



State Water Resources Control Board

Executive Office

Linda S. Adams
Secretary for
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Arnold Schwarzenegger
Governor

TO: Neil Manji, Chief
Fisheries Branch
Department of Fish and Game
830 S Street
Sacramento, CA 95814

FROM: 
Dorothy Rice, Executive Director
Executive Office

DATE: June 14, 2007

SUBJECT: CLEAN WATER ACT (CWA) §401 WATER QUALITY CERTIFICATION
FOR THE DEPARTMENT OF FISH AND GAME'S 2007 FISHERIES
RESTORATION GRANT PROGRAM

The Department of Fish and Game (DFG) has requested that the State Water Resources Control Board (State Water Board) issue a CWA §401 water quality certification (certification) for the 2007 Fisheries Restoration Grant Program (FRGP). There are 43 individual restoration projects funded by the 2007 FRGP.

Pursuant to Title 23, Section 3838 of the California Code of Regulations, I hereby make the certification determination described in Attachment 1 for these projects.

The following additional information is also made a part of this certification:

- Attachment 2: DFG's Certification Application, dated April 25, 2007;
- Attachment 3: Project Information Sheet;
- Attachment 4: 2007 FRGP Project List; and
- Attachments 5(a) & 5(b): Project Location Maps.

If you require further assistance, please contact Nancy Dagle, the staff person most knowledgeable on the subject, at (916) 341-5483 (ndagle@waterboards.ca.gov). You may also contact Valerie Connor, Manager of the Regulatory Section, Division of Water Quality, at (916) 341-5573 (vconnor@waterboards.ca.gov).

Attachments (5)

cc: (See next page)

California Environmental Protection Agency



cc: (Continuation page)

Wade Eakle, Chief
Regulatory Branch
San Francisco District
U.S. Army Corps of Engineers
333 Market Street
San Francisco, CA 94105-2197

Dave Castanon, Chief
Regulatory Branch
Los Angeles District
Ventura Field Office
U.S. Army Corps of Engineers
Department of the Army
2151 Alessandro Drive, Suite 110
Ventura, CA 93001

John Short
North Coast Regional Water Quality Control Board

Abigail Smith
San Francisco Bay Regional Water Quality Control Board

Dominic Roques
Central Coast Regional Water Quality Control Board

ORDER FOR CLEAN WATER ACT §401
WATER QUALITY CERTIFICATION (CERTIFICATION)
FOR DEPARTMENT OF FISH AND GAME (DFG),
2007 FISHERIES RESTORATION GRANT PROGRAM (FRGP).

DFG will fund 43 fisheries restoration projects through the FRGP fund. The projects will restore anadromous fisheries habitat in non-tidal reaches of rivers and streams, improve watershed conditions, and improve the survival, growth, migration, and reproduction of anadromous fish. The projects are located in Del Norte, Humboldt, Trinity, Siskiyou, Mendocino, Napa, Santa Cruz, San Luis Obispo, Santa Barbara, and Sonoma Counties.

All restoration projects funded by FRGP will be conducted based on DFG's *California Salmonid Stream Habitat Restoration Manual* (3rd Edition, January 1998), and mitigation measures described in Mitigated Negative Declaration (MND) for the 2007 FRGP.

On May 21, 2007, DFG, as lead agency, adopted a MND (SCH No. 2007042102) for the projects listed in Attachment 4 in accordance with the California Environmental Quality Act (CEQA). State Water Resources Control Board (State Water Board) staff has reviewed and considered the environmental document and the proposed mitigation measures. The State Water Board has determined that the project will not result in any significant adverse water quality impacts. The State Water Board will file a Notice of Determination within five days from the issuance of this Certification.

The U.S. Army Corps of Engineers (Corps), San Francisco District, has issued Regional General Permit (RGP) No. 12 for FRGP. DFG will consult the Corps' Los Angeles District for the four (4) projects located in Santa Barbara and San Luis Obispo Counties.

ACTION:

Order for Standard Certification

☒ Order for Technically Conditioned
Certification

☐ Order for Waiver of Waste
Discharge Requirements

☐ Order for Denial of Certification

AUTHORIZATION:

This Certification conditionally certifies all 43 restoration projects funded through the FRGP's 2007 grant cycle as listed in Attachment 4.

This Certification does not apply to the placement of any new culvert or channel liner in any water body, unless the project has been approved in writing by the 401 Program Manager of the appropriate Regional Water Quality Control Board(s) (Regional Water Board). Such project will be identified by DFG in the notification submitted to the Regional Water Board as required in Condition 4 (Notification below). The 401 Program Manager has 30 days

from the receipt of the notification to respond, otherwise the project may proceed under this Certification.

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. Best Management Practices (BMPs)

- a. Appropriate BMPs shall be implemented throughout the project activities to help minimize sediment disturbance and suspension within the water as described in this section, and also in the MND for the 2007 FRGP (summarized in Attachment 2, section 11).
- b. No work shall be conducted during the winter period (November 1-April 15), unless prior approval has been obtained from the 401 Program Manager of the appropriate Regional Water Board(s).
- c. Except for "minor actions" as described in Attachment 2, section 11, all work areas shall be effectively isolated from stream flows using suitable control measures before commencement of any in-water work. The diverted stream flow shall not be contaminated by construction activities.
- d. Structures for isolating the in-water work area and/or diverting the stream flow (e.g., coffer dam, geo-textile silt curtain) shall not be removed until all disturbed areas are cleaned and stabilized.
- e. In the event of rain, the disturbed in-water work area shall be temporarily stabilized before stream flow exceeds the capacity of the diversion structure. The disturbed streambed shall be stabilized so that the disturbed areas will not come in contact with the stream flow.

- f. All areas disturbed by project activities shall be protected from washout and erosion.
- g. For projects requiring re-vegetation of disturbed areas, native species shall be used.
- h. The discharge of petroleum products or other pollutants to surface waters that may result in violation of water quality standards is prohibited. Activities shall not cause visible oil, grease, or foam in the work area or downstream.
- i. Fueling, lubrication, maintenance, storage, and staging of vehicles and equipment shall be outside of waters of the State. Fueling, lubrication, maintenance, storage, and staging of vehicles and equipment shall not result in a discharge or a threatened discharge to any waters of the State.
- j. When a project is completed, any excess material or debris shall be removed from the work area and disposed of properly.

2. Posting

A copy of this Certification must be provided to the contractor and all subcontractors who will work at the project site, and must be in their possession at the work site. The project proponent and all contractors and subcontractors shall be familiar with all conditions of this Certification.

3. Monitoring

DFG shall provide to the State and appropriate Regional Water Board staff copies of reports documenting the following monitoring activities described in the MND for the 2007 FRGP:

- a. Post-project monitoring immediately after the activity is completed to ensure that projects are completed as designed; and
- b. Effectiveness monitoring on a random subset of ten percent of the projects, within one to three years after project completion.

4. 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 proponent shall submit to the 401 Program Manager of the appropriate Regional Water Board(s) a notification indicating the expected start, completion dates of project activities, project ID, and water body name(s).

For projects with placement of new culvert and channel liner, the notification shall also include the following information:

- a. Describe installation activities; include any structural control details, such as structure for diverting stream flow around the in-stream excavation area, temporary rubber dam, silt curtain, and any treatment device/facility;
- b. Describe the control measures or BMPs during and post construction to minimize impacts (e.g., habitat losses, erosion control measures, flow diversions; etc.);
- c. Any compensatory mitigation if necessary.

5. Reporting

While this Certification is in effect, or until all projects have been completed or de-funded, 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 Attachment 4;
- 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;
- h. Whether each project is on-going or completed; and
- i. Required monitoring reports as described in Additional Condition #3 (Monitoring).

Notifications and Annual Reports shall be directed to "Program Manager, Certification and Wetlands Program" at the following State and appropriate Regional Water Board office(s):

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

6. Violations

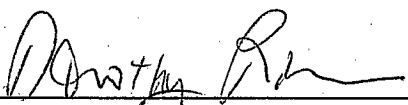
- a. DFG or its contractor and subcontractors shall verbally report any non-compliance to the 401 Program Manager of the appropriate Regional Water Board where the project is located within 24 hours from the time when DFG or its contractor and subcontractors become aware of the circumstances.
- b. DFG or its contractor and subcontractors shall report in writing to the State Water Board and appropriate Regional Water Board all violations of any terms or conditions of this Certification within seven (7) consecutive days from the time DFG becomes aware of the violation. The written report shall contain:
 - i. A description of the violation and its cause;
 - ii. 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
 - iii. Steps taken or planned to reduce, eliminate, and prevent recurrence of the violation.
- c. 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, processes, or sanctions as provided for under State law. For purposes of the Clean Water Act (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.
- d. 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.
- e. 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 Attachment 4 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.waterboards.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 (Attachment 2) and the Project Information Sheet (Attachment 3), and (b) compliance with all applicable requirements of the appropriate Regional Water Board's Water Quality Control Plan and the Mitigated Negative Declaration for the 2007 FRGP.



Dorothy Rice, Executive Director
State Water Resources Control Board

6.14.07

Date



Terry Tamminen
Secretary for
Environmental
Protection

State Water Resources Control Board

Division of Water Quality, Water Quality Certification Unit

1001 I Street, 15th Floor, Sacramento, CA 95814



Arnold Schwarzenegger
Governor

CLEAN WATER ACT §401 WATER QUALITY CERTIFICATION APPLICATION FORM FOR MULTI-REGIONAL PROJECTS

Use this form for multi-Regional projects only. For projects located entirely within one Regional Board, use that Region's application form, available on that Region's website. To access Regional Board websites, go to www.waterboards.ca.gov, and click on the appropriate Regional Board link on the left.

1. APPLICANT/AGENT INFORMATION

a) Applicant: Neil Manji Department of Fish and Game	b) Agent ¹ :
Address: Fisheries Branch	Address:
830 S Street	
Sacramento, CA 95814	
Phone No. 916-327-8840	Phone No.
Fax No. 916-327-8854	Fax No.
E-mail Address: nmanji@dfg.ca.gov	E-mail Address:
Have you previously contacted the Regional Board staff regarding this project? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If 'yes' provide information on date, person, and brief summary of subject matter.	

STATEMENT OF AUTHORIZATION

I hereby authorize _____ to act in my behalf as my agent in the processing of this application, and to furnish upon request, supplemental information in support of this permit application.

Applicant's Signature

Date

¹Complete only if applicable

2. PROJECT DESCRIPTION

a) Project Title: California Department of Fish and Game – Year 2007 – Fisheries Restoration Grant Program
b) Project Purpose: The purpose of the project 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.
The California Department of Fish and Game, through the Fisheries Restoration Grant Program (FRGP), uses funds mandated to restore degraded anadromous fish habitat in coastal streams for a variety of

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salmonid habitat restoration projects. Restoration projects must be consistent with procedures found in CDFG's "*California Salmonid Stream Habitat Restoration Manual*" (<http://www.dfg.ca.gov/nafwb/manual.html>). The FRGP manages an annual grant cycle initiated in the spring of each year.

The FRGP supports a variety of projects from sediment reduction to watershed education throughout coastal California. Projects selected for funding have two years to implement the projects, and most of the habitat restoration activities take place during the dry summer season. The majority of this funding is awarded for habitat restoration projects that improve overhead cover, spawning gravels, and pool habitat; reduce or eliminate erosion and sedimentation impacts; screen diversions, and remove barriers to fish passage. These habitat restoration activities conform with mandates of the California Legislature in the Fish and Game Code and Public Resources Code. Funds are also awarded for indirect habitat restoration activities.

c) Project Activities:

The proposed activities are designed to restore salmon and steelhead habitat with the goal of increasing populations of wild anadromous fish in coastal streams and watersheds. Habitat restoration activities and practices, covered in more detail below, include fish passage projects, bank stabilization treatments, upslope road decommissioning or repair, and replacement or modification of culverts that are barriers to fish passage.

See attached – list of projects.

Proposed structures would provide predator escape and resting cover, increase spawning habitat, improve upstream and downstream migration corridors, improve pool to riffle ratios, and add habitat complexity and diversity. Some structures would be designed to reduce sedimentation, protect unstable banks, stabilize existing slides, provide shade, and create scour pools. Drawings are included as an attachment to the Regional General Permit. See attached.

The following habitat restoration activities conform with state law and are implemented consistent with the California Salmonid Stream Habitat Restoration Manual, (Flosi et al). This manual was given to SWRCB staff at the March 16, 2005 meeting. Website - <http://www.dfg.ca.gov/nafwb/index.html>.

Instream habitat improvements may include: cover structures (divide logs; digger logs; spider logs; and log, root wad and boulder combinations), boulder structures (boulder weirs; vortex boulder weirs; boulder clusters; and single and opposing boulder wing-deflectors), and log structures (log weirs; upsurge weirs; single and opposing log wing-deflectors; and Hewitt ramps). Techniques and practices are identified in Part VII of the California Salmonid Stream Habitat Restoration Manual. Techniques for placement of imported spawning gravel are identified on page VII-46 of the California Salmonid Stream Habitat Restoration Manual.

- Unanchored large woody debris may be used to enhance pool formation and improve stream reaches. First through third order streams are generally best suited. Logs selected for placement should have a minimum diameter of 12 inches and a minimum length 1.5 times the mean bankfull width of the stream channel type reach and the deployment site. A root wad should be selected with care and have a minimum root bole diameter of five feet and a minimum length of fifteen feet and at least half the channel type bankfull width. More information can be found on page VII-23 of the California Salmonid Stream Habitat Restoration Manual.
- Fish screens are used to prevent entrainment of juvenile salmonids in water diverted for agriculture,



power generation, or domestic use, and are needed on both gravity flow and pump diversion systems. Guidelines for functional designs of downstream migrant fish passage facilities at water withdrawal projects are found in Appendix S of the California Salmonid Stream Habitat Restoration Manual. The appendix covers structure placement, approach velocity, sweeping velocity, screen openings, and screen construction.

- Fish passage at stream crossings include activities that provide fish friendly crossings where the crossing width is at least as wide as the active channel, culvert passes are designed to withstand a 100 year storm flow, and crossing bottoms are buried below the streambed. Examples include: replacement of barrier stream crossings with bridges, bottomless arch culverts, embedded culverts, or fords. Guidelines for fish passage practices are covered in Part IX of the California Salmonid Stream Habitat Restoration Manual. Baffled culvert (Washington baffles and steel ramp baffles), fishways (step and pool, Denil fishway, Alaskan steep pass and back-flooding weirs), and fish ladders are described in Part VII.

Fish Passage Improvements include removal of obstructions (log jams, beaver dams, waterfalls and chutes and landslides. Suitable large woody debris removed from fish passage barriers that are not used by the project for habitat enhancement shall be left within the riparian zone so as to provide a source for future recruitment of wood into the stream. Log jam barriers are typically less than 10 cubic yards. Guidelines for fish passage improvements are covered in Part VII of the California Salmonid Stream Habitat Restoration Manual.

- Upslope restoration activities reduce sediment delivery to anadromous streams including: road decommissioning, road upgrading, and storm proofing roads (replacing high risk culverts with bridges, installing culverts to withstand the 100 year flood flow, installing critical dips, installing armored crossings, and removing unstable sidecast and fill materials from steep slopes.). Guidelines for upslope restoration practices are covered in Part X of the California Salmonid Stream Habitat Restoration Manual.
- Watershed and stream bank stability activities reduce sediment from watershed and stream bank erosion. Examples include: slide stabilization, stream bank stabilization, boulder stream bank stabilization structures, log stream bank stabilization structures, tree revetment, native material revetment, mulching, revegetation, willow wall revetment, brush mattress, checkdams, brush checkdams, waterbars, exclusionary fencing. Guidelines for watershed and streambank stability are covered in Part VII of the California Salmonid Stream Habitat Restoration Manual.

- d) Proposed Schedule (start-up, duration, and completion dates): Varies with individual projects. Per the RGP the window for most instream activities is June 15 thru November 1.
- e) Restoration projects typically occur during the dry summer season, and are usually completed within two years of a grant being issued.



3. FEDERAL LICENSES/PERMITS

a) Federal Agency(ies)/File Number(s): U.S. Army Corps of Engineers <input checked="" type="checkbox"/> Other _____ File No.(s) (if known) _____
b) Permit Type(s) (please provide permit number(s) if known): Nationwide Permit No.(s) <u>27 is being used for project activities in San Luis Obispo and Santa Barbara counties</u> Regional General Permit No.(s) <u>12 (File no. 27922N)</u> Individual Permit _____ Other _____
c) Does the project require any Federal Application(s), Notification(s) or Correspondence? <input checked="" type="checkbox"/> YES (attach copy[ies]) <input type="checkbox"/> NO (attach detailed explanation)
d) Provide copies of the license/permit/application. <u>See enclosed Regional General Permit.</u>

4. OTHER LICENSES/PERMITS/AGREEMENTS

a) Please list all other required, including local regulatory approvals (submit final or draft copy if available). Include information on any De-watering, NPDES, and Storm Water permits.			
Agency	License/Permit/Agreement	Permit No.	Approval Date
Department of Fish and Game	Streambed Alteration Agreements*	various	various
*Prepared in response to individual actions.			
b) Does the project require a Federal Energy Regulatory Commission (FERC) license or amendment to a FERC license? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (application copy)			

5. CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)

Indicate CEQA Document (submit final or draft copy if available*): <u>The FRGP Mitigated Negative Declaration document. (SCH# 2007042102) can be viewed at http://www.dfg.ca.gov/html/pubnotice.html</u>	
Type of CEQA Document	Date of filing of Notice of Exemption/ Preparation and Name of Lead Agency
Statutory Exemption/Class Title	
Categorical Exemption/Class Title	
Negative Declaration	
Mitigated Negative Declaration	<u>DFG prepares annually a mitigated negative declaration for actions conducted by public and non-profit entities. The document was delivered to the State Clearinghouse on April 18, 2007 and given the SCH# 2007042102</u>
Environmental Impact Report	

Note: Ample time must be provided to the certifying agency to properly review a final copy of valid CEQA documentation before certification can occur.

6. APPLICATION FEE

Provide an initial deposit of \$500.00 for the application. Please write a check made out to the State Water Resources Control Board.

Is a check enclosed? ☐ NO ☒ YES Check Number 379-579586 Amount \$500.00

7. PROJECT SITE DESCRIPTION – GENERAL (Include areas outside of US waters)

a) Project Location (attach map of suitable quality and detail):

City or Area See attached map(s) County - Del Norte, Humboldt, Trinity, Siskiyou, Mendocino, Napa, Santa Cruz, San Luis Obispo, Santa Barbara, Sonoma

Longitude/Latitude Multiple

b) Total Project Size: Throughout coastal counties in California acres linear feet (if appropriate)

c) Site description of the entire project area (including areas outside of jurisdictional water of the US):

Salmonid habitat restoration activities typically occur in watersheds that have been subjected to significant levels of logging, road building, urbanization, mining, grazing, and other activities that have reduced the quality and quantity of stream habitat available for native anadromous fish. The location of these restoration activities will take place in the above mentioned counties.

8. WATER BODY IMPACT

a) **Water Body Name(s)**²:

Clearly indicate on a published map of suitable detail, quality, and scale (1:24K) to allow the certifying agency to easily identify the area(s) and water body(ies) receiving any discharge. Various streams and rivers throughout coastal California counties. See attached map(s).

b) **Fill and Excavation:** Indicate in ACRES and/or LINEAR FEET the proposed waters to be impacted, and identify the impacts(s) as permanent and/or temporary for each water body type listed below:

Water Body Type	Permanent Impact		Temporary Impact	
	Acres	Linear Feet	Acres	Linear Feet
Wetland ³				
Streambed			<u>various</u>	
Lake/Reservoir				
Ocean/Estuary/Bay				
Riparian				<u>various</u>
Isolated Waters ⁴				

Provide the name, title, and affiliation of person that carried out wetland delineation.

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- c) **Dredging:** Volume (cubic yards) of dredged material to be discharged in waters of the United States. No dredged materials will be discharged into the waters of U.S. as a result of this project.

- e) **SWANCC:** Is the water body “isolated” (SWANCC-related)? ☐ YES ☒ NO

d) Provide information on the Q_2 , Q_{10} , Q_{100} for pre- and post-project implementation. The project will not substantially alter the existing drainage pattern of the work sites, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on- or off-site. The project will decrease the risk of flooding through upslope restoration activities that will return drainage to historic patterns, thereby increasing infiltration and decreasing surface runoff.

- e) Indicate type(s) of material proposed to be discharged in waters of the United States: Fish habitat and bioengineering structures as defined in the *California Salmonid Stream Habitat Restoration Manual*. Some projects may replace existing earth fillroad crossings after retrofitting undersized culverts to pass a Q_{100} and provide fish passage where needed.

² Both US Army Corps of Engineer’s jurisdictional- and non-jurisdictional or isolated waters (SWANCC).

³ Per US Army Corps of Engineer’s wetland delineation protocol.

⁴ SWANCC-related (isolated) water body.

9. COMPENSATORY MITIGATION (Please complete attached Mitigation Checklist)

- a) Is compensatory mitigation proposed? ☐ YES ☒ NO
- b) Indicate in ACRES and LINEAR FEET (where appropriate) the total quantity of **waters of the United States** proposed to be Created, Restored and/or Enhanced for purposes of providing Compensatory Mitigation:

Water Body Type	Created	Restored	Enhanced	Set Aside for Protection
Wetland				
Streambed				
Lake/Reservoir				
Ocean/Estuary/Bay				
Riparian				
Isolated Waters				

- c) If contributing to a Mitigation Bank provide the following:

Mitigation Bank Name:
Name of Mitigation Bank Operator:
Office Address of Operator/Phone Number:
Mitigation Bank Location (Latitude/Longitude, County, and City):
Mitigation Bank Water Body Type(s):
Mitigation Area (acres or linear feet) and cost (dollar):

- d) Provide/attach a map with suitable detail, quality, and scale (1:24K) that will easily provide information as to the location(s) and water body(ies) of the mitigation area.



10. THREATENED/ENDANGERED SPECIES

- a) Does the project require coordination with the US Fish and Wildlife Service or National Marine Fisheries Service under the Federal Endangered Species Act?
- ☒ YES (provide copies of Biological Report) Copy of NMFS and USFWS B.O.s are in the attached RGP 12 (27922N).
- The project proponents for the four (4) projects located in Santa Barbara and San Luis Obispo counties will independently consult with the Los Angeles office of the US Army Corps of Engineers for their 404 permit. The USACOE will determine the need for Section 7 consultation for each of these projects. ☐ NO (provide basis of determination)
-
- b) Does the project require coordination with the State of California Department of Fish and Game under the California Endangered Species Act?
- ☒ (Possibly. Depends on specific actions proposed) YES (provide copies of Biological Report)
- ☐ NO (provide basis of determination)

11. OTHER ACTIONS/BEST MANAGEMENT PRACTICES (BMPs)

Briefly describe other actions/BMPs to be implemented to Avoid and/or Minimize impacts to waters of the United States, including preservation of habitats, erosion control measures, project scheduling, flow diversions, etc.

Best Management Practices related to salmonid habitat restoration activities have been developed over the life of this program (26 years) and are presented in the most recent edition of the California Salmonid Stream Habitat Restoration Manual. This manual is regularly updated to include the latest information necessary to successfully implement habitat restoration activities as well as minimize impacts.

The following section describes the general measures for protection of water quality. A more detailed description can be found in the 2007 Fisheries Restoration Grant Program Proposed Mitigated Negative Declaration.

Measures to protect water quality during implementation of fisheries restoration actions include:

- All habitat improvements shall be carried out under the supervision of qualified DFG staff and conducted in accordance with techniques in the "California Salmonid Stream Habitat Restoration Manual." This assures that habitat structures are appropriate for each individual site. The manual is available at: <http://www.dfg.ca.gov/nafwb/index.shtml>.
- The number of access routes, number and size of staging areas, and the total area of the work site activity shall be limited to the minimum necessary to complete the restoration action.
- Project work within the wetted stream shall be limited to the period between June 15 and November 1, or the first significant fall rainfall. This is to take advantage of low stream flows and to avoid the spawning and egg/alevin incubation period of salmon and steelhead. Whenever possible, the work period at individual sites shall be further limited to entirely avoid periods when salmonids are present (for example, in a seasonal creek, work will be confined to the period when the stream is dry).
- Work with heavy equipment shall be performed in isolation from flowing water, except as may be necessary to construct coffer dams to divert stream flow and isolate the work site. If there is any flow when the work is done, the contractor shall construct coffer dams upstream and downstream of the excavation site and divert all flow from upstream of the upstream dam to downstream of the downstream dam. The coffer dams may be constructed with clean river gravel or sand bags, and may be sealed with sheet plastic. Sand bags and any sheet plastic shall be removed from the stream upon project completion. Clean river gravel may be left in the stream, but the coffer dams must be breached to return the stream flow to its natural channel.

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- For minor actions, where the disturbance to construct coffer dams to isolate the work site would be greater than to complete the action (for example, placement of a single boulder cluster), then measures will be put in place immediately downstream of the work site to capture suspended sediment. This may include installation of silt catchment fences across the stream, or placement of filter berm of clean river gravel. Silt fences and other non-native materials will be removed from the stream following completion of the activity. Gravel berms may be left in place after breaching, provided they do not impede the stream flow.
- The channel shall not be excavated for the purpose of isolating the workspace from flowing water.
- Before work is allowed to proceed at a site, DFG will inspect the site to assure that turbidity control measures are in place.
- If it is necessary to divert flow around the work site, either by pump or by gravity flow, the suction end of the intake pipe shall be fitted with fish screens meeting DFG and NMFS criteria to prevent entrainment or impingement of small fish. Any turbid water pumped from the work site itself to maintain it in a dewatered state shall be disposed of in an upland location where it will not drain directly into any stream channel.
- Any disturbed banks shall be fully restored upon completion of construction. Revegetation shall be done using native species. Planting techniques can include seed casting, hydroseeding, or live planting methods using the techniques in the latest version of the California Salmonid Stream Habitat Restoration Manual.
- Bare soil will be seeded, mulched, and planted as necessary, using best management practices described in the salmonid restoration handbook.
- Soil will only be compacted to the extent necessary to reduce any surface erosion that may occur in the first heavy rainfall.
- Suitable large woody debris removed from fish passage barriers that is not used for habitat enhancement, shall be left within the riparian zone so as to provide a source for future recruitment of wood into the stream.
- The contractor shall have dependable radio or phone communication on-site to be able to report any accidents or fire that might occur.
- Heavy equipment that will be used in these activities will be in good condition and will be inspected for leakage of coolant and petroleum products and repaired, if necessary, before work is started.
- All equipment operators will be trained in the procedures to be taken should an accident occur. Prior to the onset of work, DFG shall ensure that the contractor has prepared a plan to allow a prompt and effective response to any accidental spills. All workers shall be informed of the importance of preventing spills and of the appropriate measures to take should a spill occur.
- All activities performed in or near a stream will have absorbent materials designed for spill containment and cleanup at the activity site for use in case of an accidental spill.
- All fueling and maintenance of vehicles, other equipment, and staging/storage areas shall be located at least 20 meters from any riparian habitat or water body. The contractor shall ensure contamination of habitat does not occur during such operations.
- Stationary equipment such as motors, pumps, generators, compressors, and welders, located within the dry portion of the stream channel or adjacent to the stream, will be positioned over drip-pans.
- DFG shall ensure that the contractor or responsible party is aware of these site-specific conditions, and will inspect the work site before, during, and after completion of the action item.
- If for some reason these mitigation measures cannot be implemented, or the project actions

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proposed at a specific work site cannot be modified to prevent or avoid potential impacts to anadromous salmonids or their habitat, then activity at that work site will be discontinued.

12. PAST/FUTURE PROPOSALS BY THE APPLICANT

Briefly list/describe any projects carried out in the last 5 years or planned for implementation in the next 5 years that are in any way related to the proposed activity or may impact the same receiving body of water. Include estimated adverse impacts.

Over the last eight years, hundreds of salmonid habitat restoration actions have been completed by government and public agencies, nonprofit groups and tribes in accordance with Regional General Permit 22323N, 27922N and guided by the California Salmonid Stream Habitat Restoration Manual. Activities have included revegetation with livestock enclosure fencing, riparian planting, barrier removal, bank stabilization and other bank protection, and decommissioning of roads and improving drainage systems on existing roads. Instream structures such as boulder clusters, wing deflectors, and log cover have also been used. Culverts that have impeded fish migration have been replaced with bridges or culverts with natural stream bottoms allowing fish access to additional stream reaches. Finally, other watershed improvement activities include: construction of tailwater recovery systems to improve water quality, installation of fish screens to prevent entrainment of juvenile salmon and steelhead, and ditch lining and piping to reduce diversions and increase instream flows. These actions create spawning and nursery habitat, provide escape cover and prevent fine sediments from entering streams.

All habitat restoration actions have been conducted under the supervision of qualified Fish and Game staff to ensure compliance with protective measures. Long term effectiveness monitoring is conducted on a sub-sample of each type of project as was required under Regional General Permit No. 22323N and now required under Regional General Permit No.12 (File No. 27922N). Project monitoring has shown significant habitat improvements in streams where this work has taken place. Complete monitoring specifications are included in the California Salmonid Stream Habitat Restoration Manual including survey protocols and data interpretation. A gradual rebuilding of salmon and steelhead populations is expected as this program continues.

Applicant's or Agent's Name (print)

Applicant's or Agent's Signature

Date

For further information please
email: LBierwirth@waterboards.ca.gov

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PROJECT INFORMATION SHEET

1.	Applicant & Agent	California Department of Fish and Game (DFG)
2.	Project Name and Purpose	California Department of Fish and Game, Year 2007 – Fisheries Restoration Grant Program The purpose of the project is to restore anadromous fisheries habitat in non-tidal reaches of rivers and streams, improve watershed conditions, and improve the survival, growth, migration, and reproduction of anadromous fish.
3.	Receiving Water(s) Name	Refer to Attachment 4.
4.	Hydrologic Unit(s)	
5.	Latitude/Longitude	Refer to Attachment 4.
6.	Water Body Type(s) & Area of Filled / Excavated Waters (Acres)	Refer to Attachment 4.
7.	Dredge Volume (CY)	It is not a dredging project.
8.	Federal Permit(s)	Army Corps of Engineer (Corps), San Francisco District Regional General Permit 12 (File no. 27922N), and National Wide Permit 27. DFG will consult the Corps' Los Angeles District for the four (4) projects located in Santa Barbara and San Luis Obispo Counties.
9.	Non-Compensatory Mitigation	DFG will implement the mitigation measures identified in Mitigated Negative Declaration, and comply with conditions in this Certification. In summary, these conditions include: 1. Storm water runoff will be diverted from disturbed areas; 2. No work during the winter period (Nov 1- April 15) without prior approval; 3. All temporary disturbed areas will be re-vegetated using indigenous plants; 4. Stream flow will be diverted around the in-stream excavation site, and other conditions (see Certification).
10.	Compensatory Mitigation	No compensatory mitigation is required.
11.	Optional Additional Information	California Environmental Quality Act: Lead Agency – DFG. Mitigated Negative Declaration (SCH No. 2007042102)

Fiscal Year 2006/2007 Fisheries Restoration Grant Program List for 401 Certification

ProjID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
720332	04/05	Del Norte	HU	McGarvey Creek Upslope Restoration Project	Yurok Tribe Watershed Restoration Department	Decommission 3.5 miles of road. Excavate fill from 21 stream crossings. Excavate fill from 17 road prism landslides. Install cross road drains to disperse runoff.	McGarvey Creek	Lower Klamath	North Coast Region	41.47681	-124.02537	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722175	06/07	Del Norte	HU	Terwer Creek Upslope Implementation Project	Yurok Tribe	Decommission high priority road segments to reduce sediment impacts; treat 18 stream crossings and 1 mass wasting site to prevent 18,541 cubic yards of sediment from entering streams.	Terwer Creek	Lower Klamath	North Coast Region	41.59584	-123.98123	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722228	06/07	Del Norte	HI	Instream and Riparian Enhancement of McGarvey Creek: Phase I	Yurok Tribe	Install instream habitat structures and add large wood to the channel; plant 20 acres of adjoining riparian habitats with native conifers.	McGarvey Creek	Lower Klamath	North Coast Region	41.48271	-124.00894	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722238	06/07	Del Norte	HI	S. F. Winchuck Instream Habitat/Riparian Enhancement Project	Rural Human Services	Install 10 complex log/root wad and boulder structures along approx. 3,000 ft of South Fork Winchuck River. Plant 1,000 native conifer trees to provide future large wood recruitment. Remove weeds around recently planted trees.	South Fork Winchuck River	Chetco	North Coast Region	41.99352	-124.1853	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722247	06/07	Del Norte	HU	Wilson Creek Road Decommissioning & Sediment Reduction Project II	Pacific Coast Fish Wildlife and Wetlands Restoration Association	Implement site specific and prioritized road decommissioning, erosion control and erosion prevention work in the Wilson Creek watershed.	Wilson Creek	Smith	North Coast Region	41.66138	-124.0954	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102

Fiscal Year 2006/2007 Fisheries Restoration Grant Program List for 401 Certification

ProjID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
722250	06/07	Del Norte	HS	Lower Terwer Creek Riparian Restoration & Bank Stabilization Project	Yurok Tribe	Install willow siltation baffles, willow mattresses, and tree planting islands on approximately 15 acres of flood-prone surfaces and adjoining streambanks.	Terwer Creek	Lower Klamath	North Coast Region	41.52824	-123.98733	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722280	06/07	Del Norte	HU	Lower Smoke House Road Rehabilitation Project	California State Parks	Save 103,900 cubic yards of sediment. Outslope and stabilize 4.62 miles of abandoned logging roads, remove fill from 41 crossings, replant excavations with conifers, and stabilize fill from 18 log landings.	Bummer Lake Creek~ East Fork Mill Creek	Smith	North Coast Region	41.73558	-124.06488	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722324	06/07	Del Norte	HI	Wilson Creek Salmonid Habitat Enhancement Project	California Conservation Corps, Northern Service District, Fortuna Center	Install seven log instream structures, two willow bioengineered sites and plant 1,000 conifers along 0.76 miles of Wilson Creek.	Wilson Creek	Smith	North Coast Region	41.6471	-124.08544	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
721581	05/06	Humboldt	HU	Maple Creek/Big Lagoon Road Decommissioning and Erosion Prevention Project	Pacific Coast Fish Wildlife and Wetlands Restoration Association	Implement road decommissioning, erosion control and erosion prevention work in the Maple Creek/Big lagoon watershed.	Maple Creek	Mad-Redwood	North Coast Region	41.0995	-124.11815	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
721638	05/06	Humboldt	HU	Elk River Watershed Road Decommissioning and Sediment Control	Pacific Watershed Associates, Inc.	Reduce an estimated 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	North Coast Region	40.66678	-124.02753	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102

Fiscal Year 2006/2007 Fisheries Restoration Grant Program List for 401 Certification

ProjID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
722186	06/07	Humboldt	HI	Sproul Creek Salmonid Habitat Enhancement Project	Eel River Watershed Improvement Group	Enhance and increase large woody cover, pool frequency, and channel complexity and connectivity within a 4.5 mile reach of Sproul Creek.	Sproul Creek	South Fork Eel	North Coast Region	40.05369	-123.85512	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722187	06/07	Humboldt	HU	Little Larabee Watershed Sediment Control Project	Eel River Watershed Improvement Group	Reduce erosion by treating 143 high and medium priority sites, including storm proofing 26 miles of road.	Little Larabee Creek	Lower Eel	North Coast Region	40.4783	-123.7814	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722190	06/07	Humboldt	HR	Bull Creek Willow Nursery	California State Parks	Provide cost effective and environmentally sustainable supply of willow and other plant materials for multi-year riparian and floodway restoration projects in Bull Creek, Humboldt Redwoods State Park.	Bull Creek	South Fork Eel	North Coast Region	40.3432	-124.02539	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722248	06/07	Humboldt	HU	Salmon Creek Road Decommissioning Project IV	Pacific Coast Fish Wildlife and Wetlands Restoration Association	Implement 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	North Coast Region	40.63575	-124.106	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722260	06/07	Humboldt	FP	Hall Creek Fish Passage Enhancement Project	Humboldt Fish Action Council	Remove an arched-corrugated steel pipe (A-CSP) 5' high x 6.5' wide x 70' long with a 2.1 foot jump at the outlet.	Hall Creek	Mad-Redwood	North Coast Region	40.89888	-124.01334	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102

Fiscal Year 2006/2007 Fisheries Restoration Grant Program List for 401 Certification

ProjID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
722272	06/07	Humboldt	WC	Mattole Flow Program: Water Storage and Forbearance Phase I	Sanctuary Forest, Incorporated	Install fourteen 50,000 gallon tanks and acquire seasonal water rights. Resulting conservation will provide approximately 8.8 GPM of additional stream flow during summertime low flow.	Mattole River headwaters	Mattole	North Coast Region	40.06132	-123.96725	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722313	06/07	Humboldt	HU	Blue Slide, Mattole Canyon, and Grindstone Creeks Sediment Reduction for Coho Recovery	Mattole Restoration Council	Install 48 culverts; install armor; install rolling and critical dips along 1.9 miles of road; stabilize streambank at 29 sites, and decommission 31 crossings. Remove one fish passage barrier.	Blue Slide Creek~ Grindstone Creek~ Mattole Canyon Creek	Mattole	North Coast Region	40.16273	-123.98555	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722323	06/07	Humboldt	HU	Road Decommissioning - Bluff Creek Watershed at Four Corners	U.S. Forest Service Six Rivers National Forest	Decommission 13.3 miles of high risk roads in the Bluff Creek Watershed. Save 40,000 cubic yards of sediment.	Bluff Creek	Lower Klamath	North Coast Region	41.36367	-123.71393	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722332	06/07	Humboldt	HU	Bear Creek Sediment Reduction for Coho Recovery	Mattole Restoration Council	Replace 40 culverts, reshape road surfaces, install rolling and critical dips, and install numerous armored fords. Save 39,100 cubic yards of sediment from entering habitat. Remove one fish passage barrier.	Upper Bear Creek	Mattole	North Coast Region	40.12448	-124.02988	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722665	06/07	Humboldt	HU	Upper Redwood Creek Erosion Control	Pacific Coast Fish Wildlife and Wetlands Restoration Association	Decommission 12.9 miles of road; upgrade 2.3 miles of road upslope of Lacks Creek and Redwood Creek.	Lacks Creek	Mad-Redwood	North Coast Region	41.03974	-123.82113	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102

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ProjID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
722666	06/07	Humboldt	HS	Van Duzen River County Park	Humboldt County	Repair existing bank stabilization structures, including wing deflector, retaining wall and baffle, and scour area.	Van Duzen	Lower Eel	North Coast Region	40.48437	-123.96741	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722667	06/07	Humboldt	HR	Mattole Canyon Creek Willow Project	Gilbert Gregori	Construct approximately 17 willow baffles; 1,740 feet of willow fence; and plant 60 cottonwoods, 2000 Douglas fir, and 2000 redwood seedlings.	Mattole Canyon Creek	Mattole	North Coast Region	40.05045	-123.97067	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722668	06/07	Humboldt	HI	Upper Mattole Large Wood and Boulder Placement 2007	Mattole Restoration Council	Construct 15 instream structures using log, root wad, and boulder combinations.	upper mattole	Mattole	North Coast Region	40.05045	-123.97067	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722675	05/06	Humboldt	HI	Ryan Creek Instream Project	Humboldt Fish Action Council	Increase cover in 25 existing pools by adding large wood and increase residual depth of pools by 6 inches.	Ryan Creek	Mad-Redwood	North Coast Region	40.73965	-124.13038	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722678	06/07	Humboldt	HU	Fox Creek Road Upgrade Project	Eel River Watershed Improvement Group	Upgrade 0.14 miles of road, saving 200 cubic yards of sediment from entering Fox Creek. Upgrade one crossing, install 3 ditch relief culverts and place road base and surface rock.	Fox Creek	Lower Eel	North Coast Region	40.52961	-123.99802	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102

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ProjID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
722242	06/07	Marin	FP	Woodacre Creek Fish Passage Restoration	Marin County Department of Public Works	To restore migration of juvenile and adult coho and steelhead through an existing barrier on Woodacre Creek, a prominent tributary in the Lagunitas Creek system.	Woodacre Creek	Tomales-Drake Bays	San Francisco Bay Region	38.01275	-122.64701	CEQA Cat Ex # C-07-173 (Sec.15333-Small Habitat Restoration Projects) filed with County Clerk
722134	06/07	Mendocino	HU	Road 610 Decommission Project	California Department of Forestry and Fire Protection	Upgrade 100 feet and decommission 1.3 miles of road. Treat crossings, potential fill slope failures, reduce road surface erosion, upgrade a stream crossing, and replace an undersized culvert.	Caspar Creek	Big-Navarro-Garcia	North Coast Region	39.35153	-123.77834	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722150	06/07	Mendocino	HU	Hollow Tree Creek Watershed Restoration Implementation Project - Phase 4	Trout Unlimited	Treat 56 sediment sources along approximately 8 miles of road, resulting in an estimated sediment savings of 15,209 yds ³ in Hollow Tree Creek watershed.	Islam John Creek~ Lost Man Creek~ Lost Pipe Creek~ Lower Hollow Tree Creek	South Fork Eel	North Coast Region	39.79706	-123.73912	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722281	06/07	Mendocino	HI	Daugherty Creek & Tributaries LWD Project	California Conservation Corps	To improve the quality and quantity of salmonid rearing habitat within the Daugherty Creek Watershed.	Daugherty Creek~ Gates Creek~ Johnson Creek	Big-Navarro-Garcia	North Coast Region	39.20566	-123.4352	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722294	06/07	Mendocino	HU	Inman Creek Watershed Sediment Control Project, Phase 1	The Conservation Fund	Upgrade 8.2 miles of road and decommission 4.6 miles of road in the Inman Creek watershed. Prevent over 26,700 yds ³ of road-related sediment delivery by treating 150 sites.	Indian Springs Creek~ Inman Creek	Big-Navarro-Garcia	North Coast Region	38.894	-123.45124	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102

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ProjID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
722308	06/07	Mendocino	HU	Upper Mattole River Watershed Rehabilitation Project, Ancestor Creek Road Decommissioning Phase	Mattole Restoration Council	Decommission all roads on 40 acres in the headwaters of Ancestor Creek. Save 6,560 cubic yards of sediment by decommissioning 0.93 miles of road and 15 road stream crossings.	Ancestor Creek	Mattole	North Coast Region	39.98419	-123.96053	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722669	06/07	Mendocino	HS	Upper Mattole Watershed Restoration Project III	Mattole Restoration Council	Treat two problem sites in the Upper Mattole Watershed. Site 1: Replace culvert. Site 2: prevent sediment delivery by stabilizing a bank.	upper mattole	Mattole	North Coast Region	39.999	-123.93633	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722353	05/06	Napa	HR	Selby Creek Stream Habitat Restoration and Riparian Revegetation Project	Bioengineering Institute	Stabilize banks, expand floodplain and enhance habitat at 107 sites, along 8,333 feet of channel and over 16,600 feet of stream bank. Revegetate 16 acres on 117 sites with 350 trees, 1300 shrubs, and 1,000 perennials.	Selby Creek	San Pablo Bay	San Francisco Bay Region	38.56672	-122.51952	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722170	06/07	San Luis Obispo	HR	Chorro Creek Floodplain and Riparian Restoration Project	The Bay Foundation of Morro Bay	Install in-stream structures; remove agricultural levees; bioengineered bank stabilization; install grade control structures to reduce and prevent channel entrenchment.	Chorro Creek	Central Coastal	Central Coast Region	35.34678	-120.77354	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722309	06/07	Santa Barbara	HI	Norman's Nursery Bank Restoration Project	Community Environmental Council	Remove Arundo donax, plant native willows, provide toe protection, and install instream fish habitat improvement structures along a 350-ft. section of Carpinteria Creek.	Carpinteria Creek	Santa Barbara Coastal	Central Coast Region	34.39625	-119.50442	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102

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ProjID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
722683	05/06	Santa Barbara	FP	Bliss Arizona Crossing Replacement Project	Community Environmental Council	Replace an instream fair-weather crossing with a clear span bridge, opening 5 miles of habitat to steelhead in Carpenteria Creek.	Carpenteria Creek	Santa Barbara Coastal	Central Coast Region	34.40052	-119.49073	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722684	05/06	Santa Barbara	FL	Cate School Crossing Replacement and Bank Stabilization Project	Community Environmental Council	Replace an instream fair-weather crossing with a clear span bridge, stabilize 300 ft of bank, install boulder armor, and install 4 rootwad and boulder clusters to benefit steelhead in Carpenteria Creek.	Carpenteria Creek	Santa Barbara Coastal	Central Coast Region	34.40381	-119.48448	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722673	06/07	Santa Cruz	HB	Browns Valley Road PM 3.4 Culvert Retrofit	Santa Cruz County	A new low-flow channel will be created for a concrete box culvert.	Browns Creek	Pajaro	Central Coast Region	37.055	-121.7798	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722208	06/07	Siskiyou	HR	Shasta River Johanson Fencing and Wetland Enhancement	Northern California Resource Center	Install 3,500 ft. of livestock exclusion fencing; Re-establish riparian vegetation inside the fencing by planting appropriate native species; Improve fishery and wildlife habitat and increase shading along the Shasta River.	Shasta River	Shasta	North Coast Region	41.7557	-122.58243	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722674	05/06	Siskiyou	HS	Trail Gulch Riparian Restoration and Bank Stabilization Project	Unknown	Reduce bank and gully erosion and increase riparian canopy. Multiple check dams will be installed along 1.5 miles of stream; big leaf maples and conifers will be planted, monitoring stations will be installed.	Trail Gulch	Scott	North Coast Region	41.6083	-122.7417	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102

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ProjID	Grant FY	County	Project Type	Project Name	Contractor	Purpose	Stream(s)	HUC8 Watershed	RWQCB	Latitude (DD)	Longitude (DD)	CEQA
722702	06/07	Sonoma	HS	Fife Creek Sackcrete Removal Project	California Department of Parks and Recreation	Replace stream bank revetments (pillow sackcrete, rock slope protection) in Fife Cr in Armstrong Redwoods SR with natural revetments of wood, rock, brush mattresses or live plantings to stabilize banks.	Fife Creek	Russian	San Francisco Bay Region	-123.0039	-123.00395	Notice of Exemption SCH# 2003088133
722255	06/07	Trinity	HU	Conrad Gulch Road Decommissioning	Trinity County Resource Conservation District	Save estimated 1,500 cubic yards of sediment by decommissioning 2.33 miles of road and removing five stream crossings and five swales.	Canyon Creek~ Conrad Gulch	Trinity	North Coast Region	40.79275	-123.04143	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102
722331	06/07	Trinity	HR	Mattole Watershed Coho Refugia Conifer Re-establishment	Mattole Restoration Council	Plant 41,500 Douglas fir and redwood seedlings along 22.5 miles; thin 40 plots to release existing conifer seedlings; collect seeds for future projects.	Bear Creek~ Big Alder Creek~ Big Finley Creek~ Blue Slide Creek~ Buck/Sinkyone Creek~ Campbell Creek~ Deer Lick Creek~ Eubank Creek~ Grindstone Creek~ Honeydew Creek~ Jewett Creek~ Little Finley Creek	Lower Eel	North Coast Region	40.08	-123.48	DFG - 2007 - Fisheries Restoration Grant Program Project SCH# 2007042102