



Terry Tamminen
Secretary for Environmental
Protection

State Water Resources Control Board

Executive Office

1001 I Street • Sacramento, California 95814 • (916) 341-5615
Mailing Address: P.O. Box 100 • Sacramento, California • 95812-0100
Fax (916) 341-5621 • <http://www.swrcb.ca.gov>



Arnold Schwarzenegger
Governor

SEP 3 2004

Mr. Larry Week, Chief
Native Anadromous Fish and Watershed Branch
Department of Fish and Game
830 S Street
Sacramento, CA 95814

Dear Mr. Week:

ORDER FOR TECHNICALLY CONDITIONED WATER QUALITY CERTIFICATION (CERTIFICATION): CALIFORNIA DEPARTMENT OF FISH AND GAME, 2003 AND 2004 FISHERIES RESTORATION GRANTS PROGRAM (CORPS SAN FRANCISCO DISTRICT FILE #223232N; CORPS LOS ANGELES DISTRICT FILE #200301123)

This Certification responds to your June 14, 2004 letter requesting reactivation of the Department of Fish and Game's (DFG) application for Clean Water Act (CWA) section 401 Water Quality Certification for the 2003 and 2004 Fisheries Restoration Grant Program (FRGP). The FRGP funds projects to restore anadromous fisheries habitat in non-tidal reaches of rivers and streams, improve watershed conditions impacting salmonid streams, and otherwise improve the survival, growth, migration, and reproduction of anadromous fish. The FRGP is described further in Enclosure 1. This Certification authorizes the one hundred fifty-five (155) restoration projects funded through FRGP's 2003 and 2004 grant cycles, as listed in Enclosure 2 to this Certification. Only restoration projects consistent with DFG's "*California Salmonid Stream Habitat Restoration Manual*" (3rd Edition, January 1998) are funded by the grant program. The FRGP area is mapped in Enclosure 3. Future FRGP projects that have not yet been subject to environmental analysis pursuant to the California Environmental Quality Act (CEQA) will require separate Certification or amendment of this Certification. This Certification applies to discharges to waters of the United States which are permitted by the U.S. Army Corps of Engineers. Other activities are subject to the provisions of California Water Code section 13260, requiring that a report of waste discharge be filed with the appropriate Regional Water Quality Control Board (RWQCB) for any discharge that could affect the quality of waters of the State.

DFG submitted an application for Certification on August 26, 2003 but withdrew that application on September 23, 2003 in order to address new information. The application was resubmitted June 14, 2004 with an initial list of projects and information specific to projects in streams with historical mining. A revised list of 155 projects was submitted for certification on August 8, 2004, and five projects were identified as located in areas with historical mining. Information submitted with the list indicates that three of the projects located in the mining areas have a low probability of mercury remobilization and that more information is needed to determine the probability of mercury remobilization for two of the projects.

California Environmental Protection Agency

The National Marine Fisheries Service issued a Biological Opinion (BO) for the FRGP on May 21, 2004. The U.S. Fish and Wildlife Service (USFWS) Arcata Office stipulated a "no effect" determination in a February 25, 2004 letter. The Ventura and Sacramento USFWS Offices issued their respective BOs on August 13, 2004 and August 17, 2004.

- | | |
|---|---|
| ☐ Order for Standard Certification | ☐ Order for Denial of Certification |
| ☒ Order for Technically Conditioned Certification | ☐ Order for Waiver of Waste Discharge Requirements |

STANDARD CONDITIONS:

1. This certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to section 13330 of the California Water Code and Article 6 (commencing with section 3867) of Chapter 28, Title 23 of the California Code of Regulations (CCR 23).
2. This certification action is not intended and shall not be construed to apply to any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent certification application was filed pursuant to subsection 3855(b) of Chapter 28, CCR 23, and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. This Certification is conditioned upon total payment of any fee required under Chapter 28, CCR 23 and owed by the applicant.

ADDITIONAL CONDITIONS:

1. **Endangered Species:** Projects proceeding under the FRGP shall not result in the take of any endangered, threatened, or candidate species or the habitat of such species except as authorized pursuant to the State and federal Endangered Species Acts.
2. **Other State Permits:** All projects shall comply with all applicable National Pollutant Discharge Elimination System permits and Waste Discharge Requirements.
3. **Toxic Substances:** Projects shall not discharge substances in concentrations toxic to human, plant, animal, or aquatic life or that produce detrimental physiological responses.
4. **Hazardous Substances:** Projects shall not discharge waste classified as "hazardous" as defined in Title 22 CCR section 66261 and California Water Code section 13173.
5. **Notification:** Not less than 15 days prior to the start of construction, or 30 days for projects involving the placement of any new culvert or channel liner as described in Condition No. 6

(Culverts and Channel Lining), project proponents shall submit to the 401 Program Manager of the appropriate RWQCB(s) a notification indicating the expected start and completion dates of project activities (see addresses under Condition 7 below).

6. **Culverts and Channel Lining:** This Certification does not apply to any project which includes the placement of any culvert or channel lining in any water body reach that previously had none, unless the project has been approved by the Executive Officer of the appropriate RWQCB(s). Such project will be identified by DFG in the notification submitted to the RWQCB as required in Condition Number 5 (Notification) above. If the Executive Officer has not disapproved the project within 30 days of receipt of DFG's notification, the project may proceed under this Certification.
7. **Reporting:** While this Certification is in effect, or until all projects have been completed or defunded, and for as long as required monitoring is occurring, DFG will submit annual reports on July 1 of each year to the 401 Program Managers of the State Water Resources Control Board (SWRCB) and the appropriate RWQCB(s), documenting work undertaken during the preceding year, and identifying for all such work the following:
 - a. project name and grant number as listed in Enclosure 2;
 - b. project purpose and summary work description;
 - c. name(s) of affected water body(ies);
 - d. latitude/longitude in decimal degrees to at least four decimals;
 - e. type(s) of receiving water body(ies) (e.g., at a minimum: river/streambed, lake/reservoirs, ocean/estuary/bay, riparian area, or wetland type);
 - f. for each water body type affected, the quantity of waters of the U.S. temporarily and permanently impacted. Fill/excavation discharges shall be reported in acres and fill/excavation discharges for channels, shorelines, riparian corridors, and other linear habitat shall also be reported in linear feet;
 - g. actual construction start and end-dates; and
 - h. whether the project is on-going or completed. For multi-year projects completed during the year, the Annual Report will document impacts (per item "f" of this condition) for that year and will also report the total multi-year impacts of the overall project.

Notifications and Annual Reports shall be directed to "Program Manager, 401 Water Quality Certification Program" at the SWRCB and the appropriate RWQCB offices, at the letterhead and following addresses respectively:

North Coast Regional Water Board
5550 Skylane Boulevard, Suite A
Santa Rosa, CA 95403

San Francisco Bay Regional Water Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

Central Coast Regional Water Board
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401

Los Angeles Regional Water Board
320 W. Street, Suite 200
Los Angeles, CA 90013

Santa Ana Regional Water Board
3737 Main Street, Suite 500
Riverside, CA 92501-3339

San Diego Regional Water Board
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340

8. **Imported Gravel:** Any gravel imported from offsite will be from a source known to not contain historic hydraulic gold mine tailings, dredger tailings, or mercury mine waste or tailings.
9. **Projects in Streams with Historical Mining:** For projects in basins with historical mining activity (e.g., Walker Creek, East Fork Scott River, Scott River, Cottonwood Creek, and Kelly Gulch) that will disturb the channel bottom, and specifically for projects No. 145 (Kelly Gulch Migration Barrier Removal Project/Grant #P0210441) and No. 154 (Cottonwood Creek Diversion Improvement Program/Grant #P0210436) pre- and post-project testing for mercury in the tissue of macro-invertebrates in the area shall be done. This testing will consist of:
 - a. Prior to project implementation, a mercury bioassessment of macro-invertebrates expressed as total mercury in mg/g of macro-invertebrates tissue will be done. Macro-invertebrate samples will be collected directly upstream and downstream of the project site, in accordance with methods described in the December 2003 *California Stream Bio-assessment Procedure* and the May 7, 2003 laboratory protocol entitled *Mercury in Tissue* (FIMS Mercury Rev. 3), both attached to DFG's June 14, 2004, 401 Application.
 - b. The results of the pre-project mercury bioassessment will be reported to the appropriate RWQCB(s) at least 30 days prior to project initiation. If mercury is detected, the project may proceed only with RWQCB concurrence. If the Executive Officer has not disapproved the project within 30 days of receipt of DFG's report, the project may proceed under this Certification.
 - c. Immediately following implementation of the project, and for one additional season thereafter (i.e., two sampling events), complementary mercury bioassessment of macro-invertebrates (total mercury/mg) will be done directly upstream and downstream of the project site. The results of the post-project monitoring will be reported in DFG's Annual Reports.
10. **Enforcement:** In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under State law. For purposes of CWA section 401(d), the applicability of any State law authorizing remedies, penalties, process, or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Certification.
 - a. In response to a suspected violation of any condition of this Certification, the SWRCB may require the holder of any permit or license subject to this Certification to furnish, under penalty of perjury, any technical or monitoring reports the SWRCB deems appropriate, provided that the burden, including cost of the reports, shall be in reasonable relationship to the need for the reports and the benefits to be obtained from the reports.

Mr. Larry Week

- 5 -

- b. In response to any violation of the conditions of this Certification, the SWRCB may add to or modify the conditions of this Certification as appropriate to ensure compliance.

Expiration: This Certification will expire on December 31, 2009.

WATER QUALITY CERTIFICATION:

I hereby issue an order certifying that discharges from the projects listed in Enclosure 2 comply with the applicable provisions of sections 301 (Effluent Limitations), 302 (Water Quality Related Effluent Limitations), 303 (Water Quality Standards and Implementation Plans), 306 (National Standards of Performance), and 307 (Toxic and Pretreatment Effluent Standards) of the CWA, and with other applicable requirements of State law. This discharge is also regulated under State Board Order No. 2003-0017-DWQ "General Waste Discharge Requirements for Dredged or Fill Discharges That Have Received State Water Quality Certification" (GWDR), which requires compliance with all conditions of this Water Quality Certification. This GWDR can be accessed at <http://www.swrcb.ca.gov/cwa401/index.html>.

Except insofar as may be modified by any preceding conditions, all certification actions are contingent on (a) the discharge being limited and all proposed mitigation being completed in compliance with the applicants' project description and the enclosed Project Information Sheet (Enclosure 1), and (b) compliance with all applicable requirements of the appropriate RWQCB's Water Quality Control Plan.

If you have any questions, please direct them to Ruben A. Guieb, Environmental Scientist, Water Quality Certification Unit, at 916-341-5464 or email guier@swrcb.ca.gov. You may also contact Oscar Balaguer, Chief of the Water Quality Certification Unit, at 916-341-5485 or email balao@swrcb.ca.gov.

Sincerely,



Celeste Cantú
Executive Director

Enclosures (3)

cc: Mr. Tim Vendlinski
Wetlands Regulatory Office (WTR-8)
U.S. Environmental Protection Agency
Region IX
75 Hawthorne Street
San Francisco, CA 94105

cc: (Continued on next page)

cc: (Continuation page)

Mr. Mark D' Avignon
Regulatory Branch
San Francisco District
Department of the Army
U.S. Army Corps of Engineers
333 Market Street
San Francisco, CA 94105

Mr. Bruce Henderson
Ventura Field Office
Regulatory Branch
Los Angeles District
Department of the Army
U.S. Army Corps of Engineers
2151 Alessandro Drive, Suite 255
Ventura, CA 93001

Ms. Cecilia Brown
Sacramento Field Office
Endangered Species Division
U.S. Fish and Wildlife Service
2800 Cottage Way, W-2605
Sacramento, CA 95825

Mr. David Pereksta
Ventura Office
U.S. Fish and Wildlife Service
2493 Portola Road, Suite B
Ventura, CA 93003

Mr. Rodney R. McInnis
Santa Rosa Area Office
National Marine Fisheries Service
777 Sonoma Avenue, Room 325
Santa Rosa, CA 95404

Mr. Rick Rogers
National Marine Fisheries Service
1655 Heindon Road
Arcata, CA 95521

cc: (Continued on next page)

cc: (Continuation page)

Ms. Gail Newton
Native Anadromous Fish and Watershed Branch
Department of Fish and Game
830 S Street
Sacramento, CA 95814

Ms. Helen Birss
Native Anadromous Fish and Watershed Branch
Department of Fish and Game
830 S Street
Sacramento, CA 95814

Mr. Bob Coey
Watershed Restoration Program, CCR
Department of Fish and Game
P. O. Box 47
Yountville, CA 94599

Executive Officers, RWQCBs 1, 2, 3, 4, 8, and 9

PROJECT INFORMATION SHEET
CALIFORNIA DEPARTMENT OF FISH AND GAME
2004 FISHERIES RESTORATION GRANTS PROGRAM

1.	Applicant & Agent	Mr. Larry Week Native Anadromous Fish and Watershed Branch Department of Fish and Game 830 S Street, Sacramento, CA 95814 DFG Contact Person: Ms. Helen Birss Native Anadromous Fish and Watershed Branch Department of Fish and Game 830 S Street, Sacramento, CA 95814
2.	Project Purpose and Description	Title: ORDER FOR TECHNICALLY-CONDITIONED WATER QUALITY CERTIFICATION: CALIFORNIA DEPARTMENT OF FISH AND GAME FISHERIES RESTORATION GRANTS PROGRAM (CORPS SAN FRANCISCO DISTRICT FILE #223232N AND CORPS LOS ANGELES DISTRICT FILE #200301123) Purpose: The purpose of the Fisheries Restoration Grant Program (FRGP) is to restore anadromous fisheries habitat in non-tidal reaches of rivers and streams, improve watershed conditions impacting salmonid streams, and improve the survival, growth, migration, and reproduction of anadromous fish. Description: The California Department of Fish and Game (DFG), through FRGP, uses funds mandated under Public Resources Codes section 6217 to fund projects that will restore degraded anadromous/salmonid fish habitats in coastal streams. Enclosure 2 identifies the 155 restoration projects reviewed under FRGP's 2003 and 2004 Mitigated Negative Declarations and covered by this Certification, and Enclosure 3 shows the statewide coastal coverage of FRGP. These 155 projects have been determined by DFG to be consistent with DFG's "California Salmonid Stream Habitat Restoration Manual" (3rd Edition, January 1998). Only restoration projects consistent with the manual's guidelines are funded by the grant program.
3.	Receiving Water(s) Name	See enclosed Enclosure 2.
4.	Water Body Types/ Area of Filled/ Excavated (Acres)	Not applicable. However, through the "Notification" process, project-specific identification for this section will be provided by the project proponent proceeding under this Certification.
5.	Federal Permit(s)	U. S. Army Corps of Engineers (Regional General Permits): - San Francisco District Regional - Corps File Number 223232N - Los Angeles District - Corps File Number 200301123 Biological Opinion: - National Marine Fisheries Service (File #151422SWR03AR8912:FRR/JTJ) U. S. Fish and Wildlife Service Offices: Arcata (File # AFWO 1-14-2004-2129) Sacramento (File #1-1-03-F-273) Ventura (File #1-8-03-F/C-49)
6.	Non-Compensatory Mitigation	DFG will implement the mitigation measures identified in Appendix B of the FRGP's 2003 and 2004 Mitigated Negative Declarations and those identified in DFG's June 14, 2004 401 application, Section 11, <i>Other Actions/Best Management Practices</i> .
7.	Compensatory Mitigation	Not applicable.
8.	Additional Information	California Environmental Quality Act: Lead Agency – DFG. 2003 Mitigated Negative Declaration (SCH #2003042032); 2004 Mitigated Negative Declaration (SCH #2004052087).

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
1	HR	P0310311	Alexandre EcoDairy Farms Riparian Restoration Project at Morrison Creek	Cattle exclusionary fencing and riparian planting along 2000 feet of the lower Morrison Creek.	Alexandre EcoDairy Farms	Del Norte	Morrison	41.90390	-124.15200
2	HI	CAWIP-NR-39	Elk Creek Instream Habitat Enhancement	Improve rearing and spawning habitat for Coho and Chinook salmon and for Steelhead and Cutthroat by constructing ten complex log and boulder habitat structures	CCC (Adapt)	Del Norte	Elk Creek	41.98105	-123.70522
3	HU	P0310314	Fourth Switchback Watershed Rehabilitation Project	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 out-slope 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.	California State Parks	Del Norte	Rock Creek, South Fork Smith River	41.18956	-123.86114
4	HR	P0310313	Lower Terwer Creek Riparian Restoration Project	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.	Yurok Tribe Watershed Restoration Department	Del Norte	Terwer Creek	41.53180	-123.98600
5	HB	P0310307	Morrison Creek Fish Passage Improvement Project	Restore fish passage and improve instream habitat in Morrison Creek for salmonids by removing a historical dam and fish barrier, installing three instream log structures, and planting 200 conifers in the project site's	California Conservation Corps, Del Norte Center	Del Norte	Morrison Creek	41.91520	-124.13300

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
6	HB	CAWIP-NR-48	Peacock Creek LDA Modification	Improve access to rearing and spawning habitat for Chinook, coho and steelhead trout by repositioning logs that have formed a partial fish barrier in Peacock Creek.	Zach Larson	Del Norte	Peacock Creek	41.8267	-124.09963
7	HS	CAWIP-NR-46	Rowdy Creek In-stream Bank Stabilization	Stabilize approximately 60-70 feet of eroding stream bank. Large 1-3 ton boulders will be placed with heavy equipment filling an under cut bank and stabilizing the stream bed adjacent to and below Rowdy Creek Fish Hatchery's pump house.	Rowdy Creek Fish Hatchery (Adapt)	Del Norte	Rowdy Creek	41.92821	-124.14283
8	HR	TBD*	Salt Creek Riparian Restoration	Improve anadromous fish rearing habitat and augment a riparian enhancement project by installing six complex, boulder, root wad, log in stream structures, and four livestock water troughs in adjacent fields.	CCC-Del Norte(Adapt)	Del Norte	Salt Creek	41.54765	-124.05913
9	HU	P0310316	South Fork Winchuck Watershed Improvement Project	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.	Pacific Coast Fish Wildlife and Wetlands Restoration	Del Norte	South Fork Winchuck River	41.98165	-124.13039
10	HB	CAWIP-NR-44	Bellevue Creek Crossing Replacement	Design alternative engineered plans to replace an existing culvert, currently a complete fish passage barrier, with an improved crossing that will allow access to approximately 1000' of habitat for adult and juvenile steelhead trout.	City of Rio Del	Humboldt	Unnamed Tributary to Main stem Eel River (Bellevue Creek for purposes of this project)	40.50872	124.1244
11	HU	TBD*	Burr Creek Stream Bank Stabilization	Stabilize 130 feet of actively eroding stream bank and replace a failing bridge with an 8' culvert	Burr Valley Road Assoc. (319H)	Humboldt	Burr Creek	40.46894	-123.65989
12	HU	project	Coyote Creek Watershed	Decommission approximately 2.9 miles of	PCFWWRA	Humboldt	Coyote	40.11656	-123.91624

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
		matched with P0310516-funded through SWRCB 319(h)	Improvement	road. A total of 53 sites will be treated, 19 stream crossings, 21 landslides, and 8 others (i.e. gully fixes, diverted stream channels, etc.).			Creek		
13	HI	TBD*	Day lighting of Jolly Giant Creek	The project would excavate approximately 500 yd3 of fill, and remove approximately 50 yd3 of concrete culvert. The project will create a stream and riparian corridor that is as much as 70 ft wide, and convert approximately half of the lot (0.16 acre) to riparian corridor. Large wood structures and gravels would be placed in the stream to provide anadromous salmonid habitat, particularly for juvenile coho salmon	McBain and Trush	Humboldt	Jolly Giant Creek	40.86827	-124.0876
14	HS	CAWIP-NR-54	E. Branch S. Fork Eel River Bank Stabilization	Improve spawning and rearing habitat for salmon and steelhead trout by armoring and buttressing approximately 250 feet of actively eroding stream bank using 2 boulders/log deflectors.	ERWIG (319H/Adapt)	Humboldt	E.B. S.F. Eel River	40.06542	-123.75731
15	HS	CAWIP-NR-41	Golf Course Creek Bank Stabilization	Remove foreign material from stream bed and stabilize approximately 156' of eroding stream bank incorporating 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.	Baywood Golf and Country Club (Adapt)	Humboldt	"Golf Course Creek"	40.84336	-124.04597
16	HI	TBD*	Grizzly Creek Tributary Stream Restoration	Install bridge, place instream habitat structures, stabilize 340' of stream bank, and implement road up grades.	Eddie Mendes(319H)	Humboldt	Grizzly Creek	40.49159	-123.90786
17	HS	TBD*	Gunderth/Yager Creek Bank Stabilization	Stabilize 300 feet of stream bank using boulder/log wing deflectors, which will improve habitat through scouring pools.	ERWIG (Adapt/319H)	Humboldt	Yager Creek	40.54813	-123.06121
18	HB	Department of Fish and	Hall/Mil Creek Fish Passage Improvement	Improve fish passage at culvert by construct one boulder weir approximately 5 feet	Department of Fish and Game	Humboldt	Hall Creek	40.89668	-124.01718

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
		Game		downstream of the existing weir in order to lower the jump pool height.					
19	HI	Humboldt Fish Action Council	Jacoby Creek Stream Bank Stabilization and Habitat Enhancement	Stabilize stream bank and improve fish habitat by repositioning and securing two recently fallen Sitka Spruce trees, with attached rootwads, to a location that will stabilize eroding stream banks and provide large woody debris (LWD) cover in the creek.	Humboldt Fish Action Council	Humboldt	Jacoby Creek	40.82622	-124.03702
20	HB	TBD*	Leggit Creek Fish Passage Project	Improve fish passage and provide access to habitat for salmon and steelhead in Leggit Creek by replacing undersized culvert.	Natural Resources Management	Humboldt	Leggit Creek	40.88167	-124.02404
21	HU	TBD*	Lonestar Creek Site D-2 Crossing Replacement	Replace failing Humboldt crossing with a culvert, installing critical dip, rock armor, and trash rack.	Moore(Adapt/3 19H)	Humboldt	Lone Star Creek	40.64297	-123.87469
22	HB	TBD*	South Fork Bear Creek Culvert Replacement	Open up access to habitat for steelhead trout, coho salmon, and Chinook salmon by replacing a partially failed existing culvert, a partial fish passage barrier, with a structure that passes adult and juvenile salmonids.	Mattole Restoration Council	Humboldt	South Fork Bear Creek	40.0274	-124.01181
23	HU	TBD*	South Humboldt Bay Coastal Resources Protection Project	Treat sites identified by the South Fork Elk Watershed Assessment (PWA 2004) on a cost effectiveness/potential sediment yield prioritized basis. Treated sites will be selected from approximately 16.3 miles of road and 355 individual sites, which have been identified for treatment.	PCFWWRA	Humboldt	SF Elk River	40.70258	-123.15127
24	HS	CAWIP-NR-51	Upper Mattole Bank Stabilization	Improve habitat for coho salmon, Chinook salmon and steelhead trout by preventing sediment delivery and promoting pool scour with the construction of a series of log/boulder deflectors on the Upper Mattole River.	ERWIG (Adapt)	Humboldt	Mattole River	40.0052	123.928291
25	HB	CAWIP-NR-38	Washington Gulch Crossing Replacement	Maintain anadromous salmonid fish passage by replacing an old, failing bridge on Washington Gulch.	Floyd McMahan (Adapt)	Humboldt	Washington Gulch	40.83286	-124.063455

2003 and 2004 Fisheries Restoration Grant Program Project List

Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
26 HS	P0310521	Bear River Channel Restoration	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.	Coastal Stream Restoration Group	Humboldt	Bear River	40.47020	-124.38000
27 HR	P0310504	Bull creek Salmonid habitat restoration and Riparian Revegetation Project - Mill Creek Bridge to Albee Creek	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.	Eel River Watershed Improvement Group	Humboldt	Bull Creek	40.35038	-124.01724
28 HS	TBD*	China Creek sediment Reduction Proj., 2004-5	Stabilize two large stream slope failures, replace one completely rotted culvert/stream crossing, install three ditch-relief culverts and three rolling dips.	Eel River Watershed Improvement Group	Humboldt	China Creek	40.11126	-123.93046
29 HB	P0310304	Graham Gulch Culvert Replacement	Provide 13,400 feet of potential anadromous habitat by replacing the existing culvert that is a fish barrier with a bottomless, multiple arch culvert to allow passage for adult and juvenile salmonids.	Humboldt County Public Works Department	Humboldt	Graham Gulch	40.75380	-124.04800
30 HB	P0310511	Indian Creek Culvert Replacement with a Bridge	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.	Humboldt County Public Works Department	Humboldt	Indian Creek	40.28500	-124.25100
31 HB	P0310308	Janes Creek Dam Removal Project	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	Humboldt Fish Action Council	Humboldt	Janes Creek	40.89130	-124.07300

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
32	HU	P0310518	Leggett Creek Road and Pond Decommissioning Project	prefabricated bridge will be installed. 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.	Eel River Salmon Restoration Project, PCFFA	Humboldt	Leggett Creek	40.13420	-123.82600
33	HB	P0310306	Lindsay Creek at Burnt Stump Lane Restoration Project	Remove shotgun culvert and replace with a manufactured bridge on Lindsay Creek at Burnt Stump Lane.	Tim Broadman	Humboldt	Lindsay Creek	40.97960	-124.03700
34	HI	P0310309	Lindsay Creek Coho Overwinter Rearing Restoration Project	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.	Pacific Coast Fish Wildlife and Wetlands Restoration	Humboldt	Grassy Creek, Lindsay Creek, Mad River, Mather Creek, Squaw Creek, various	40.90970	-124.03050
35	HS	CAWIP-NR-60	Mad River Bank Stabilization Phase II	Protect 135 feet of stream bank from erosion using boulder armor and willow baffles (project maintenance CAWIP-NR-18)	Environmental Restoration Services	Humboldt	Unnamed	40.69583	-123.85611
36	HU	P0310523	McBride Property - Southmayd Hollister Road, Bear River, Upslope Erosion Control Project #1	Reduce baseline sediment introduction into the Bear River by replacing undersized culverts, adding critical dips, constructing rocked rolling dips, and improving road drainage patterns.	William McBride	Humboldt	South Fork Bear River	40.42950	-124.26948
37	HU	P0310522	Middle Van Duzen Watershed Restoration Implementation Project	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.	Yager/Van Duzen Environmental Stewards	Humboldt	Cashlapooda Creek, Danger Creek, Eel River, Grizzly Creek,	40.51047	-123.80907

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
38	HB	P0310510	Painter Creek Culvert Replacement	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.	Humboldt County Public Works Department	Humboldt	Painter Creek	40.06770	-123.96100
39	HU	P0310315	Redwood Creek Road Decommissioning and Erosion Prevention Project	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.	Pacific Coast Fish Wildlife and Wetlands Restoration	Humboldt	Coyote Creek	41.13099	-123.89346
40	HS	P0310516	Redwood Creek/Schroeder Property Bank Stabilization Project	Re-contour 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 re-contoured slide will be re-vegetated with 50 riparian and coniferous 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.	Eel River Watershed Improvement Group	Humboldt	Redwood Creek	40.10030	-123.90600
41	HI	P0310520	Rex's Wing Dam and Enhancement and Repair Project	Enhance and repair two wing dam structures at Mattole River mile 2.79.	Mattole Salmon Group	Humboldt	Mattole River	40.29795	-124.30550
42	HU	P0310519	Salmon Creek Up-slope Sediment Reduction Project/HU2004	Improve salmonid spawning and rearing habitat by lowering sediment delivery from upslope sources in the Salmon Creek Watershed.	Jack Monschke Watershed Management	Humboldt	Salmon Creek	40.20218	-123.90639
43	HU	P0310517	Seely Creek Watershed	Implementation will minimize the potential	Restoration	Humboldt	Seely Creek	40.15390	-123.87479

2003 and 2004 Fisheries Restoration Grant Program Project List

Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
		Association 2003 Implementation Project	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.	Forestry, Inc.				
44 HS	P0310536	Yager Creek Channel Restoration Project	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 in-stream 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.	Eel River Watershed Improvement Group	Humboldt	Yager Creek	40.56570	-123.96400
45 HI	P0310512	Upper Mattole Large Wood and Boulder Placement, 2004	Install 14 large wood and boulder structures for complex cover and scour in the upper Mattole Watershed.	Mattole Salmon Group	Humboldt, Mendocino	Bridge Creek, Mill Creek, Thompson Creek, Upper Mainstem Mattole River	40.02678	-123.95900
46 HB	P0230474	Devil's Gulch Culvert Modification	Remove two degraded culverts, bank armoring and revegetation	Trout Unlimited, North Bay Chapter 903	Marin	Devils Gulch	38.04415	-122.71000
47 HU	TBD*	Lagunitas Creek Sediment Control - Peters Dam Area	This is a road-related sediment reduction project adjacent to the main stem 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	Marin Municipal Water District	Marin	Lagunitas Creek	38.00096	-122.70889

2003 and 2004 Fisheries Restoration Grant Program Project List

Project #	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
48	HU	TBD*	Redwood Creek Watershed Sediment Control on Marin Municipal Water District Lands	reduction as identified in a comprehensive sediment source, inventory completed by Pacific Watershed Associates in 2003. 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.	Marin Municipal Water District	Marin	Redwood Creek	37.91845	-122.59540
49	HU	P0230468	Redwood Creek Watershed Sediment Control on Mt. Tamalpais State Park Lands	Reduce contribution of sediment from specific road sites within Mt. Tamalpais State Park into the Redwood Creek Watershed.	California State Parks	Marin	Redwood Creek	37.89005	-122.58121
50	HS	TBD*	San Geronimo Creek Bank Stabilization Project	This is an In-stream 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.	Marin Municipal Water District	Marin	San Geronimo Creek	38.01285	-122.65200
51	HR	TBD*	Walker Creek Watershed Enhancement Program (2)	To implement projects that will restore salmon and steelhead populations in the Walker Creek watershed using riparian fencing, native plant revegetation,	Marin County Resource Conservation District	Marin	Walker Creek	39.14873	-123.36757

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
52	HU	TBD*	8.5 Mile Road Decommissioning Project, Upper North Fork Noyo, Mendocino County, CA	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.	Trout Unlimited	Mendocino	North Fork Noyo River	39.48072	-123.54392
53	HR	TBD*	Dooley Creek Restoration Project	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.	Bioengineering Associates	Mendocino	Dooley Creek	38.97500	-123.09800
54	HU	TBD*	Feliz Creek Road Erosion Implementation Project+F93	Implement the findings of the McNab Ranch road Erosion Assessment, which used the PWA protocol to identify future potential road erosion into the Feliz stream system. The project will perform comprehensive road upgrades to 10.9 miles of road network in	Mendocino County Resource Conservation District	Mendocino	Feliz Creek	39.03693	123.18295
55	HI	TBD*	Feliz Creek Stream Habitat Improvement Project	The operator proposes to stabilize the banks and improve riparian canopy on Feliz Creek with bioengineering treatments from the Mountain House Road bridge to the mouth in the town of Hopland. The project extends downstream from the Mountain House Road Bridge for 2880 feet.	CCC-Ukiah(adapt)	Mendocino	Feliz Creek	38.96932	123.118105
56	HR	TBD*	Forsythe Creek Riparian Re-vegetation Project	The operator proposes to stabilize the banks and improve riparian canopy on Forsythe Creek at the Golden Rule property. The project extends upstream from an unnamed road crossing 1560 feet.	CCC-Ukiah(adapt)	Mendocino	Forsythe Creek	39.31816	123.310066
57	HB	TBD*	Frykman Gulch	An undersized culvert in Frykman gulch is	Mendocino	Mendocino	Frykman	39.32440	-123.51100

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
			Migration Barrier Elimination and Erosion Control Project	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.	Redwood Company, LLC		Gulch		
58	HR	TBD*	Garcia River - lower main stem, bank stabilization/riparian re-vegetation	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.	Bioengineering Associates	Mendocino	Garcia River	38.94460	-123.67367
59	HI	TBD*	Hayworth Creek and N. Fork Noyo River Large Wood Enhancement Project	55 pieces of large woody debris will be added Hayworth Creek and the NF Noyo River in the form of 35 in-stream habitat improvement structures, increasing the amount of complex cover and improving the quality of rearing habitat for salmonids.	California Conservation Corps	Mendocino	Hayworth Creek, NF Noyo River	39.46040	-123.52900
60	HU	P0310513	Hollow Tree Creek Restoration Project Phase 2	The implementation of upslope and in-stream restoration prescriptions to reduce road-related sediment and to improve in-stream 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 interfluvies.	Trout Unlimited	Mendocino	Bear creek, Michaels Creek, Upper Hollow Tree	39.77110	-123.72772
61	HI	TBD*	Little River Habitat Restoration Project	This project will address sediment added to the Little River, which is related to the	California Conservation	Mendocino	Little River	39.27690	-123.75900

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
				historic riparian road, and will place instream structures to improve the quality of rearing habitat.	Corps				
62	HU	P0310514	Lost River Creek Road Decommissioning for Salmonid Recovery	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.	Mattole Restoration Council	Mendocino	Lost River Creek	39.98543	-123.92118
63	HU	TBD*	Mill Creek Upslope Road Sediment Reduction Project	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 that they deliver annually, into the Mill Creek system.	Mendocino County Resource Conservation District	Mendocino	Mill Creek	41.70695	-124.00900
64	HU	TBD*	McNab Creek road Erosion Implementation Project	Improve steelhead habitat by potentially preventing delivery of 26,425 cubic yards of sediment to the McNab Creek system by implementing road erosion control and prevention techniques over 11 miles of roads in the McNab Creek watershed. The project implements the treatment recommendations previously outlined in a road erosion assessment by PWA.	Mendocino County Resource Conservation District	Mendocino	McNab Creek	39.04172	123.18502
65	HR	TBD*	Robinson Creek Riparian Restoration Project	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.	E Center	Mendocino	Robinson Creek	39.09460	-123.21200
66	HU	TBD*	York Creek road Erosion Implementation Project	Potentially save 5,759 cubic yards of sediment by implementing a road erosion assessment on 3.8 miles of roads on a ranch	Mendocino County Resource	Mendocino	York Creek	39.22953	123.23970

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
67	HI	TBD*	Gualala River Wood in the Stream Project Phase IV	in the York Creek watershed. The assessment used PWA protocols to evaluate the road network, and will use the PWA protocols. 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 unanchored non-merchantable logs into the streams.	Conservation District	Mendocino Sonoma	Gualala River tribs	38.79315	-123.44040
68	HU	TBD*	Garrapata Creek Watershed Restoration Implementation Project	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.	Pacific Watershed Associates	Monterey	Garrapata Creek	36.40927	-121.88718
69	HI	NA	Eticuera Creek Bioengineering	Stabilize eroding stream banks using boulder wing deflectors to confine and stabilize the channel, construct cross channel boulder weirs to recreate the step pool sequences, and on either side of the channel plant a 30 ft. wide band of native trees and shrubs.	Bioengineering Associates (EQUIP)	Napa	Eticuera Creek	38.75977	122.27473
70	HR	P0230454	Napa River at Napa Valley Wine Company River Restoration Project	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 stream banks along the channel. Restore in-stream and riparian fisheries habitat.	Bioengineering Associates	Napa	Napa River	38.42210	-122.36600
71	HB	CAWIP-CR-26	Burton Bridge Barrier Removal Project	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	Greenspace - The Cambria Land Trust (Adapt)	San Luis Obispo	Santa Rosa Creek	35.56182	121.08186

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
72	HS	TBD*	Fiscalini Bank Stabilization Project	bridge overhead. Remove all debris associated with the roadbed removal. 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.	Greenspace, The Cambria Land Trust	San Luis Obispo	Santa Rosa Creek	35.57000	-121.06100
73	HS	TBD*	Wolff Vineyards Bank Restoration Project	Stabilize 655 feet of creek bank using bioengineering techniques. Grade back the vertical bank to a more natural angle, slow flow velocity through rock deflectors, remove grape vines and move existing road to create buffer strip and re-establish complex riparian cover habitat.	Central Coast Salmon Enhancement	San Luis Obispo	West Correl de Piedra	35.13, 10	120.35, 34
74	PM	TBD*	Alpine Creek Fish Ladder Maintenance Project	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.	County of San Mateo Department of Public Works	San Mateo	Alpine Creek	37.29970	-122.26500
75	HU	TBD*	Pescadero Creek Park Complex Sediment Reduction Project - Phase 1	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 Pescadero/memorial/Sam McDonald County Park complex.	County of San Mateo Department of Public Works	San Mateo	Pescadero Creek	37.28709	-122.28075
76	HU	TBD*	Tarwater Creek Sediment Reduction Project	Implement Phase 2 of road-related sediment reduction measures prescribed by Pacific Watershed Associates in the assessment	County of San Mateo Department of	San Mateo	Pescadero Creek	37.26553	-122.24228

2003 and 2004 Fisheries Restoration Grant Program Project List

Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
			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.	Public Works				
77	HU	Indian Creek Sediment Control Project	Restore salmon and steelhead spawning and rearing habitat in the Indian Creek watershed.	California Conservation Corps, Del Norte Center	Siskiyou	Indian Creek	41.92740	-123.44700
78	HS	Newton Enhancement Project	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.	Siskiyou RCD	Siskiyou	East Fork Scott River	41.38250	122.68117
79	FL	Young's Dam Fish Ladder Construction	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.	SHN Consulting Engineers & Geologists	Siskiyou	Scott River	41.43850	-122.84600
80	HU	Cloud Ridge Road Upslope Sediment Reduction Project	Implement road upgrading and storm proofing erosion control measures along approximately 1.1 miles of rural subdivision, 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.	Pacific Watershed Associates (Adapt)	Sonoma	Palmer Creek	38.57679	122.944156
81	HI	Dutch Bill Creek Fish-	The operator proposes to back flood a	Dragonfly	Sonoma	Dutch Bill	38.44574	122.980366

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
			Way Access Project	concrete fish way, stabilize an eroding stream bank and increase rearing habitat. This will be accomplished with the construction of 3 boulder weirs and several logs structures incorporated into the weirs down stream of the fish-way discharge apron.	Stream Enhancement (Adapt)		Creek		
82	HU	TBD*	Dutch Bill Creek Road Erosion Prevention Project	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.	Gold Ridge Resource Conservation District	Sonoma	Dutch Bill Creek	38.43859	-122.97974
83	HI	TBD*	Green Valley Creek Coho Enhancement	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)	Dragon Fly Stream Enhancement	Sonoma	Green Valley Creek	39.09854	-123.13840
84	HI	TBD*	Hulbert Creek Pool Enhancement	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.	Dragon Fly Stream Enhancement	Sonoma	Hulbert Creek	38.51130	-123.02817
85	HI	CAWIP-CR-21	Lower Austin Creek Migration Improvement	The project will involve constructing 15 main-channel pools, 8 back-water pools, installing 6 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 construct pools as cover structures.	Trout Unlimited	Sonoma	Austin Creek	38.47312	-123.04784
86	HI	P0230448	Mark West Creek Instream Restoration Project	Install a deer and cattle exclusionary fence encompassing approx. 3,700 feet. Other objectives will include planting native	California Conservation Corps	Sonoma	Russian River	38.54400	-122.68350

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
87	HU	TBD*	Old Cazadero Road Erosion Control Implementation Project	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. 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.	Sonoma County Department of Transportation and Public Works	Sonoma	Austin Creek, East Austin Creek	37.18810	-122.29200
88	HB	P0230455	Porter Creek at Sweetwater Springs Road Fish Passage Barrier Removal	Restore salmon and steelhead populations in the Porter Creek watershed by removing and replacing two culverts that currently obstruct fish passage.	County of Sonoma Department of Transportation and Public Works	Sonoma	Porter Creek	38.54410	-122.93600
89	HB	TBD*	Quarry Bridge Restoration Project	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.	Sotoyome Resource Conservation District	Sonoma	Unnamed tributary to Fuller Creek	38.71030	-123.33300
90	HI	TBD*	Salmon Creek Pool Habitat Project	Increase and enhance instream 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.	Dragon Fly Stream Enhancement	Sonoma	Coleman Creek, Fay Creek, Finley Creek, Tannery Creek	38.35950	-122.98100

2003 and 2004 Fisheries Restoration Grant Program Project List

Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
91 HB	TBD*	SSCRCD Carriger Creek Habitat Barrier Modification Project #1	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.	Southern Sonoma County RCD	Sonoma	Carriger Creek	38.29170	-122.52100
92 HB	TBD*	Upper Wine Creek Passage Improvement	Remove existing culvert and replace with a two-span, 12' wide deck bridge supported on driven pilings. Construct boulder weirs upstream and downstream of the crossing.	Trout Unlimited (Adapt)	Sonoma	Wine Creek	38.66275; 38.66316; 38.66214, (38.65977 to 38.65866) , 38.65659	122.94930; 122.95971; 122.95882, (122.93459 to 122.93477), 122.93704
93 HU	P0230407	Ward Creek, Russian Gulch and Gualala River Watershed Improvement Project	Site specific and prioritized road storm-proofing, erosion control and erosion prevention.	Pacific Watershed Associates	Sonoma	Pole Mountain Creek, Russian Gulch, So. Fork Gualala, Ward Creek	38.53006	-123.14530
94 HU	TBD*	Willow Creek Project: Implementing Sedimentation Reduction on a Watershed Scale	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.	Land Partners Through Stewardship	Sonoma	Crawford Gulch, Freezeout Creek, Tyrone gulch, Willow Creek	38.43010	-123.02800
95 HU	TBD*	Willow Creek Road Erosion Control	Implement erosion control remedies to Willow Creek Road as recommended in "Willow Creek Watershed Evaluation, Road Erosion Inventory" prepared for the CDFG	Sonoma County Department of Transportation	Sonoma	Willow Creek	38.90081	-122.95210

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose (#P0985154). 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.	Contractor and Public Works	County	Stream	Latitude (DD)	Longitude (DD)
96	HS	TBD*	Hartman Erosion Control	Stabilize 1,000 feet of stream bank.	ERWIG (319H)	Trinity	Van Duzen River	40.37853	-123.50484
97	HU	P0210526	Miller Creek Sediment Reduction and Monitoring Project	Significantly lower the turbidity of Miller Creek by disconnecting the road drainage network from the stream. Turbidity will be monitored pre and post project.	Eel River Salmon Restoration Project, PCFFA	Humboldt	Miller Creek	40.12126	-123.91500
98	HU	P0210502	Albee and Harper Creek Watershed Rehabilitation Project	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.	California State Parks	Humboldt	Albee, Harper	40.36631	-124.00764
99	HI	P0210505	Wood Creek Fish Habitat Structure and Barrier Modification Project	Construct 18 complex boulder/log pool habitat structures, protect 150 feet of stream bank and modify one logjam.	Eel River Salmon Restoration Project, PCFFA	Humboldt	Wood Creek	40.14250	-123.81850
100	HU	P0210508	Salmon Creek Watershed Restoration Project HU-2003, Upslope Restoration/Sediment Reduction Project	Improve salmonid spawning and rearing habitat by lowering sediment delivery potential from upslope sources in the Salmon Creek watershed.	Jack Monischke Watershed Management	Humboldt	Salmon Creek	40.20900	-123.92539

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
101	HR	P0210509	Salmon Creek Watershed Restoration Project; Riparian Restoration/Sediment Reduction Project	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.	Jack Monschke Watershed Management	Humboldt	Salmon Creek	40.21938	-123.90583
102	HS	P0210525	Bear River McBride Slide Stabilization	Reduce the amount of controllable fine sediment introduced to the Bear River by stabilizing 260' of riverbank.	Coastal Stream Restoration Group	Humboldt	Bear River	40.45060	-124.25400
103	HI	P0210528	Price Creek Channel Stabilization and Cover Enhancement Project	Stabilize stream channel, provide pool/cover habitat, decommission a section of road and upgrade another road section	Coastal Stream Restoration Group	Humboldt	Price Creek	40.50260	-124.21600
104	HB	CAWIP-NR-15	Leggett Creek Barrier Modification Project	Improve fish passage by modifying a large logjam in Leggett Creek.	Eel River Salmon Restoration Project, PCFFA	Humboldt	Leggett Creek	40.13420	-123.82600
105	HB	P0210530	Saunders Creek Culvert Replacement	Replace existing culvert and provide access to approximately 3,600 feet of potential anadromous fish habitat.	Humboldt County Public Works Department	Humboldt	Saunders Creek	40.25160	-124.18300
106	HB	P0210533	Stanley Creek Culvert Replacement	Provide access to approximately 1.7 miles of potential anadromous fish habitat by replacing a failing culvert with one that will not be a barrier to juvenile salmonids.	Humboldt County Public Works Department	Humboldt	Stanley Creek	40.01700	-123.93300
107	HB	P0210531	Stansberry Creek Culvert Replacement	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).	Humboldt County Public Works Department	Humboldt	Stansberry Creek	40.28930	-124.33400

2003 and 2004 Fisheries Restoration Grant Program Project List

Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
108 HB	P0210532	Gibson Creek Culvert Replacement	Provide access 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.	Humboldt County Public Works Department	Humboldt	Gibson Creek	40.02170	-123.93800
109 HR	P0210504	Crystal Creek 2003	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 grazing, 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.	Hackett Timber & Livestock	Humboldt	Crystal Creek	40.48195	-124.17100
110 HR	P0210503	Howe Creek 03	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.	Hackett Timber & Livestock	Humboldt	Howe Creek	40.47988	-124.17444
111 HU	P0210534	Hollow Tree Creek Watershed Restoration Project	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.	Trout Unlimited - California Council	Mendocino	Bear Pen Creek, Bear Wallow Creek, Butler Creek,	39.73294	-123.71521

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
							Hollow Tree Creek, Huckleberry Creek, Little Bear Wallow Creek, Waldron Creek		
112	PM	TBD	Van Duzen River County Park Erosion Control Project	The deflector will be repaired and the lower edge expanded using 180 tons 4 to 6 ton boulder. The deflector will incorporate one redwood log with roots intact, angled upstream to enhance the turning capability of the deflector while adding complex cover and increased scour.	ERWIG	Humboldt	Van Duzen River	40.48385	123.96589
113	HI	CAWIP-NR-56	Elk Creek Instream Habitat Enhancement	Increase instream habitat by placing log and boulder structures to create scour pools and sort spawning gravels.	ERWIG	Humboldt	Elk Creek	40.27922	-123.81971
114	PM	TBD	Bear River Coyote Hill Bank Stabilization and Cover Enhancement Project	Reconstruct the boulder wing deflectors and bank armor at the site to prevent further bank erosion. Cover logs will be added and willow and alder will be planted.	Coastal Streams Restoration	Humboldt	Bear River	40.461804	-124.28808
115	PM	TBD	Howe Creek Confluence Enhancement Project	Augment and repair storm damage to a existing structures designed to prevent bank erosion, maintain a single developed stream channel and increase pool scour for fish habitat.	Northwest Resource	Humboldt	Howe Creek	40.51393	124.15643
116	HS	TBD	Howe Creek Bank (Old Dump Slide) Stabilization	Stabilize a 40' section of failing stream bank by constructing a live willow mattress between two boulder/rootwad deflectors.	Northwest Resource	Humboldt	Howe Creek	40.492573	124.16855

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
117	HS	TBD	Boynton Slide Stabilization	Stabilize a 175' section of failing stream bank by constructing a boulder deflector and 4 boulder/rootwad structures to deflect flow away from the eroding stream bank and provide fish habitat.	Northwest Resource	Humboldt	Howe Creek	40.506759	124.16403
118	PM	TBD	Teague Maintenance Project	This project proposes to repair winter flood damage to Teague Project site. This project includes armoring the upstream side of deflector #1. A live Cottonwood will be incorporated into the bank above the deflector. Deflector #3 will be re-built, mostly with existing rock, and the log re-positioned up-stream and re-anchored in place. Deflector #6 will be re-built mostly with existing rock and re-anchored.	ERWIG	Humboldt	Van Duzen River	40.52767	-124.0345
119	HI	TBD	Howe Creek E.J. Dodge Reach	Improve salmonid habitat in Howe Creek by installing instream habitat structures. Three J-hooks, 4 boulder/rootwad, and 5 boulder weirs will be placed along 840 feet of stream.	Hackett Timber & Livestock	Humboldt	Eel River	40.47988	-124.17444
120	HR	P0210514	Little Larabee Creek Livestock Exclusion Project	Improve salmonid habitat by fencing off a 2-mile section of the Little Larabee Creek to cattle access near Bridgeville, CA.	Eel River Watershed Improvement Group	Humboldt	Van Duzen River	40.47290	-123.76700
121	HU	P0210515	East Branch South Fork Eel/Reed Mountain Watershed Restoration Implementation Project	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.	Pacific Watershed Associates	Humboldt	Horse Pasture Creek, Milk Ranch, Creek, Mitzie Creek	40.01763	-123.72504
122	HU	P0210516	Bartleson Property, Bear River, Upslope Erosion Control Project #1	Reduce sedimentation flowing into the Bear River by replacing under sized culverts, adding critical dips and improving road drainage patterns.	Karen and Bill Bartleson	Humboldt	Bear River	40.44093	-124.21991

2003 and 2004 Fisheries Restoration Grant Program Project List

Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
123 HS	P0210520	Middle Mattole Streambank Stabilization Project	Stabilize streambanks and prevent sedimentation through bioengineered willow and rock structures.	Mattole Restoration Council	Humboldt	Four-mile, Middle Creek, Sholes	40.19758	-124.06888
124 HI	P0210521	Mattole Estuary Habitat Improvement	Create scour pools and improved habitat complexity by installing four complex boulder clusters using large woody debris.	Mattole Salmon Group	Humboldt	Mattole River	40.29420	-124.34500
125 HU	CAWIP-NR-21	Sweasy Gulch Erosion Control	Upgrade a stream crossing with a 48" diameter culvert with armored inlet and out, and critical dip to reduce erosion potential in Sweasy Gulch	ERWIG	Humboldt	Unnamed tributary o Little Larabee Cr.	40.48027	-123.75792
126 HI	P0230426	Alder Creek Enhancement Project	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.	California Conservation Corps	Mendocino	Alder Creek	39.17550	-123.31900
127 HR	P0230471	Andrews Property Riparian Habitat Improvement Project	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.	Land Conservancy of San Luis Obispo County	San Luis Obispo	San Luis Obispo Creek	35.29750	-120.62630

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
128	HU	P0230409	Bradford Ranch Upslope Sediment Reduction Project	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.	Mendocino County Resource Conservation District	Mendocino	Alder Creek, Rancheria Creek	38.97189	-123.39616
129	HS	P0230440	Chase Creek Restoration Project	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.	Coastal Stream Restoration Group	Napa	Chase Creek	38.39310	-122.32300
130	HI	P0230412	Dago Creek Barrier Modification Project	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.	Forest, Soil and Water, Incorporated	Mendocino	Dago Creek	39.05185	-123.48800
131	HU	P0230415	Dago Creek Road Project	Remediate upslope erosion sources to prevent 8,000 cubic yards of sediment from entering Dago Creek	Forest, Soil and Water, Incorporated	Mendocino	Dago Creek	39.05033	-123.49338
132	HU	P0230420	Eldridge Creek Watershed Restoration Implementation Project	Road upgrading, decommissioning, erosion control and erosion prevention work in the Eldridge Creek Watershed.	Pacific Watershed Associates	Mendocino	Eldridge Creek	39.24800	-123.30700
133	HI	P0230449	Feliz Creek Enhancement Project	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.	California Conservation Corps	Mendocino	Feliz Creek	38.97010	-123.13500

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
134	HR	P0230451	Green Valley Riparian 2002	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.	Dragon Fly Stream Enhancement	Sonoma	Green Valley Creek	38.43550	-122.91050
135	HB	P0230457	Heath Canyon Creek Fish Barrier Removal and Stream Restoration Project #1	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.	Napa County Resource Conservation District	Napa	Heath Canyon Creek, Unnamed	38.48417	-122.48134
136	HU	P0230406	Little North Fork Ten Mile Watershed Restoration Project	Implementation of upslope restoration prescriptions to reduce road-related sediment in the Little North Fork Ten Mile River sub-basin.	Trout Unlimited - California Council	Mendocino	Little North Fork Ten Mile River	39.60200	-123.72400
137	HB	P0230433	Old Lompico Pool Fish Passage Improvement	Improve steelhead trout production and survival by removing a substantial impediment to migration.	Lompico Watershed Conservancy	Santa Cruz	Lompico Creek	37.10490	-122.05100
138	HU	P0230424	Pudding Creek Watershed Restoration Project	The implementation of upslope restoration prescriptions to reduce road-related sediment in the Pudding Creek watershed.	Trout Unlimited - California Council	Mendocino	Pudding Creek	39.47005	-123.69850
139	HU	P0230467	Santa Rosa Creek Watershed Erosion Control and Prevention Implementation C: Wilson Road	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.	Land Partners Through Stewardship	Sonoma	Santa Rosa Creek	38.48570	-122.57500
140	HB	P0230456	Tyrone Road Bridge at Tyrone Gulch	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.	Gold Ridge Resource Conservation District	Sonoma	Tyrone Gulch	38.44860	-123.00100

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
141	HR	P0230418	Upper Los Osos Creek Riparian Habitat Restoration Project	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.	Morro Bay NEP	San Luis Obispo	Los Osos Creek	35.27643	-120.77434
142	HB	CAWIP-NR-53	Barker Creek Diversion	Construct three rock weirs to adjust streambed and maintain integrity of existing infiltration gallery that has been funded through Fisheries Grant Program.	Bill Chadwick	Trinity	Barker Creek	40.3346	123.0636
143	HI	TBD	Lower Hunter Crk Corridor Enhance.	Restore 400 feet of eroding bank by installing 3 or more complex log boulder structures combined with willow springing and willow wattles bioengineering techniques. The project area is within the funded Lower Hunter Creek Stream Corridor Enhancement Project.	Rural Human Services	Del Norte	Hunter Creek	41.348	124.0311
144	WC	CAWIP-NR-8	Peacock Creek Diversion	Replace existing water intake system with a gravel infiltration system.	Elk Valley Rancheria	Del Norte	Peacock Creek	41.82737	-124.10394
145	HB	P0210441	Kelly Gulch Migration Barrier Removal Project	Replace an existing culvert stream crossing with a bridge structure.	Siskiyou County Department of Public Works	Siskiyou	Kelly Gulch	41.31564	-123.16767
146	PM	P0210409	Ah Pah Creek Fish Passage Enhancement Project	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 Ramps.	California Conservation Corps, Klamath Service District	Humboldt	Middle Fork Ah Pah Creek	41.40940	-123.95900

2003 and 2004 Fisheries Restoration Grant Program Project List

	Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
147	HI	P0210411	Moon Creek Barrier Modification and Habitat Enhancement Project	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.	California Conservation Corps, Klamath Service District	Humboldt	Moon Creek	41.41890	-123.95800
148	HI	P0210416	Lower Hunter Creek Stream Corridor Enhancement Project	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.	Rural Human Services	Del Norte	Hunter Creek	41.55977	-124.05966
149	HI	P0210417	Panther Creek Barrier Modification and Habitat Enhancement Project	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.	California Conservation Corps, Klamath Service District	Humboldt	Panther Creek	41.07910	-123.91500
150	HR	P0210423	Lower North Fork Mad River Riparian Corridor Enhancement Program	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.	Coastal Stream Restoration Group	Humboldt	North Fork Mad River	40.87100	-123.96100
151	HU	P0210430	Moffet Creek Road Abandonment and Decommission	Decommission 9 miles of existing timber harvest access roads, including 30 highly erosive crossings.	Siskiyou Resource Conservation District	Siskiyou	various	41.49867	-122.67375
152	HU	P0210433	Salmon Creek Watershed Improvement Project	Implementation of erosion control, erosion prevention and prioritized road decommissioning on 3.91 miles of road.	Pacific Coast Fish Wildlife and Wetlands Restoration	Humboldt	Salmon Creek	40.63250	-124.09100

2003 and 2004 Fisheries Restoration Grant Program Project List

Project Type	Grant #	Project Name	Purpose	Contractor	County	Stream	Latitude (DD)	Longitude (DD)
153	HU	P0210434 Redwood Creek Watershed Improvement Project	Protect and restore salmonid habitat through implementation of prioritized road decommissioning, erosion control and erosion prevention in the Redwood Creek Watershed.	Pacific Coast Fish Wildlife and Wetlands Restoration	Humboldt	Redwood Creek	41.07085	-123.90750
154	SC	P0210436 Cottonwood Creek Diversion Improvement Program	Replace two fish barrier diversions structures with fish friendly diversion structures and self-cleaning fish screens that will allow year round passage.	Fruit Growers Supply Company	Siskiyou	Cottonwood Creek	41.98270	-122.63450
155	HI	P0210440 Price Creek Fish Screen Removal Project	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.	Trinity County Resource Conservation District	Trinity	Price Creek	40.73400	-123.25600

ED Public School Watershed and Fishery conservation Education Projects

FL – Fish Ladder

HB – In-stream Barrier Modification

HI – In-stream Habitat Restoration

HR – Riparian Restoration

HS – In-stream Habitat Restoration

HU – Watershed Restoration (Up-slope)

SC – Fish Screening of Diversions

PM – Project Maintenance

WC – Water Conservation Measures (ditch lining, piping, stock water systems, tailwater management)

TBD* – To Be Determined

Note:

Projects Numbers 1 to 96 were reviewed under 2004 Mitigated Negative Declaration (SCH# 2004052087)

Project Number 97 to 155 were reviewed under 2003 Mitigated Negative Declaration (SCH# 2003042032)

FISHERIES RESTORATION GRANT PROGRAM PROJECT LOCATION



Data Sources:
Regional Water Quality Control Boards (RWQCBDIST) - DWR, DMG, USGS, 1994
County boundaries (COUNTY) - California Teale Data Center
Calwater22 (CALWAT22) - Interagency California Watershed Mapping Committee, 1999

