

**DEPARTMENT OF THE ARMY REGIONAL GENERAL PERMIT
FOR THE CALIFORNIA DEPARTMENT OF FISH AND GAME'S
FISHERIES RESTORATION GRANT PROGRAM**

PERMITTEE: California Department of Fish and Game

REGIONAL GENERAL PERMIT NO. 12 (RGP 12) (Corps File No.: 27922N)

ISSUING OFFICE: San Francisco District

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate District or Division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below:

PROJECT DESCRIPTION: This Regional General Permit authorizes minor fill discharges of clean earth, gravel, rock, and wood associated with anadromous salmonid habitat restoration projects implemented under the **California Department of Fish and Game's Fisheries Restoration Grant Program** strictly for the purpose of restoring salmonid fisheries habitat in non-tidal reaches of rivers and streams, improving watershed conditions impacting salmonid streams, and improving the survival, growth, migration, and reproduction of native salmonids. All authorized salmonid habitat restoration projects must conform to State law and be implemented consistent with the *California Salmonid Stream Habitat Restoration Manual*, (Flosi et al., 1998). (**Note: This Regional General Permit applies only to salmonid habitat restoration projects that are specifically funded and/or authorized under the California Department of Fish and Game's Fisheries Restoration Grant Program.**) The following is a descriptive list of the activities authorized under this Regional General Permit.

a. Instream habitat improvements: These 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*.

b. Unanchored large woody debris: 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. Root

wads would 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*.

c. Fish screens: Screens would be 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 of the manual covers structure placement, approach velocity, sweeping velocity, screen openings, and screen construction.

d. Fish passage at stream crossings: Stream crossing projects 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.

e. Fish passage improvements: These activities would include removal of obstructions (log jams, beaver dams, waterfalls and chutes and landslides. Suitable large woody debris removed from fish passage barriers that is 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*.

f. Upslope restoration: These 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*.

g. Watershed and stream bank stability activities: These activities would 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*.

h. Riparian habitat restoration: These activities would increase the biological integrity of native plant communities in riparian zones along rivers and streams. These activities would include natural regeneration or riparian vegetation, livestock exclusionary fencing, bioengineering,

and active riparian revegetation projects carried out in accordance with the guidelines described in Part XI of the *California Salmonid Stream Habitat Restoration Manual*.

All authorized habitat improvement projects shall be carried out in accordance with techniques in the *California Salmonid Stream Habitat Restoration Manual* as depicted in the attached project drawings entitled, "Project Name: Fisheries Restoration Grant Program, Project Location: San Francisco District, Applicant: Department of Fish and Game" in 36 sheets dated June 6, 2003.

PROJECT LOCATION: This Regional General Permit applies to Fisheries Restoration Grant Program sponsored and approved salmonid habitat enhancement projects in various streams and rivers, including all designated National Wild and Scenic Rivers and their tributaries, in the following coastal California Counties which are within the Regulatory jurisdictional boundaries of the San Francisco District Office: Alameda, Contra Costa, Del Norte, Humboldt, Marin, Mendocino, Monterey, Napa, San Benito, San Francisco, San Luis Obispo, San Mateo, Santa Clara, Santa Cruz, Siskiyou, Solano, Sonoma, and Trinity.

PERMIT CONDITIONS:

GENERAL CONDITIONS:

1. The time limit for completing the work authorized ends on **December 1, 2009**. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.

2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

4. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

5. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

6. You understand and agree that, if future operations by the United States require the removal, relocation or other alteration of the structure or work authorized herein, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, you will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

SPECIAL CONDITIONS:

1. This Corps permit does not authorize you to take an endangered species. In order to legally take a listed species, you must have a separate authorization under the Endangered Species Act (ESA) (e.g., an ESA Section 10 permit or a Biological Opinion (BO) under ESA Section 7 with "incidental take" provisions with which you must comply). The enclosed U.S. Fish and Wildlife Service (FWS) and National Marine Fisheries Service (NMFS) BOs dated May 21, 2004 and August 13 and 17, 2004 respectively contain mandatory terms and conditions to implement the reasonable and prudent measures that are associated with "incidental take" that is also specified in the BOs. Your authorization under this Corps permit is conditional upon your compliance with all of the mandatory terms and conditions associated with incidental take authorized by the attached BOs, whose terms and conditions are incorporated by reference in this permit. Failure to comply with the terms and conditions associated with incidental take of the BOs, where a take of the listed species occurs, would constitute an unauthorized take and it would also constitute non-compliance with this Corps permit. The FWS and NMFS are the appropriate authorities to determine compliance with the terms and conditions of their BOs and with the ESA. **(Note: The FWS BO from the Sacramento Field Office dated August 17, 2004 does not address effects on the San Francisco garter snake (*Thamnophis sirtalis tetratenia*), therefore projects that may affect this species are not covered under this RGP and would require separate consultation pursuant to Section 7 of the Endangered Species Act of 1973, as amended.)**

2. To avoid impacts to aquatic habitat the activities undertaken in the restoration program shall typically occur during the summer dry season. This is generally between July 1 and November 1 or the first rainfall.

3. Location of staging/storage areas for equipment, materials, fuels, lubricants, and solvents, will be located outside of the stream's high water channel and associated riparian area. 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. To avoid contamination of habitat during restoration activities, trash will be contained, removed, and disposed of throughout the project.

4. Any equipment work within the stream channel shall be performed in isolation from the flowing stream. If there is any flow when the work is done, the contractor shall construct

cofferdams upstream and downstream of the excavation site and divert all flow from upstream of the upstream dam to downstream of the downstream dam.

5. If it is necessary to divert flow around the work site, either by pumping or by gravity flow, the suction end of the intake pipe shall be fitted with fish screens meeting Department of Fish and Game and National Marine Fisheries Service 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.

6. 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.

7. The spread or introduction of invasive exotic plants will be avoided to the maximum extent possible.

8. Wildlife encountered during the course of construction, will be allowed to leave the construction area unharmed.

9. Work sites containing western pond turtles, foothill yellow-legged frogs or tailed frogs will use exclusion measures to prevent take or injury to any individual pond turtles or frogs that could occur on the site. Any red tree vole nests encountered at a work site will be flagged and avoided during construction.

10. Ground-disturbance that has the potential to affect cultural resources will be avoided through implementation of mitigation measures, including completing cultural resource surveys, fencing, on-site monitoring, and redesigning proposed work to avoid disturbance of cultural resources.

11. Impacts to riparian and wetland vegetation shall be avoided to the maximum extent possible, and shall be restored and enhanced with native vegetation when adverse impacts are unavoidable.

12. For salmonid restoration projects that would be constructed within the coastal zone, the permittee shall obtain a concurrence from the California Coastal Commission that the project is consistent with the State's certified Coastal Zone Management Program. The permittee shall contact the appropriate California Coastal Commission office to determine the need for a coastal zone permit prior to conducting any work in the coastal zone. Projects occurring in the coastal zone in the San Francisco Bay region must be permitted by the San Francisco Bay Conservation and Development Commission (BCDC).

13. The permittee shall submit to the District Engineer an annual report(s) of the permitted salmonid restoration projects described above at least 90 days prior to the commencement of work each calendar year. The submitted report(s) shall include the types of activities planned, anticipated dates of commencement, and completion, location, and a brief

description of the proposed projects. Copies of the annual report(s) shall be provided to the U. S. Fish and Wildlife Service, and the U. S. National Marine Fisheries Service in accordance with the BO requirements.

FURTHER INFORMATION:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

- (X) Section 404 of the Clean Water Act (33 U.S.C. § 1344).
- (X) Section 10 of the Rivers and Harbors Act (33 U.S.C. § 403)

2. Limits of this authorization:

- a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.
- b. This permit does not grant any property rights or exclusive privileges.
- c. This permit does not authorize any injury to the property or rights of others.
- d. This permit does not authorize interference with any existing or proposed Federal project.

3. Limits of Federal Liability: In issuing this permit, the Federal Government does not assume any liability for the following:

- a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
- b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
- c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
- d. Design or construction deficiencies associated with the permitted work.
- e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this

permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision: This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

- a. You fail to comply with the terms and conditions of this permit.
- b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate. (See Item 4 above.)
- c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions: General Condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

Original Signed by Michael Dillabough

September 9, 2004

Calvin C. Fong, Chief
Regulatory Branch for
Philip T. Feir
Lieutenant Colonel, U.S. Army, District Engineer

(DATE)