

EXHIBIT A
Conrad Gulch Road Decommissioning
Statement of Work

Under the direction of the Department of Fish and Game, the Grantee will implement plans to decommission 2.33 miles of road in the Conrad Gulch Watershed, Trinity County, under the following terms:

1. The Grantee will improve spawning and rearing habitat for Chinook salmon, coho salmon, and steelhead by reducing sediment delivery to Conrad Gulch, tributary to Canyon Creek in Trinity County. The objective is to remove approximately 1,500 cubic yards of sediment from 10 stream crossings and swales on 2.33 miles of road.
2. The Grantee will decommission roads within the Conrad Gulch watershed. The project is located in Township 34N, Range 10W, Section 19 and Township 34N, Range 11W, Section 24 of the Dedrick 7.5 Minute U.S.G.S. Quadrangle. The project location, roads, sites, and treatments are shown and described in Exhibit C, which is attached and made part of this agreement by this reference.
3. The Grantee will decommission 2.33 miles of road thereby saving 1,500 cubic yards of sediment from delivery to Conrad Gulch. The following treatments will be implemented where appropriate:
 - Remove 5 culverts at stream crossings
 - Excavation of unstable fill slopes
 - Dispersion of road runoff and disconnecting road surface runoff from streams, including but not limited to: berm removal and road surface shaping
 - Seeding and mulching of all exposed soils which may deliver sediment to a stream. The standard for success is 80% ground cover for broadcast planting of seed, after a period of three years.
 - Plant the treated areas with native riparian shrubs and trees.
4. All crossing upgrades in fish bearing reaches of streams will follow the National Marine Fisheries Service (NMFS 2001) *Guidelines for Salmonid Passage at Stream Crossings* and DFG criteria for adult and juvenile salmonid 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.
5. Sites which are expected to erode and deliver sediment to the stream are the only locations where work will be authorized for reimbursement under the terms of this agreement. Reimbursement will not be authorized for work done to improve aesthetics only.
6. The Grantee shall notify the Grant Manager a minimum of five working days before any fish bearing stream reaches are dewatered and the stream flow diverted. The notification will provide a reasonable time for Department personnel to supervise the 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*.
7. All road upgrading or decommissioning will be done in accordance with techniques described in the *Handbook for Forest and Ranch Roads*, (PWA, 1994c.) and the *California Salmonid Stream Restoration Manual*, Third Edition, Volume II, Part X, January 2004. All road decommissioning and upgrade sites and techniques shall be approved by the Grant Manager before any equipment work takes place.
 8. All habitat improvements will follow techniques described in the Third Edition, January 1998, of the *California Salmonid Stream Habitat Restoration Manual*, Flosi et al and the *California Salmonid Stream Restoration Manual*, Third Edition, Volume II, Part XI, January 2004. Planting of tree seedlings will take place after December 1 or when sufficient rainfall has occurred to insure the best chance of survival of the seedlings. The standard for success is 80% survival of plantings, after a period of three years.
 9. 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.
 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 1 and again each year until completed. The report shall include, but not necessarily be limited to the following information:
 - Grant number
 - Project name
 - 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 (HU) (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.

Upland Habitat Projects (HU)

- Number of actions (road decommission / upgrade)
- Number of acres treated.
- Number of miles of road decommissioned or upgraded (e.g., treated).
- Number of cubic yards of sediment saved from entering the stream.

Water Quality Projects

- Water quality limitations addressed by the project (e.g. 303(d), TMDL)

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 Conrad Gulch Road Decommissioning Project.

California Department of Fish and Game

Natural Diversity Database

Selected Elements by Common Name

POSSIBLE SPECIES WITHIN THE DEDRICK AND SURROUNDING QUADS FOR:

CONRAD GULCH ROAD DECOMMISSIONING PROJECT

T34N, R10W, Sec 19 & T34N, R11W, Sec 24; TRINITY COUNTY

Common Name/Scientific Name	Element Code	Federal Status	State Status	GRank	SRank	CDFG or CNPS
1 American (=pine) marten <i>Martes americana</i>	AMAJF01010			G5	S3S4	
2 American badger <i>Taxidea taxus</i>	AMAJF04010			G5	S4	SC
3 Baker's globe mallow <i>Lilium bakeri</i>	PDMAL0K010			G4	S3.2	4.2
4 Big Bar Hesperian <i>Vespericola pressleyi</i>	IMGASA4170			G1	S1	
5 Canyon Creek stonecrop <i>Sedum paradisum</i>	PDCRA0A0U3			G1	S1.3	1B.3
6 Darlingtonia Seep	CTT51120CA			G4	S3.2	
7 Dudley's rush <i>Juncus dudleyi</i>	PMJUN01390			G5	S2.3?	2.3
8 English Peak greenbriar <i>Smilax jamesii</i>	PMSMI010D0			G3	S3.2	1B.3
9 Heckner's lewisia <i>Lewisia cotyledon var. heckneri</i>	PDPOR04052			G4T2	S2.2	1B.2
10 Hooded lancetooth <i>Ancotrema voyanum</i>	IMGAS36130			G1G2	S1S2	
11 Humboldt marten <i>Martes americana humboldtensis</i>	AMAJF01012			G5T2T3	S2S3	SC
12 Lyall's tonestus <i>Tonestus lyallii</i>	PDASTE0050			G5	S1.3?	2.3
13 Oregon fireweed <i>Epilobium oreganum</i>	PDONA060P0			G2	S2.2	1B.2
14 Oregon snowshoe hare <i>Lepus americanus klamathensis</i>	AMAEB03011			G5T3T4Q	S2?	SC
15 Pacific fisher <i>Martes pennanti (pacific) DPS</i>	AMAJF01021	Candidate		G5	S2S3	SC
16 Regel's rush <i>Juncus regelii</i>	PMJUN012D0			G4?	S1.3?	2.3
17 Shasta chaenactis <i>Chaenactis suffrutescens</i>	PDAST200H0			G3	S3.2?	1B.3
18 Siskiyou fireweed <i>Epilobium siskiyouense</i>	PDONA06100			G3	S2.2	1B.3
19 Tinity Alps ground beetle <i>Nebria sahlbergii triad</i>	IICOL6L081			G1G3T1T3	S1S3	
20 Tracy's beardtongue <i>Penstemon tracyi</i>	PDSCR1L6A0			G1	S1.3	1B.3
21 Trinity Shoulderband <i>Helminthoglypta talmadgei</i>	IMGASC2630			G1G3	S1S3	
22 Trinity Spot <i>Punctum hannai</i>	IMGAS47080			G1	S1S3	
23 Trinity bristle snail <i>Monadenia infumata setosa</i>	IMGASC7080		Threatened	G2	S2	

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Common Name/Scientific Name	Element Code	Federal Status	State Status	GRank	SRank	CDFG or CNPS
24 Wilkin's harebell <i>Campanula wilkinsiana</i>	PDCAM020Z0			G2	S2.2	1B.2
25 cascades frog <i>Rana cascadae</i>	AAABH01060			G3G4	S3	SC
26 elongate copper-moss <i>Mielichhoferia elongata</i>	NBMUS4Q022			G4?	S2.2	2.2
27 flagella-like atractylocarpus <i>Atractylocarpus flagellaceus</i>	NBMUS84010			G5	S1.2	2.2
28 foothill yellow-legged frog <i>Rana boylei</i>	AAABH01050			G3	S2S3	SC
29 golden eagle <i>Aquila chrysaetos</i>	ABNKC22010			G5	S3	SC
30 northern spotted owl <i>Strix occidentalis caurina</i>	ABNSB12011	Threatened		G3T3	S2S3	
31 northwestern pond turtle <i>Emys (=Clemmys) marmorata marmorata</i>	ARAAD02031			G3G4T3	S3	SC
32 showy raillardella <i>Raillardella pringlei</i>	PDAST7X030			G2	S2.2	1B.2
33 spring-run chinook salmon <i>Oncorhynchus tshawytscha spring-run</i>	AFCHA0205A	Threatened	Threatened	G5T1Q	S1	
34 summer-run steelhead trout <i>Oncorhynchus mykiss irideus</i>	AFCHA0213B			G5T4Q	S2	SC
35 thread-leaved beardtongue <i>Penstemon filiformis</i>	PDSCR1L2A0			G3	S3.3	1B.3
36 western tailed frog <i>Ascaphus truei</i>	AAABA01010			G4	S2S3	SC
37 woolly pussy-toes <i>Antennaria lanata</i>	PDAST0H0B0			G5	S1.2	2.2

Exhibit C
Conrad Gulch Road Decommissioning
Project Location Map
T34N, R10W, Sec 19 & T34N, R11W, Sec 24
Dedrick Quad, Trinity County

Project Road Segments

