



State Water Resources Control Board



Linda S. Adams
Secretary for
Environmental Protection

Executive Office

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Arnold Schwarzenegger
Governor

July 28, 2006

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 CONDITIONAL WATER QUALITY CERTIFICATION: DEPARTMENT OF FISH AND GAME, 2006 FISHERIES RESTORATION GRANT PROGRAM (CORPS SAN FRANCISCO DISTRICT FILE #223232N)

This Order responds to your June 8, 2006 request for Clean Water Act (CWA) section 401 Water Quality Certification for the Department of Fish and Game's (DFG) 2006 Fisheries Restoration Grant Program (FRGP). The FRGP funds projects to restore habitat in non-tidal reaches of rivers and streams, improve watershed conditions, and otherwise improve the survival, growth, migration, and reproduction of anadromous fish. The FRGP is described further in Enclosure 1. This Conditional Water Quality Certification (Certification) authorizes the seventy-three (73) restoration projects funded through FRGP's 2006 grant cycle as listed in Enclosure 2. All restoration projects funded by the FRGP are consistent with DFG's *California Salmonid Stream Habitat Restoration Manual* (3rd Edition, January 1998). The FRGP area of coverage is mapped in Enclosures 3a-3c.

Pursuant to the California Environmental Quality Act (CEQA), DFG has adopted a Mitigated Negative Declaration (MND) for the projects listed in Enclosure 2. The U.S. Army Corps of Engineers (Corps), San Francisco District has issued Regional General Permit (RGP) No. 12 for the FRGP. The proponents for projects (Nos. 721550, 721533, and 721578) located in Santa Barbara, Ventura, and Los Angeles Counties will independently apply to the Los Angeles District of the Corps for their 404 permits.

None of the projects identified in Enclosure 2 are on streams with historical mercury mining; therefore, no mercury-related conditions are included in this Certification.

ACTION

Order for Standard Certification



Order for Technically Conditioned Certification



Order for Waiver of Waste Discharge Requirements



Order for Denial of Certification

California Environmental Protection Agency



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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. **Restoration Planting.** Projects requiring revegetation of disturbed areas shall utilize native species.
6. **Monitoring.** Upon request, DFG shall provide to State Water Resources Control Board (State Water Board) staff copies of reports documenting the following monitoring activities described in the Mitigated Negative Declaration for the 2006 FRGP: (1) post-project monitoring immediately after the activity is completed to ensure that projects are completed as designed, and (2) effectiveness monitoring on a random subset of ten percent of the projects, within one to three years after project completion.
7. **Notification.** No later than 15 days prior to the start of construction, or 30 days for any project involving the placement of a new culvert or a channel liner, project proponents shall submit to



the 401 Program Manager of the appropriate Regional Water Quality Control Board(s) [Regional Water Board(s)] a notification indicating the expected start and completion dates of project activities (see addresses below).

8. **Culvert and Channel Liner.** This Certification does not apply to any project which includes the placement of any culvert or channel liner in any water body that previously had none, unless the project has been approved in writing by the Executive Officer of the appropriate Regional Water Board(s). Such project will be identified by DFG in the notification submitted to the Regional Water Board as required in Condition Number 7 (Notification) above. If the Executive Officer has not disapproved certification within 30 days of receipt of the notification, the project may proceed under this Certification.
9. **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 Board and the appropriate Regional Water Board(s) documenting work undertaken during the preceding year and identifying for all such work:
 - a. project name and grant number as listed in Enclosure 2;
 - b. year of Certification;
 - c. project purpose and summary work description;
 - d. name(s) of affected water body(ies);
 - e. latitude/longitude in decimal degrees to at least four decimals;
 - f. for projects completed during the year:
 - i. the type(s) of receiving (affected) water body(ies) (e.g., at a minimum: river/streambed, lake/reservoir, ocean/estuary/bay, riparian area, or wetland type); and
 - ii. the total quantity in acres of each type of receiving water body temporarily impacted, and permanently impacted;
 - g. actual construction start and end-dates for each project; and
 - h. whether each project is on-going or completed.

Notifications and Annual Reports shall be directed to "Program Manager, Certification and Wetlands Program" at the following Water Board offices:

State Water Resources Control Board
Division of Water Quality
1001 "I" Street, 15th Floor
Sacramento, CA 95814

North Coast Regional Water Quality Control Board
5550 Skylane Blvd., Suite A
Santa Rosa, CA 95403



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

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

Los Angeles Regional Water Quality Control Board
320 West Fourth Street, Suite 200
Los Angeles, CA 90013

10. **Project Changes.** DFG shall report promptly to the State Water Board and affected Regional Water Board any proposed material change in the character, location, area, and/or volume of discharges. DFG shall obtain confirmation from the State Water Board that such proposed modifications do not disqualify the discharger from coverage under this Certification. Confirmation from the State Water Board, or a new or amended Certification from the State Water Board, shall be obtained before any modifications are implemented.
11. **Violations.** DFG shall report to the State Water Board and affected Regional Water Board in writing all violations of any term or condition of this Certification within seven (7) consecutive days of the time DFG becomes aware of the violation. The written report shall contain: (a) a description of the violation and its cause; (b) the period of the violation event, including dates and times, and, if the violation has not been corrected, the anticipated time it is expected to continue; and (c) steps taken or planned to reduce, eliminate, and prevent recurrence of the violation. 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, processes, 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 Order.
 - a. In response to a suspected violation of any condition of this Certification Order, the State Water Board 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 State Water Board 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.
 - b. In response to any violation of the conditions of this Certification Order, the State Water Board may add to or modify the conditions of this Certification as appropriate to ensure compliance.

This Certification Order will expire at the end of the construction season of the fifth year following the date of its issuance.

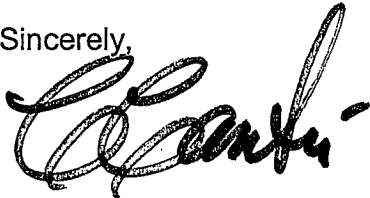
WATER QUALITY CERTIFICATION:

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 CWA, and with other applicable requirements of State law. This discharge is also regulated under State Water Board Order No. 2003-0017-DWQ, "General Waste Discharge Requirements for Dredged or Fill Discharges that have Received State Water Quality Certification," which requires compliance with all conditions of this Water Quality Certification. This General Waste Discharge Requirement 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 Regional Water Board's Water Quality Control Plan.

If you have any questions, please direct them to Nancy Dagle, Water Quality Certification Unit, at 916-341-5483 (ndagle@waterboards.ca.gov). You may also contact Oscar Balaguer, Chief of the Water Quality Certification Unit, at 916-341-5485 (obalaguer@waterboards.ca.gov).

Sincerely,



Celeste Cantú
Executive Director

Enclosures (3)

cc: Mr. Tim Vendlinski
Wetlands Regulatory Office (WTR-8)
U.S. Environmental Protection Agency
Region 9
75 Hawthorne Street
San Francisco, CA 94105

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California Environmental Protection Agency



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Mr. Mark D'Avignon
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U.S. Army Corps of Engineers
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San Francisco, CA 94105-2197

Mr. Bruce Henderson
Regulatory Branch
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Ventura Field Office
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Ventura, CA 93001

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

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

Mr. Rick Rogers
National Marine Fisheries Service
1125 16th St., Suite 101
Arcata, CA 95521

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

Mr. Bob Coey
Watershed Restoration Program, CCR
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Ms. Catherine Kuhlman
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Santa Rosa, CA 95403

Mr. Bruce Wolfe
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895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401

Mr. Jonathan Bishop
Los Angeles Regional Water Quality Control Board
320 W. 4th Street, Suite 200
Los Angeles, CA 90013

PROJECT INFORMATION SHEET
 CALIFORNIA DEPARTMENT OF FISH AND GAME
 2006 FISHERIES RESTORATION GRANT PROGRAM

1.	Applicant	Mr. Larry Week Department of Fish and Game Native Anadromous Fish and Watershed Branch 830 S Street, Sacramento, CA 95814 DFG Contact Person: Ms. Holly Sherardin Department of Fish and Game Native Anadromous Fish and Watershed Branch 830 S Street, Sacramento, CA 95814
2.	Project Purpose and Description	CALIFORNIA DEPARTMENT OF FISH AND GAME 2006 FISHERIES RESTORATION GRANT PROGRAM (CORPS SAN FRANCISCO DISTRICT FILE #223232N) The purpose of the Fisheries Restoration Grant Program (FRGP) is to restore anadromous fish 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. The California Department of Fish and Game (DFG), through the FRGP, uses funds mandated under Public Resources Code section 6217 to fund the 2006 FRGP projects that will restore degraded anadromous/salmonid fish habitats in coastal streams. <u>Enclosure 2</u> identifies the 73 restoration projects reviewed under FRGP's 2006 Mitigated Negative Declarations and covered by this Certification, and <u>Enclosure 3</u> shows the statewide coastal coverage of FRGP. These 73 projects sponsored under the 2006 FRGP grant cycle 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 Enclosure 2.
4.	Water Body Types/ Area of Filled/ Excavated (Acres)	Not applicable. However, through a Notification process, project-specific information will be provided by the project proponents proceeding under this Certification.
5.	Federal Permit(s)	• San Francisco District – Regional General Permit 12 • Los Angeles District – Individual or applicable Nationwide Permits Biological Opinion: • National Marine Fisheries Service – File #151422SWR03AR8912:FRR/JTJ) • U.S. Fish and Wildlife Service: - Arcata Office – File #1-14-2004-2129 - Sacramento Office – File #1-1-03-F-273 - Ventura Office – 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 2006 Mitigated Negative Declarations and those identified in DFG's June 8, 2006 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. Mitigated Negative Declaration (SCH #2006052041). SCH NOD receipt May 24, 2006.

Enclosure 2

Fiscal Year 2005/2006 Fisheries Restoration Grant Program Project List for 401 Certification

Project ID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
721668	05/06	Del Norte	FP	Cedar Creek Fish Passage Restoration Project	Pacific Coast Fish Wildlife and Wetlands Restoration Association	Replace an existing culvert on Cedar Creek with a fish passage friendly bridge. The culvert has been identified as a complete barrier to upstream fish passage, blocking access to approximately 5,600 feet of stream in an otherwise pristine watershed. The project will implement constructing a bridge crossing that meets fish passage criteria, restores fluvial processes and preserves the aesthetics of the park setting.	Cedar Creek	Smith	1	41.789136	-124.077784	2006 DFG FRGP #2006052041
721625	05/06	Del Norte	HI	Instream Restoration of Lower West Fork McGarvey Creek	Yurok Tribal Fisheries Program	Construct a minimum of 10 habitat structures. Objectives include improving rearing potential and spawning conditions by increasing instream habitat complexity and altering sediment storage dynamics.	West Fork McGarvey Creek	Lower Klamath	1	41.483955	-124.01344	2006 DFG FRGP #2006052041
722095	05/06	Del Norte	HI	East Branch Mill Creek Instream Habitat Improvement Project	Smith River Alliance	Increase instream habitat diversity by installing large wood which will increase pool size and depth and improve spawning and rearing habitat, for coho and Chinook salmon, steelhead and coastal cutthroat trout in a selected section of the East Branch of Mill Creek, tributary to Mill Creek, tributary to Smith River in Del Norte County. Construct 48 complex, log/rootwad instream structures along a 3.2 mile section of the East Branch Mill Creek. Approximately 37 logs will be incorporated into the structures.	East Fork Mill Creek	Smith	1	41.726443	-124.080202	2006 DFG FRGP #2006052041
722103	05/06	Del Norte	HI	Dominie Creek Instream Habitat Project	Pacific Coast Fish Wildlife and Wetlands Restoration Association	Improve spawning and rearing habitat by increasing habitat diversity, reducing fine sediment and improving riparian canopy for coho, Chinook, and steelhead in a selected section of Dominie Creek, tributary to Rowdy Creek, tributary to the Smith River in Del Norte County. Add approximately 12 logs and add 15 boulders to increase cover in 9 existing pools. The logs will be anchored to riparian trees and/or new and existing boulders.	Dominie Creek	Smith	1	41.942208	-124.142861	2006 DFG FRGP #2006052041

Project ID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
721634	05/06	Del Norte	HS	Lower Terwer Creek Bank Stabilization and Riparian Restoration Project	Yurok Tribal Fisheries Program	Stabilize 950 feet of erosive streambank using willow siltation baffles, willow stabilization techniques and planting native conifers, cottonwoods and maples on stream terraces. Construct native material log/boulder revetments to stabilize 600 feet of erosive streambank.	Terwer Creek	Lower Klamath	1	41.53393	-123.980756	2006 DFG FRGP #2006052041
721486	05/06	Del Norte	HU	Griffin Creek Sediment Reduction Project	Del Norte County	To eliminate catastrophic sediment delivery to the Griffin Creek watershed by replacing an existing culverted stream crossing. 6,500 cubic yards of sediment would be prevented from entering high quality downstream spawning and rearing habitat for Steelhead and Coastal cutthroat trout.	Griffin Creek	Smith	1	41.96291	-123.74857	2006 DFG FRGP #2006052041
721538	05/06	Del Norte	HU	Mainstream Terwer Creek Upslope Restoration Project	Yurok Tribe Watershed Restoration Department	This project will reduce road related habitat impact of Salmonids migration, spawning and rearing by removing unnecessary road segments and stream crossings that have been identified as high priority for treatment in the Terwer upslope assessment (Rhode 2004).	Terwer Creek	Lower Klamath	1	41.5987886	-123.966896	2006 DFG FRGP #2006052041
721582	05/06	Del Norte	HU	Wilson Creek Road Decommissioning and Erosion Prevention Project	Pacific Coast Fish Wildlife and Wetlands Restoration Association	Reduce impacts to and restore salmonid habitat through implementation of road decommissioning, erosion control and erosion prevention work in the Wilson Creek watershed.	Wilson Creek	Smith	1	41.6647013	-124.061068	2006 DFG FRGP #2006052041
722104	05/06	Del Norte	HU	Mill Creek Acquisition Culvert Repair and Sediment Reduction Project	Smith River Alliance	Replace and improve 16 stream crossings/culverts which pose a risk of failure in the immediate future. The objective is to protect and improve coho and Chinook salmon, and steelhead and cutthroat trout spawning and rearing habitat by reducing the potential of approximately 25,380 cubic meters of road fill from entering the Mill Creek and Rock Creek drainages. The project will also improve fish passage at an identified location by replacing a culvert with a bridge (site #8).	East Fork Mill Creek, Mill Creek, Rock Creek, West Branch Mill Creek	Smith	1	41.707247	-124.05512	2006 DFG FRGP #2006052041
721516	05/06	Humboldt	FP	Roney/Lindsey Creek Culvert Replacement Project	Humboldt Fish Action Council	Provide unimpeded access to spawning and rearing habitat by removing a culvert that is currently a barrier to fish passage, and replacing it with a bridge.	Lindsay Creek	Mad-Redwood	1	40.979627	-124.03691	2006 DFG FRGP #2006052041

Project ID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
721526	05/06	Humboldt	FP	Warden Creek Fish Passage Barrier Removal Project	Eel River Watershed Improvement Group	Remove a stream barrier in the form of a round corrugated metal pipe (cnp) from a stream crossing at the mouth of Warden Creek and replace it with a bottomless arch culvert. This will allow passage for migrating coho, Chinook, and steelhead every winter, and will allow for juvenile passage both upstream and downstream of the site. Project will create access to 3/4 mile of spawning and rearing habitat for coho, Chinook, and steelhead.	Warden Creek	South Fork Eel	1	40.0553	-123.8528	2006 DFG FRGP #2006052041
721556	05/06	Humboldt	FP	Rocky Gulch Culvert Replacement	Humboldt County Department of Public Works	Provide access to approximately 1.7 miles (9,200 feet) of potential anadromous fish habitat by replacing two existing culvert crossings that are fish passage barriers with embedded structural plate metal box culverts, and approximately 360 feet of stream channel capacity enhancement work.	Rocky Gulch	Mad-Redwood	1	40.820985	-124.078573	2006 DFG FRGP #2006052041
721560	05/06	Humboldt	FP	Grassy Creek Culvert Replacement	Humboldt County Department of Public Works	Provide access to approximately 9,300 feet (1.76 miles) of potential anadromous fish habitat by replacing a culvert that is a fish passage barrier, and constructing three additional rock weirs.	Grassy Creek	Mad-Redwood	1	40.931324	-124.018734	2006 DFG FRGP #2006052041
721661	05/06	Humboldt	FP	Steelelow Creek Fish Passage Project	Redwood National Park	Eliminate a barrier by replacing undersized, shotgun culverts with a footbridge.	Steelelow Creek	Mad-Redwood	1	41.345813	-124.04619	2006 DFG FRGP #2006052041
721697	05/06	Humboldt	FP	Retrofit Culvert with Baffles and Outlet Jump Pools at Chadd Creek	California Department of Transportation, District 1	A 9 1/2' diameter steel plate culvert, which currently acts as a fish migration barrier, will be retrofitted with in-culvert baffles and outlet jump pools.	Chadd Creek	Lower Eel	1	40.402074	-123.953187	2006 DFG FRGP #2006052041
722096	05/06	Humboldt	FP	Butte Creek Culvert Fish Passage Improvement Project	Eel River Watershed Improvement Group	Re-establish fish passage for steelhead trout in Butte Creek tributary to Van Duzen River in Humboldt County. The objective is to provide access to approximately 1.8 miles of habitat, to increase spawning habitat for adult salmonids and rearing habitat for juvenile salmonids. Install at least three back-flooding weirs downstream of existing culvert to improve fish passage.	Butte Creek	Lower Eel	1	40.419576	-123.683891	2006 DFG FRGP #2006052041

Project ID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
721523	05/06	Humboldt	HB	Watek (Mill) Creek Fish Passage Project	Coastal Stream Restoration Group	Manually remove the accumulated vegetation and root masses choking the mouth of Watek Creek, thus allowing the aggraded bedload stored above to flush out, and the natural hydrological flushing process to re-establish the channel to the original bed grade, allowing for fish passage at all life stages.	Watek Creek	Mad-Redwood	1	40.86376	-123.97136	2006 DFG FRGP #2006052041
721686	05/06	Humboldt	HB	South Fork Freshwater Creek Fish Passage and Habitat Enhancement Project	Humboldt Fish Action Council	Fish passage and instream habitat will be improved by modifying four complete and five temporal anadromous fish barriers. Barrier modifications will open up more than one mile of spawning and rearing habitat for salmonids. Ten instream log structures will also be constructed to improve salmonid habitat.	South Fork Freshwater Creek	Mad-Redwood	1	40.723486	-124.040159	2006 DFG FRGP #2006052041
721514	05/06	Humboldt	HI	Squaw Creek Confluence Habitat Enhancement	Mattole Salmon Group	Improve the quality and quantity of summer and winter salmonid habitat in the lower reaches of Squaw Creek and at its confluence with the mainstem Mattole River through the installation of instream log structures and log-boulder combination structures. The proposed project is designed primarily to address cold-water deficiencies for juvenile coho salmon and steelhead.	Mattole River, Squaw Creek	Mattole	1	40.268576	-124.226576	2006 DFG FRGP #2006052041
721517	05/06	Humboldt	HI	Lower North Fork Mad River Cover Enhancement Program	Coastal Stream Restoration Group	Complete the final phase of the Lower North Fork Cover Enhancement Program. The goal is to provide pool and cover habitat by increasing the LWD stream component, and increase the overall stream complexity within the treated areas. This will be accomplished by improving and enhancing appropriate stream reaches through the placement of log rootwad and boulder combinations, deflectors and clusters.	North Fork Mad River	Mad-Redwood	1	40.864357	-123.972316	2006 DFG FRGP #2006052041
721722	05/06	Humboldt	HI	Yager Creek Channel Restoration Project	Eel River Watershed Improvement Group	The objectives of this project are to improve habitat for salmonids by restoring physical processes which will reduce bank erosion/failure and enhance riparian development.	Yager Creek	Lower Eel	1	40.563181	-123.946438	2006 DFG FRGP #2006052041

Project ID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
721732	05/06	Humboldt	HI	Larabee Creek Channel Restoration Project	Eel River Watershed Improvement Group	The objectives of this project are to improve habitat for salmonids by restoring physical processes which will reduce bank erosion/failure and enhance riparian development.	Larabee Creek	Lower Eel	1	40.408099	-123.892197	2006 DFG FRGP #2006052041
721982	04/05	Humboldt	HI	Strawberry Creek Restoration	Pacific Coast Fish Wildlife and Wetlands Restoration Association	Improve anadromous fish passage, water quality and rearing habitat for coho salmon, coastal cutthroat and steelhead trout in Strawberry Creek tributary to Redwood Creek located in Humboldt County. Obtain all the regulatory permits and mechanically remove Reed Canary grass in and along approximately 5,300 feet of stream channel; restrict livestock access to approximately 5,100 feet of stream, and plant native riparian plant species. The work will immediately improve fish passage, instream habitat and water quality.	Strawberry Creek	Mad-Redwood	1	41.28601	-124.077885	2006 DFG FRGP #2006052041
721715	05/06	Humboldt	HS	Salmon Creek Streambank Stabilization Project	Jack Monschke Watershed Management	Improve spawning and rearing habitat by stabilizing streambanks, modifying fish barriers, restoring riparian canopy, and enhancing instream habitat (LWD). Five of the 12 sites included in this project are in Mill Creek, which is the prime coho refugia in the Salmon Creek Watershed.	Flicker Creek, Kinsey Creek, Mill Creek	South Fork Eel	1	40.2051965	-123.902718	2006 DFG FRGP #2006052041
722105	05/06	Humboldt	HS	China Creek Bank Stabilization Project	Eel River Watershed Improvement Group	Improve spawning and rearing habitat by increasing habitat diversity, reducing fine sediment for coho salmon, Chinook salmon and steelhead trout in a selected section of China Creek tributary to South Fork Eel River in Humboldt County. Remove approximately 150 cubic yards of unstable bank material and reslope bank to a 1:1 slope. Armor and buttress 200' of resloped stream bank using boulder armor and boulder/log structures. A total of 4 boulder single wing deflectors will be constructed.	China Creek tributary	South Fork Eel	1	40.106883	-123.928214	2006 DFG FRGP #2006052041

Project ID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
722106	05/06	Humboldt	HS	Church/Teague Bank Stabilization Project	Eel River Watershed Improvement Group	Improve spawning and rearing habitat by increasing habitat diversity, reducing fine sediment and improving riparian canopy for Chinook salmon and steelhead trout in a selected section of Van Duzen River, tributary to Eel River in Humboldt County. Armor and buttress approximately 200 feet of eroding river bank using 3 boulder/log wing deflectors spaced approximately 60 feet apart on center.	Van Duzen River	Lower Eel	1	40.526573	-124.037694	2006 DFG FRGP #2006052041
722107	05/06	Humboldt	HS	Kinsey Ranch Bank Stabilization Phase II	Eel River Watershed Improvement Group	Improve spawning and rearing habitat by increasing habitat diversity, reducing fine sediment and improving riparian canopy for Chinook salmon and steelhead trout in a selected section of East Branch South Fork Eel River, tributary to South Fork Eel River in Humboldt County. Armor and buttress approximately 100 feet of eroding stream bank with a boulder structure. One boulder wing deflector will be constructed.	East Branch South Fork Eel River	South Fork Eel	1	40.06417	-123.756127	2006 DFG FRGP #2006052041
722112	05/06	Humboldt	HS	Cross/Van Duzen River Bank Stabilization	Eel River Watershed Improvement Group	Improve spawning and rearing habitat by increasing habitat diversity, reducing fine sediment for Chinook salmon and steelhead trout in a selected section of Van Duzen River, tributary to Eel River and Humboldt County. The objective is to save 500 cubic yards of sediment from delivery, increase water depth, and increase cover complexity by constructing boulder structures along 200 feet of river bank.	Van Duzen River	Lower Eel	1	40.463571	-123.838714	2006 DFG FRGP #2006052041
721535	05/06	Humboldt	HU	Panther Island Watershed Road Rehabilitation Project - Phase II	California State Parks - North Coast Redwoods District	Protect and restore salmonid habitat by reducing road related sediment inputs. Seeks funding for Phase II (5.6 miles and 25 stream crossings) of a multiphase project designed to completely storm proof Panther and portions of Island watersheds by removing	Island Creek, Panther Creek	South Fork Eel	1	40.275442	-124.018622	2006 DFG FRGP #2006052041
721581	05/06	Humboldt	HU	Maple Creek/Big Lagoon Road Decommissioning and Erosion Prevention Project	Pacific Coast Fish Wildlife and Wetlands Restoration Association	Reduce impacts to and restore salmonid habitat through implementation of road decommissioning, erosion control and erosion prevention work in the Maple Creek/Big lagoon watershed.	Maple Creek	Mad-Redwood	1	41.099502	-124.118152	2006 DFG FRGP #2006052041

Project ID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
721635	05/06	Humboldt	HU	Shaw Creek Watershed Road Decommissioning and Sediment Control Project	Pacific Watershed Associates, Inc.	Reduce road-related sediment at 17 sediment source locations on 2.25 miles of abandoned roads. An estimated 7,920 cu. yds. of future erosion will be prevented.	Shaw Creek	Lower Eel	1	40.624003	-123.96002	2006 DFG FRGP #2006052041
721636	05/06	Humboldt	HU	Salmon Creek-Headwaters Forest Reserve Road Decommissioning and Erosion Prevention Project	Pacific Coast Fish Wildlife and Wetlands Restoration Association	Reduce impacts to and restore salmonid habitat through implementation of site specific and prioritized road decommissioning, erosion control and erosion prevention work in the Headwaters Forest Reserve portion of the Salmon Creek Watershed.	Salmon Creek	Mad-Redwood	1	40.63394	-124.10166	2006 DFG FRGP #2006052041
721638	05/06	Humboldt	HU	Elk River Watershed Road Decommissioning and Sediment Control	Pacific Watershed Associates, Inc.	Reduce an estimate of 14,383 cubic yards of road related sediment at 18 source locations on 3.0 miles of abandoned roads.	South Branch of the North Fork Elk River	Mad-Redwood	1	40.6667751	-124.0275332	2006 DFG FRGP #2006052041
721639	05/06	Humboldt	HU	Freshwater Creek Watershed Road Decommissioning and Sediment Control	Pacific Watershed Associates, Inc.	Reduce an estimated 21,622 cubic yards of sediment delivery at 82 source locations on 9.7 miles of abandoned roads.	Freshwater Creek	Mad-Redwood	1	40.769431	-124.047039	2006 DFG FRGP #2006052041
721725	05/06	Humboldt	HU	Bear Creek County Road Upgrades of Salmonid Recovery, Phase III	Mattole Restoration Council	Stormproof a segment of the King Peak Road to benefit anadromous salmon habitat in Bear Creek, a major upper Mattole River tributary rates as the most important refugia in the watershed. Upgrade 2.0 miles of Kings Peak Road; which drains into the South and North Forks of Bear Creek. This project will prevent 2,800 cubic yards of potentially deliverable sediment from entering the stream. Treatments will include culvert upgrades, road crowning, outslipping and berm removal.	North Fork Bear Creek, South Fork Bear Creek	Mattole	1	40.050203	-124.041905	2006 DFG FRGP #2006052041
721731	05/06	Humboldt	HU	Telegraph and Paradise Ridges Sediment Reduction for Coho Recovery	Mattole Restoration Council	Treat sediment sources at 92 sites along 11 road miles and 3,900 linear feet of streambank within an 11,700 acre project area in the upper Mattole River basin. Road decommissioning, stormproofing, and streambank stabilization treatments are intended to stabilize 36,165 cubic yards of sediment potentially deliverable to fish-bearing watercourses within the Eubanks, Big Finley, Little Finley, Nooning, Wolf, Deer Lick, McKee, and Sinkyone Creek tributary watersheds.	Big Finley Creek, Deer Lick Creek, Eubanks Creek, Little Finley Creek, McKee Creek, Nooning Creek, Sinkyone Creek, Wolf Creek	Mattole	1	40.084419	-123.993956	2006 DFG FRGP #2006052041

Project ID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
722108	05/06	Humboldt	HU	Miller Creek Gully and Slide Stabilization Project	Eel River Watershed Improvement Group	Improve spawning and rearing habitat by reducing coarse/fine sediment delivery for Chinook and coho salmon, and steelhead trout in Miller Creek, tributary to Redwood Creek, tributary to South Fork Eel River in Humboldt County. Treat approximately 50 feet of stream bank and upgrade one culvert crossing, saving 300 cubic yards of sediment from delivery to Miller Creek. Plant approximately 100 established conifers within the project area.	Miller Creek	South Fork Eel	1	40.115762	-123.914256	2006 DFG FRGP #2006052041
722109	05/06	Humboldt	HU	Miller Creek Stream Diversion Stabilization Project	Eel River Watershed Improvement Group	Improve spawning and rearing habitat by reducing fine/coarse sediment delivery for Chinook and coho salmon, and steelhead trout in Miller Creek watershed tributary to Redwood Creek tributary to South Fork Eel River in Humboldt County. Treat approximately 300 feet of intermittent stream saving 1,000 cubic yards of sediment from delivery to Miller Creek. Upgrade one culvert stream crossing; install 250 tons of rock armor; construct 5 boulder check dams; and armor one culvert outlet.	Miller Creek	South Fork Eel	1	40.137801	-123.916556	2006 DFG FRGP #2006052041
721509	05/06	Humboldt, Mendocino	HU	Upper Mattole Coho Recovery Project, Phase II	Mattole Restoration Council	Complete the second phase of sediment reduction treatments including road upgrades, decommissioning and streambank stabilization in the upper mainstream Mattole River and tributaries. Completion of this phase will result in treatment to every accessible sediment source within the 28 square-mile southern, sub-basin. In this project, 42 road and streambank sites will be treated to stabilize 9,420 cubic yards of sediment and convert a culverted crossing to a bridge to facilitate passage to high quality habitat in Van Auken.	Ancestor Creek, East Anderson, Harris, Stanley Creek, Van Auken	Mattole	1	40.01624	-123.94437	2006 DFG FRGP #2006052041
721578	05/06	Los Angeles	HS	Arroyo Sequit Bank Stabilization Project	California State Parks, Angeles District	Stabilize and revegetate 300 feet of bank along Arroyo Sequit, reducing sediment delivery, create riparian cover and improve habitat.	Arroyo Sequit	Santa Monica Bay	4	34.048071	-118.934902	2006 DFG FRGP #2006052041

Project ID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
722114	05/06	Mendocino	FP	Little Jack Creek Fish Passage and Sediment Control Project	Mendocino Redwood Company, LLC	Remove a failing culvert which is a barrier to coho salmon and steelhead access to approximately 2000 feet of stream habitat, and prevent about 4,000 cubic yards of potential sediment delivery to coho and steelhead habitat in the Little Jack Creek tributary to the North Fork Navarro River, Mendocino County. Remove the existing culvert and road fill prism on Masonite Road and replace it with a bridge and in-channel step-pool weirs that will allow upstream migration of coho and steelhead and improved passage for other aquatic species to approximately 2000 feet of spawning and rearing habitat.	Little Jack Creek	Big-Navarro-Garcia	1	39.203598	-123.545105	2006 DFG FRGP #2006052041
721471	05/06	Mendocino	HI	2005 Mill Creek Restoration Project, Phase V	Round Valley Indian Tribes	Develop approximately 2,500 feet of primary channel and modify ~1,200 feet of side channel stream course from what is currently a 600 foot wide channel width containing 5 side channels and no discernable main channel or riparian corridor into a single primary channel system with in-stream habitat cover diversity and riparian corridor vegetation. 2005 efforts will include: ~900 feet of boulder rap bank stabilization, ~900 Willow and Cottonwood springs planted interstitially, development of 18 Boulder & LWD scour pools and associated spawning grounds, 10 boulder weirs and planting ~1,000 feet of willow walls to promote bank stability and planting several thousand (~5,000) trees and willows to re-establish & develop a functional riparian corridor system.	Mill Creek	Middle Fork Eel	1	39.817708	-123.266739	2006 DFG FRGP #2006052041
721496	05/06	Mendocino	HI	South Fork 10 Mile River Large Wood Enhancement Project	Trout Unlimited - California Council	75 pieces of large woody debris will be added to the South Fork 10 Mile River, with the purpose of increasing the quality and quantity of salmonid habitat within the project reach. Additionally 2,500 redwood tress will be planted along the riparian corridor to improve future large woody debris recruitment.	South Fork Ten Mile River	Big-Navarro-Garcia	1	39.506526	-123.713996	2006 DFG FRGP #2006052041

Project ID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
721539	05/06	Mendocino	HI	Baechtel Headwaters Pool Enhancement	Art Haschak	Enhance instream habitat by creating deeper pools, armoring banks, stabilizing nick points, sorting gravel and providing fish cover. This will be done through a combination of rock/log weirs and digger logs, spider logs, wing deflectors, and native material revelements in approximately 47 locations.	Baechtel Creek	Upper Eel	1	39.362248	-123.414221	2006 DFG FRGP #2006052041
721627	05/06	Mendocino	HI	Hollow Tree Creek LWD Project	California Conservation Corps, Northern Service District, Fortuna Center	This project will address the limiting factor of the lack of LWD associated with pools as a form of complex cover.	Hollow Tree Creek	South Fork Eel	1	39.78653	-123.746414	2006 DFG FRGP #2006052041
721682	05/06	Mendocino	HI	Cottaneva Creek Habitat Enhancement Project	California Conservation Corps, Northern Service District, Fortuna Center	Address the limiting factors of riparian dysfunction and the lack of LWD associated with pools as a form of complex cover in Cottaneva Creek.	Cottaneva Creek	Big-Navarro-Garcia	1	39.786773	-123.821985	2006 DFG FRGP #2006052041
721690	05/06	Mendocino	HI	Mill Creek Coho Salmon Habitat Enhancement Project	Mendocino County Resource Conservation District	This project will address the problem of insufficient rearing and over wintering habitat for coho salmon and steelhead trout in lower Mill Creek, tributary to the Navarro River, as identified in the Navarro Watershed Restoration Plan (1998), install instream structures designed to scour pools and provide cover/concealment to salmonids.	Mill Creek	Big-Navarro-Garcia	1	39.120831	-123.507577	2006 DFG FRGP #2006052041
721706	05/06	Mendocino	HI	Albion River Large Wood Enhancement Project	California Conservation Corps, Northern Service District, Fortuna Center	100 pieces of large woody debris will be added to the Albion River as habitat improvement structures. By placing the woody debris in the Albion River, the complex cover associated with large pieces of wood will increase, improving the quality of salmonid rearing habitat within the project reach.	Albion River	Big-Navarro-Garcia	1	39.265674	-123.646381	2006 DFG FRGP #2006052041
721579	05/06	Mendocino	HS	Inman Creek Streambank Stabilization Project	Jack Monschke Watershed Management	Improve salmonid spawning and rearing habitat by stabilizing streambanks (reducing sediment deliver), restoring riparian canopy, and enhancing instream habitat (LWD replacement) at high priority sites on Inman Creek.	Inman Creek	Big-Navarro-Garcia	1	38.901397	-123.470351	2006 DFG FRGP #2006052041

Project ID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
721712	05/06	Mendocino	HS	Broadus Creek Streambank Stabilization and Riparian Revegetation Project	Bioengineering Institute	Objectives include limiting fine sediment inputs, enhancing salmonid habitat, and revegetating the riparian zone of Broadus Creek. Tasks include construction of salmonid habitat structures, streambank stabilization structures, and revegetation of the riparian zone through planting of native riparian species. Project will stabilize 3080 feet of bank and plant riparian trees within 7840 square feet.	Broadus Creek	Upper Eel	1	39.404096	-123.369113	2006 DFG FRGP #2006052041
722110	05/06	Mendocino	HS	Mill Creek Bank Restoration Project	Bioengineering Institute	Improve spawning and rearing habitat by reducing fine sediment and improving riparian canopy for Chinook and coho salmon, and steelhead trout in a selected section of Mill Creek, tributary to Outlet Creek, tributary to the Eel River in Mendocino County. Armor and buttress approximately 200 feet of eroding stream bank using bioengineered rock armor. The site will be stabilized and revegetated using angular quarried boulders to a height of six feet with willow sprigs planted in all interstices between the boulders.	Mill Creek	Upper Eel	1	39.412966	-123.358045	2006 DFG FRGP #2006052041
722115	05/06	Mendocino	HS	Van Zandt's Redwood View Resort Navarro Bank Stabilization Project	Van Zandt Ranch	Stabilize and revegetate approximately 500 feet of failing streambank which has delivered about 25,000 cubic yards of sediment to coho salmon and steelhead spawning habitat downstream, and has potential for future delivery of a similar amount. Work will occur on the north bank of the Navarro River near Philo, Mendocino County. Install bank stabilization structures, which may include boulder rip-rap, boulder wing deflectors, and boulder-willow J-hook baffles. Plant riparian vegetation and install a drip irrigation system for maintenance.	Navarro River	Big-Navarro-Garcia	1	39.058862	-123.444953	2006 DFG FRGP #2006052041

Project ID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
721603	05/06	Mendocino	HU	2005 South Fork Garcia River Phase 2 Watershed Erosion Control and Prevention Implementation Project	Trout Unlimited	Reduce impacts and restore salmonid habitat through implementation of site specific and prioritized road upgrades and decommissioning to reduce road-related sediment and to improve instream habitat for salmonid species in the South Fork River Watershed, Mendocino County, CA.	South Fork Garcia River	Big-Navarro-Garcia	1	38.844489	-123.553123	2006 DFG FRGP #2006052041
721649	05/06	Mendocino	HU	Timberlock Ranch, LLC Sediment Reduction Project, Middle Noyo River	Mendocino County Resource Conservation District	Reduce impacts and restore salmonid habitat through implementation of site specific and prioritized road upgrades and decommissioning in the Middle Noyo River Watershed, Mendocino County, CA.	Noyo River, Olds Creek	Big-Navarro-Garcia	1	39.4092616	-123.5124556	2006 DFG FRGP #2006052041
722111	05/06	Mendocino	HU	Upper Mattole Watershed Rehabilitation Phase II	Sanctuary Forest, Incorporated	Improve spawning and rearing habitat by reducing road related sediment delivery and improve access to spawning and rearing habitat by upgrading a stream crossing that is currently impeding fish passage. The project will benefit coho salmon, Chinook salmon, and steelhead trout in the Upper Mattole River and in the Thompson Creek sub-watershed in Mendocino County. The objective is to save 3,837 cubic yards of sediment from delivery to the Mattole River and its tributaries. Eight sites on 0.82 miles of road will be treated to reduce sediment delivery and improve fish passage.	Mattole River, Thompson Creek	Mattole	1	39.98733	-123.96455	2006 DFG FRGP #2006052041
722117	05/06	Mendocino	HU	Red Hill Gulch Sediment Control Project	Mendocino County Resource Conservation District	Protect coho and steelhead habitat by treating ongoing and potential future sediment delivery from 3 sites along approximately 0.3 miles of road, within the Mill Creek watershed tributary to Navarro River, in Mendocino County. Work will include installation of approximately two culverts and four rolling dips.	Mill Creek, Red Hill Gulch	Big-Navarro-Garcia	1	39.11993	-123.46334	2006 DFG FRGP #2006052041
721597	05/06	Mendocino, Sonoma	HU	Pepperwood Watershed Sediment Reduction Project	Gualala River Watershed Council	Implement road-related sediment reduction measures on 137 sites along 17.4 miles of road and abandon 1.64 miles of road within the Pepperwood Creek watershed, preventing 41,679 cubic yards of sediment from entering natural anadromous salmonid production streams.	Big Pepperwood Creek, Little Pepperwood Creek	Gualala-Salmon	1	38.783934	-123.460899	2006 DFG FRGP #2006052041

Project ID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
722116	05/06	Monterey	HU	Save the Redwoods League Post Creek Sediment Reduction Project	Pacific Watershed Associates	Implement road upgrading and storm proofing erosion control measures along approximately 0.5 miles of poorly drained, forest roads traversing steep slopes within the Post Creek Watershed, a tributary to Big Sur Creek, Monterey County. Reconstruct 2 stream crossings with drainage structures sized for a 100-year storm, install road drainage structures designed to disperse road runoff along 1,920 feet of road, which chronically delivers fine sediment to nearby streams.	Post Creek	Central Coastal	3	36.235788	-121.767115	2006 DFG FRGP #2006052041
721906	04/05	San Luis Obispo	HS	Wolff Vineyard Creek Restoration	Jean-Pierre Wolff	Improve steelhead habitat by reconstructing the incised creek channel to create as much flood capacity and meander length as possible within the available creek channel. A combination of instream structures, bank sloping and vegetative bioengineering is targeted to address the stream energy as best as possible within the site constraints.	West Corral de Piedra Creek	Central Coastal	3	35.2226	-120.5938	2006 DFG FRGP #2006052041
705127	03/04	San Mateo	FP	Frenchman's Creek Fish Passage Improvement Project	San Mateo County Resource Conservation District	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.	Frenchmans Creek	San Francisco Coastal South	2	37.50604	-122.43585	2006 DFG FRGP #2006052041
720273	04/05	San Mateo	HB	Barrier Removal, Memorial County Park	San Mateo County Parks and Recreation Division	Remove a flashboard dam structure and modify the Sequoia Flat Crossing on Pescadero Creek. Develop a drinking water well and replace an instream concrete crossing with and arched culverts. Completion of this project will result in the removal or modification of all human built structures in the Park, identified by DFG staff as a priority.	Pescadero Creek	San Francisco Coastal South	2	37.27557	-122.29078	2006 DFG FRGP #2006052041

Project ID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
721550	05/06	Santa Barbara	HS	Rancho La Vina Bank Restoration Project	Land Trust for Santa Barbara County	Stabilize 1600 linear feet of river bank by installing willow siltation baffles, lowering depositional gravel bar, grading banks, and recreating a riparian corridor along the Santa Ynez River.	Santa Ynez River	Santa Ynez	3	34.617563	-120.337243	2006 DFG FRGP #2006052041
705202	03/04	Santa Cruz	FP	West Branch Soquel Creek Fish Passage Barrier Removal	Santa Cruz County Resource Conservation District	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.	West Branch Soquel Creek	San Lorenzo-Soquel	3	37.05582	-121.94213	2006 DFG FRGP #2006052041
722118	05/06	Santa Cruz	FP	Tucker Road Ford Replacement with a Bridge	Santa Cruz County	Remove an existing at-grade concrete ford on Tucker Road at the West Branch of Soquel Creek, tributary to Soquel Creek in Santa Cruz County. The primary purpose of this project is to facilitate salmonid migration through this reach of creek via the replacement of the existing passage barrier (the ford and drop below concrete ledge of the ford) with a 120-foot span bridge that will pass the 100-year flood event. Shape banks to a minimum 2:1 slope.	West Branch Soquel Creek	San Lorenzo-Soquel	3	37.08828	-121.961547	Santa Cruz County Application number 06-0041
721741	05/06	Siskiyou	HR	French Creek Riparian Planting and Fencing	Siskiyou Resource Conservation District	The Siskiyou RCD will plant approximately 3 acres of riparian trees within areas in the French Creek sub-basin and construct 2,600 feet of fencing along the same reach of French Creek.	French Creek	Scott	1	41.415898	-122.853546	2006 DFG FRGP #2006052041
721530	05/06	Siskiyou	SC	Edson-Foulke Fish Screen	Shasta Valley Resource Conservation District	Build and install a self-cleaning screen on Parks Creek to protect salmonids from entrainment in 15.3 cfs diversion.	Parks Creek	Shasta	1	41.435391	-122.477412	2006 DFG FRGP #2006052041
721571	05/06	Siskiyou	SC	Shasta River Ekstrom Fish Screen	Resource Management	Design the installation and install the existing tube screen, which was previously constructed. This fish screen will be placed on a 1.2 cfs agriculture diversion on the Shasta River located on the Ekstrom Ranch to prevent entrainment of juvenile salmonids.	Shasta River	Shasta	1	41.662397	-122.497076	2006 DFG FRGP #2006052041
721707	05/06	Siskiyou	SC	Shasta River Joe Rice Fish Screen	Resource Management	Design, construct, and install a fish screen on a 3.51 cfs agriculture diversion on the Shasta River located on the Joe Rice Ranch to prevent entrainment of juvenile salmonids.	Shasta River	Shasta	1	41.683266	-122.514945	2006 DFG FRGP #2006052041

Project ID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
721559	05/06	Siskiyou	WC	East Fork Water Quality Improvement Project	Siskiyou Resource Conservation District	Reduce the volume of water diverted from the East Fork through converting an inefficient earthen ditch (China Cove Ditch) to an efficient piped ditch. Provide an alternative (efficient pressurized) irrigation system for the second half of the season to further reduce diversion volume from China Cove Ditch from historical use. Extend irrigation coverage of China Cove Ditch to efficiently irrigate and provide stockwater to field #20 in order to eliminate, late season diversion of the Big Mill Ditch, which will release cold water to the East Fork. Provide a properly sized fish screen for the China Cove Ditch (diversion #66-16 and 67-16 with total diversion volume of 4.77 cfs) on grade with the newly proposed system. Install a vortex boulder weir at head of China Cove Ditch to eliminate existing gravel dam construction and improve late season fish passage.	East Fork Scott River	Scott	1	41.309088	-122.74618	2006 DFG FRGP #2006052041
721631	05/06	Sonoma	HI	Austin Creek Forks 2005	California Conservation Corps, Ukiah Center	This project will improve rearing habitat for juvenile and adult Coho salmon and steelhead in the main stem of Austin Creek by creating pool habitat with three spider log structures, two mid channel boulder clusters. This project will also define the low flow channel with 30 willow baffle structures, and improve riparian canopy by planting 0.75 acres with 350 riparian plantings. This project will enhance both sides of the creek along a 1500' section of Austin Creek and East Austin Creek.	Austin Creek	Russian	1	38.507999	-123.068086	2006 DFG FRGP #2006052041

Project ID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
722113	05/06	Sonoma	HS	Nicol-Greene Riparian Restoration Project	Bodega Land Trust	Halt and reverse stream bank erosion and headcut within a 75 foot-long section of Salmon Creek, Sonoma County. Stabilize banks using bioengineering techniques; revegetate creek banks with native riparian plants following the removal of invasive plants; replace an undersized culvert to remove overland drainage from the erosion site. Install a large redwood log in the stream channel at an angle to deflect the stream flow away from the eroding bank.	Salmon Creek	Bodega Bay	1	38.388383	-122.931888	2006 DFG FRGP #2006052041
721608	05/06	Trinity	HI	Grass Valley Creek Gravel Supplementation Project	Trinity County Resource Conservation District	Supplement spawning gravel on upper Grass Valley Creek below Grass Valley Reservoir. This project will put 450 tons of washed 1-6" spawning gravel into Grass Valley Creek below Buckhorn Dam to improve spawning habitat.	Grass Valley Creek	Trinity	1	40.627917	-122.768194	2006 DFG FRGP #2006052041
721533	05/06	Ventura	HS	Ventura River Bank Restoration Project	Ojai Valley Land Conservancy	Stabilize and re-vegetate 300 ft. of unstable bank along the Ventura River and halt actively eroding agricultural land, thereby decreasing sedimentation, increasing shade and improving salmonid habitat.	Ventura River	Ventura	4	34.376852	-119.307881	2006 DFG FRGP #2006052041

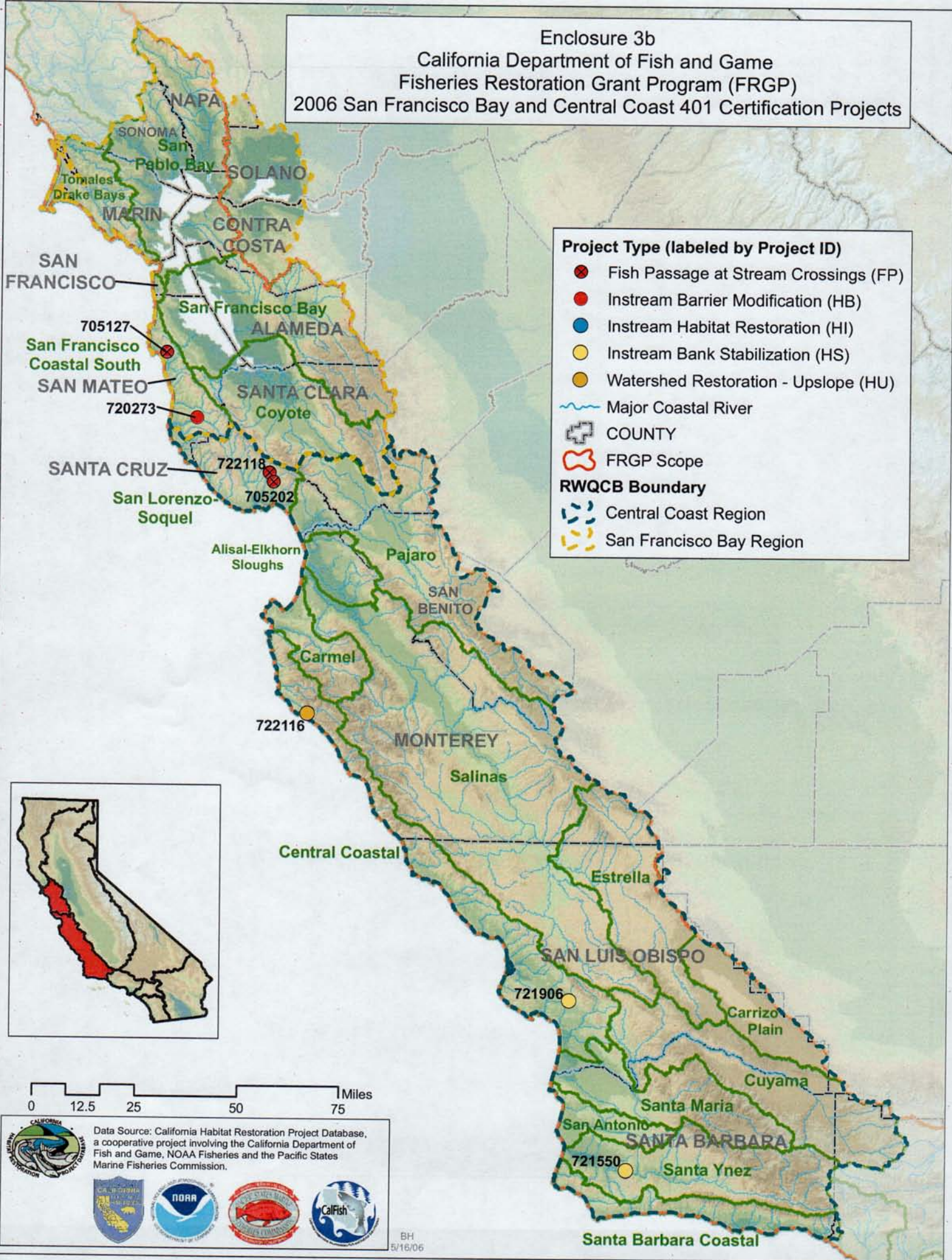
Project Types

FP – Fish Passage at Stream Crossings
 HI – Instream Habitat Restoration
 HS – Instream Bank Stabilization
 HU – Watershed Restoration (Upslope)
 HB – Instream Barrier Modification for Fish Passage
 HR – Riparian Restoration
 SC – Fish Screening of Diversions
 WC – Water conservation Measures (Ditch Lining, Piping, Stock Water Systems)

Enclosure 3a
California Department of Fish and Game - Fisheries Restoration Grant Program (FRGP)
2006 North Coast 401 Certification Projects



Enclosure 3b
 California Department of Fish and Game
 Fisheries Restoration Grant Program (FRGP)
 2006 San Francisco Bay and Central Coast 401 Certification Projects

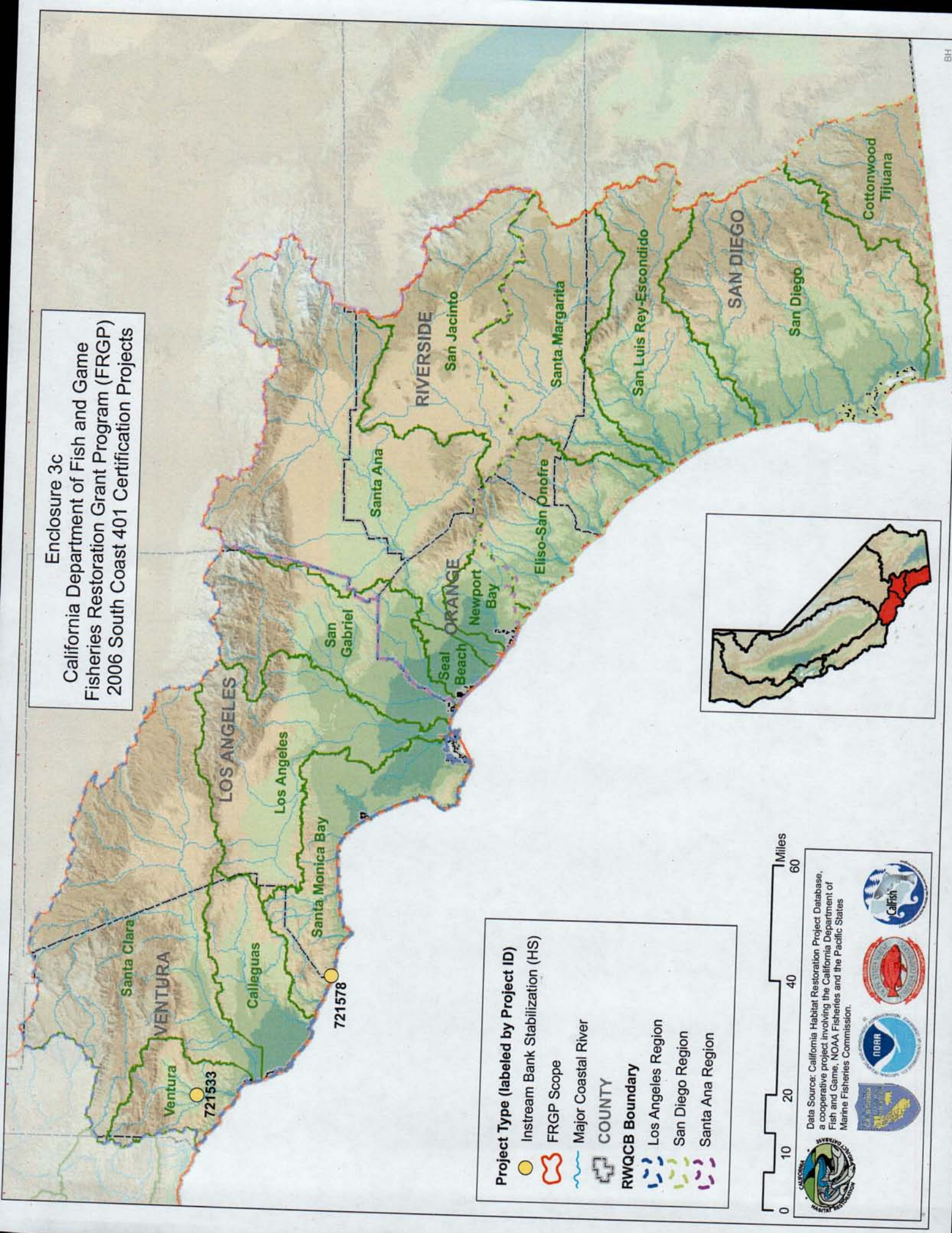


0 12.5 25 50 75 Miles

Data Source: California Habitat Restoration Project Database, a cooperative project involving the California Department of Fish and Game, NOAA Fisheries and the Pacific States Marine Fisheries Commission.



Enclosure 3c
California Department of Fish and Game
Fisheries Restoration Grant Program (FRGP)
2006 South Coast 401 Certification Projects



Project Type (labeled by Project ID)

● Instream Bank Stabilization (HS)

○ FRGP Scope

— Major Coastal River

□ COUNTY

— RWQCB Boundary

— Los Angeles Region

— San Diego Region

— Santa Ana Region



Data Source: California Habitat Restoration Project Database, a cooperative project involving the California Department of Fish and Game, NOAA Fisheries and the Pacific States Marine Fisheries Commission.

