

## Exhibit 5: Statement of Work

### **[from RCD grant agreement with the Department of Fish and Game]**

#### Frenchman's Creek Fish Passage Improvement Project Statement of Work

Under direction of the Department of Fish and Game, and under the following conditions and terms, the San Mateo County Resource Conservation District herein after called the Grantee will:

1. Improve fish passage for steelhead rainbow trout in Frenchman's Creek tributary to the Pacific Ocean near the city of Half Moon Bay, San Mateo County, California. The objective of the project is to improve access to approximately 2.1 miles of spawning habitat for adult steelhead and rearing habitat for juvenile steelhead by replacing an existing perched culvert at an agricultural crossing with a clear-span bridge and boulder cross-vane weirs.
2. Conduct work on Frenchman's Creek approximately 2 miles upstream from its confluence with the Pacific Ocean. The project is located in Township 5 South, Range 5 West, Section 19 of the Montara Mountain 7.5 Minute U.S.G.S. Quadrangle, 37° 30' 8.80" north latitude, and 122° 26' 10.62" west longitude as depicted in Exhibit C, Project Location Map, which is attached and made part of this agreement by this reference.
3. Perform the following work:
  - Design engineered plans for the bridge and weir installations to be submitted to the CDFG Grant Manager and Fish Passage Engineer prior to project commencement. The plans will include details of construction, scaled drawings of the bridge and weirs as well as specifics on water diversion, fish relocation if necessary, slope stabilization, and revegetation.
  - Implement plans for listed species removal and water diversion.
  - Remove the existing perched culvert.
  - Install a clear span bridge.
  - Construct approximately 8 cross-vane boulder weirs to stabilize the channel grade.
  - Grade channel banks to the design slope.
  - Implement bank stabilization, erosion control, and revegetation measures.
4. The Grantee will not proceed with on the ground implementation until all necessary permits and consultations are secured. All applicable environmental protection measures from the attached 2005 Appendix B mitigation measures will be employed.
5. The Grantee shall notify the Grant Manager a minimum of five working days before the project site is de-watered and the stream flow diverted. The notification will provide a reasonable time for Department personnel to supervise the

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implementation of the water diversion plan and oversee the safe removal and relocation of salmonids and other fish life from the project area. If the project requires dewatering of the site, and the relocation of salmonids, the Grantee will implement the following measures to minimize harm and mortality to listed salmonids:

- Fish relocation and dewatering activities shall only occur between June 15 and October 31 of each year.
  - The Grantee shall minimize the amount of wetted stream channel dewatered at each individual project site to the fullest extent possible.
  - All electrofishing shall be performed by a qualified fisheries biologist and conducted according to the National Marine Fisheries Service, *Guidelines for Electrofishing Waters Containing Salmonids Listed Under the Endangered Species Act*, June 2000.
  - The Grantee will provide fish relocation data to the Grant Manager on a form provided by the Department of Fish and Game.
  - Additional measures to minimize injury and mortality of salmonids during fish relocation and dewatering activities shall be implemented as described in Part IX, pages 52 and 53 of the *California Salmonid Stream Habitat Restoration Manual*.
6. The project will follow the National Marine Fisheries Service (NMFS 2001) Guidelines for Salmonid Passage at Stream Crossings and DFG criteria for fish passage as described in the Third Edition, Volume II, Part IX, February 2003, of the *California Salmonid Stream Habitat Restoration Manual*. Culvert replacement or modification designs shall be visually reviewed and authorized by NOAA Fisheries (or CDFG) engineers prior to commencement of work.
  7. All habitat improvements will be in accordance with techniques described in the Third Edition, January 1998, of the *California Salmonid Stream Habitat Restoration Manual*.
  8. Work in flowing streams is restricted to June 15 through October 31. Actual project start and end dates, within this timeframe, are at the discretion of the Department of Fish and Game.
  9. The Grantee will maintain the new crossing, inspect the crossing in a timely manner and remove debris as necessary during the storm season.
  10. Upon completion of the project, the Grantee shall submit two hard copies of a final written report and one electronic, *Microsoft Word* compatible, copy on 3.5 inch floppy disk(s) or CD. If the project is not completed in the current year, the Grantee will submit a summary of the completed portion no later than December 31 and again each year until completed. The report shall include, but not necessarily be limited to the following information:
    - Grant number
    - Project name

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- Geographic area (e.g., watershed name)
- Location of work – show project location using U.S.G.S. 7.5 minute topographical map or appropriately scaled topographical map
- Geospatial reference/location (lat/long is preferred – defined as point, line, or polygon)
- Project start and end dates and the number of person hours expended
- Total of each fund source, by line item, expended to complete the project, breaking down Grant dollars, by line item, and any other funding, including type of match (cash or in-kind service)
- Expected benefits to anadromous salmonids from the project
- Labeled before and after photographs of any restoration activities and techniques
- Specific project access using public and private roads and trails, with landowner name and address
- Complete as built project description
- Report measurable metrics for the project by responding to the restoration project metrics listed below.

### **Habitat Protection and Restoration Projects– Reporting Metrics (HB) (Report N/A to those that do not apply)**

#### Habitat Projects: (all)

- Identify the watershed/sub-basin plan or assessment in which the project is identified as a priority.
- Name the priority habitat limiting factors identified in that plan that are addressed by the project
- Type of monitoring included in the project
  - Design spec achieved
  - Fish movement/abundance
- Number of stream miles treated/affected by the project within the project boundaries.

#### Fish Passage Improvement Projects (HB):

- Number of blockages removed or made passable.
- Number of miles made accessible to salmonids.

11. The Grantee will acknowledge the participation of the Department of Fish and Game, Fisheries Restoration Grant funds on any signs, flyers, or other types of written communication or notice to advertise or explain the Frenchman's Creek Fish Passage Improvement Project.