10-OCT-01-30-JUN-04	Program Administration	$183,195	$0	Oregon

Project Description

These funds were used to support various costs such as: perforamance measurment development, a temp hired for monitoring work, six months of fiscal support, a temp hired for office support, server storage costs, and misc program travel expenditures.

Project Ref	Grantee	Project Name	State
2004-3-03	CRITFC Warm Springs Tribes	Staff Support for CSRF Project Proposal	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-DEC-05	Program Administration	$46,365	$0	Oregon

Project Description

The Confederated Tribes of the Warm Springs Reservation of Oregon (CTWSRO) propose to fund four months of Fisheries Program Manager and two months of the Fiscal Officer to assist with coordination and implementation of PCSRF projects. Partial funding of these positions will ensure the Program Manager would be ressponsible for coordinating and implementing the program. The Fiscal Officer would provide budget monitoring and fiscal administration for the program.

Project Ref	Grantee	Project Name	State
730002	CDFG	Pacific Coast Salmon Recovery Fund Program Coordination and Administr	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-OCT-00-30-SEP-01	Program Administration	$452,592	$0	California

Project Description

-

Project Ref	Grantee	Project Name	State
OWEB Adm-200	OWEB	OWEB Administrative Overhead 2000	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-31-JUL-02	Program Administration	$270,000	$0	Oregon

Project Description

All funds were spent on fiscal support of OWEB's grant program.

Project Ref	Grantee	Project Name	State
2003-quil-3	NWIFC Quileute Tribe	Managerial Planning	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-JUL-03-31-MAR-05	Program Administration	$118,407	$0	Washington Coastal

Project Description

Same as proposed.

Project Ref	Grantee	Project Name	State
NWIFC Admin-4	NWIFC	Pacific Coast Salmon Recovery Fund Program Coordination and Administr	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Program Administration	$500,000	$0	Washington

Project Description

-

Project Ref	Grantee	Project Name	State
NWIFC Admin-3	NWIFC	Pacific Coast Salmon Recovery Fund Program Coordination and Administr	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Program Administration	$650,000	$0	Washington

Project Description

-

Project Ref	Grantee	Project Name	State
NWIFC Admin-2	NWIFC	Pacific Coast Salmon Recovery Fund Program Coordination and Administr	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Program Administration	$350,000	$0	Washington

Project Description
-

Project Ref	Grantee	Project Name	State
NWIFC Admin-1	NWIFC	Pacific Coast Salmon Recovery Fund Program Coordination and Administr	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Program Administration	$300,000	$0	Washington

Project Description
-

Project Ref	Grantee	Project Name	State
KRITFWC admin	KRITFWC	KRITFWC administration	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	-- -	Program Administration	$173,416	$0	-

Project Description
-

Project Ref	Grantee	Project Name	State
KRITFWC admin	KRITFWC	KRITFWC administration	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	-- -	Program Administration	$240,300	$0	-

Project Description
-

Project Ref	Grantee	Project Name	State
KRITFWC admin	KRITFWC	KRITFWC administration	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	-- -	Program Administration	$160,000	$0	-

Project Description
-

Project Ref	Grantee	Project Name	State
KRITFWC admin	KRITFWC	KRITFWC administration	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Program Administration	$115,624	$0	-

Project Description
-

Project Ref	Grantee	Project Name	State
KRITFWC-Admin	KRITFWC	Grant Administration Costs	California

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Program Administration	$2,500	$0	Klamath

Project Description
-

Project Ref	Grantee	Project Name	State
046 04 SC	ID OSC	OSC PCSRF Administration Assistance	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-NOV-04-01-FEB-06	Program Administration	$98,250	$25,000	Idaho

Project Description

The State of Idaho was included in the allocation of PCSRF funds for the first time in FY 2004. The Idaho Office of Species Conservation (OSC) entered into an MOU with the NOAA Fisheries to serve as the recipient and administrator of the PCSRF funds and to disburse funds through written sub-agreements with funded applicants (sub-grantees). The Office of Species Conservation convened a board (Board) to allocate Idaho's portion of the PCSRF. Based on the Board's review of project proposals funds allocated for Idaho's portion of the PCSRF will be distributed among approximately 21 sub grantees.

Activities completed through this project will provide the OSC with assistance in meeting the administrative requirements of the PCSRF in a cost-effective and efficient manner. Tasks completed under this project will include coordination, administration and oversight activities necessary to ensure that the PCSRF sub-grantees approved by the Board are provided with - and provide - information, reports, documentation, invoicing, and participation necessary to meet NOAA Fisheries' PCSRF requirements.

The administrative requirements associated with the PCSRF include, but are not limited to, semi-annual and annual reporting, maintenance of a web-based performance progress metrics spreadsheet for each project, coordination with NOAA Fisheries personnel, attendance at periodic meetings and workshops, and adaptation to new and evolving reporting requirements.

Timely completion of the required reports, ongoing coordination with project sub-grantees, and oversight of sub-grantees to ensure that fiscal and other project level reporting requirements are met, is essential to the successful administration of the PCSRF funds. Implementation of this project and will provide indirect contribution towards recovery of Snake River Basin ESU steelhead and Snake River ESU spring/summer run Chinook salmon.

Project Ref	Grantee	Project Name	State
GR-Admin-2001	Grand Ronde	Grant Administration Costs	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Program Administration	$3,750	$0	Willamette

Project Description

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Project Ref	Grantee	Project Name	State
GR-Admin-2000	Grand Ronde	Grant Administration Costs	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Program Administration	$2,500	$0	Willamette

Project Description

-

Project Ref	Grantee	Project Name	State
2004-4-09	CRITFC Yakama Tribes	PCSRF Administration Assistance and Yakama Nation Staff Coordination	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-DEC-05	Program Administration	$8,754	$0	Washington

Project Description

Administrative assistance and bookkeeping for proposed and on-going projects, and staff coordination for future PCSRF activities.

Project Ref	Grantee	Project Name	State
2004-2-07	CRITFC Umatilla Tribes	Staff Support for PCSRF Project Coordination, Conultation & Outreach	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-DEC-05	Program Administration	$70,935	$0	Middle Columbia

Project Description

CTUIR propose to fund staff support to assist with implementation of PCSRF projects and to coordinate ESA consultation support on all Pacific salmon related projects implemented by the CTUIR. CTUIR projects have generally not included the staff time that is associated with project planning, implementation, compliance and reporting. Esisting staffing levels have proven to be a factor limiting the effectiveness of implementaion under the PCSRF. In addition, project coordination will include effort to provide education and outreach regarding CTUIR fish and wildlife projects and benefits.

Project Ref	Grantee	Project Name	State
2003-2-05	CRITFC Umatilla Tribes	Staff Support for PCSRF Project Coordination, Consultation & Outreach	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-NOV-03-31-DEC-05	Program Administration	$77,185	$0	Middle Columbia

Project Description

The Confederated Tribes of the Umatilla Indian Reservation propose to fund one half FTE of staff support to assist with implementation of PCSRF projects and to provide ESA consultation support on all Pacific salmon related projects implemented by the CTUIR.

In addition, project coordination will include effort to provide education and outreach regarding CTUIR Fish and Wildlife projects.
In addition, project coordination will include effort to provide education and outreach regarding CTUIR Fish and Wildlife projects.

Project Ref	Grantee	Project Name	State
2004-5-05	CRITFC	Coordination of the Pacific Coastal Salmon Recovery Fund V	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2004	01-JUN-04-31-DEC-05	Program Administration	$139,994	$0	Oregon - Washington

Project Description

Coordination of the PCSRF for CRITFC tribes is a necessary function. Efficiency and compliance are critical functions for the long-term sustainability of this funding opportunity. Successful completion of tribal and CRITFC projects increases the potential for multi-year funding. Primary duties include writing and amending subcontracts with the tribes, submitting progress reports and assisting in the project selection process, creating GIS maps of project sites and publication of a brochure/magazine. Duties also include budget management for nearly 100 PCSRF projects. Coordinate all tribal and CRITFC projects for FY 2003 in compliance with NOAA MOU requirements, resulting in many projects dealing with salmon restoration being initiated and implemented throughout the Columbia Basin. New efforts will include the reporting of Performance Measures required by NOAA and participation in regional monitoring and evaluation efforts. The need for an electronic database and project/database assistant is apparent due to the new NOAA Fisheries requirements and audit compliance requirements. A project/database assistant will be hired (cost shared with BPA) to assist in the coordination of the database, development of reports and management of official documents.

Project Ref	Grantee	Project Name	State
2003-5-05	CRITFC	Coordination of the Pacific Coastal Salmon Recovery Fund IV	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2003	01-SEP-03-31-DEC-05	Program Administration	$155,294	$0	Willamette

Project Description

Coordination of the PCSRF for CRITFC tribes is a necessary function. Efficiency and compliance are critical functions for the long-term sustainability of this funding opportunity. Successful completion of tribal and CRITFC projects increases the potential for multi-year funding.

Primary duties include writing and amending subcontracts with the tribes, submitting progress reports and assisting in the project selection process, assist in the creation of GIS maps of project sites and publication of a brochure. Duties also include budget management for 123 PCSRF projects. Coordinate all tribal and CRITFC projects for FY 2000-2004 in compliance with NOAA MOU requirements, resulting in many projects dealing with salmon restoration being initiated and implemented throughout the Columbia Basin. New efforts will include the reporting of Performance Measures required by NOAA and participation in regional monitoring and evaluation efforts.

The online database is updated on a semi-annual basis with the NOAA Fisheries requirements and audit compliance requirements. A project/database assistant has been hired (cost shared with BPA) to assist in the coordination of the database, development of reports and management of official documents.

Project Ref	Grantee	Project Name	State
2002-5-02	CRITFC	Pacific Coastal Salmon Recovery Fund Coordination III	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-JUN-02-01-SEP-03	Program Administration	$85,000	$0	Willamette

Project Description

Coordination of the PCSRF for CRITFC tribes is a necessary function. Efficiency and compliance are critical functions for the long-term sustainability of this funding opportunity. Successful completion of tribal and CRITFC projects increases the potential for multi-year funding. Primary duties include writing and amending subcontracts with the tribes, submitting progress reports and assisting in the project selection process, creating GIS maps of project sites and publication of a brochure/magazine. Duties also include budget management for 68 PCSRF projects. Coordinated all tribal and CRITFC projects for FY 2002 in compliance with NOAA MOU requirements resulting in many projects dealing with salmon restoration being initiated and implemented throughout the Columbia Basin.

Project Ref	Grantee	Project Name	State
2001-5-01	CRITFC	Pacific Coastal Salmon Recovery Fund Coordination II	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	01-JUL-01-01-JUN-02	Program Administration	$68,955	$0	Willamette

Project Description

Coordination of the PCSRF for CRITFC tribes is a necessary function. Efficiency and compliance are critical functions for the long-term sustainability of this funding opportunity. Successful completion of tribal and CRITFC projects increases the potential for multi-year funding. Primary duties include writing and amending subcontracts with the tribes, submitting progress reports and assisting in the project selection process.

Project Ref	Grantee	Project Name	State
2000-5-01	CRITFC	Pacific Coastal Salmon Recovery Fund Coordination	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-JUN-00-01-JUN-01	Program Administration	$60,000	$0	Willamette

Project Description

Coordination of the PCSRF for CRITFC tribes is a necessary function. Efficiency and compliance are critical functions for the long-term sustainability of this funding opportunity. Successful completion of tribal and CRITFC projects increases the potential for multi-year funding. Primary duties include writing and amending subcontracts with the tribes, submitting progress reports and assisting in the project selection process.

Project Ref	Grantee	Project Name	State
Coquille-Admin-2	Coquille	Grant Administration Costs	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Program Administration	$3,750	$0	Southern Oregon Coastal

Project Description
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Project Ref	Grantee	Project Name	State
Coquille-Admin-2	Coquille	Grant Administration Costs	Oregon

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Program Administration	$2,500	$0	Southern Oregon Coastal

Project Description
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Project Ref	Grantee	Project Name	State
Colville-Admin-20	Colville	Grant Administration Costs	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Program Administration	$23,175	$0	Upper Columbia

Project Description
-

Project Ref	Grantee	Project Name	State
Chehalis-Admin-	Chehalis	Grant Administration Costs	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2001	-- -	Program Administration	$3,750	$0	Washington Coastal

Project Description
-

Project Ref	Grantee	Project Name	State
Chehalis-Admin-	Chehalis	Grant Administration Costs	Washington

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	-- -	Program Administration	$2,500	$0	Washington Coastal

Project Description
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Project Ref	Grantee	Project Name	State
730002	CDFG	Pacific Coast Salmon Recovery Fund Program Coordination and Administr	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2002	01-OCT-01-30-SEP-02	Program Administration	$508,500	$0	California

Project Description
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Project Ref	Grantee	Project Name	State
730001	CDFG	Pacific Coast Salmon Recovery Fund Program Coordination and Administr	-

Fiscal Year	Start - End Dates	PCSRF Objective	Federal Funds	State Funds	Basin (3rd Field HUC)
2000	01-OCT-99-30-SEP-00	Program Administration	$270,000	$0	California

Project Description
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