



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Arcata Fish and Wildlife Office
1655 Heindon Road
Arcata, California, 95521
Phone: (707) 822-7201 FAX: (707) 822-8411

In Reply Refer To:
FWS/AFWO

Mark Lancaster
Northwest CA Resource Conservation and Development Council
P.O. Box 2571
Weaverville, CA 96093

DUNS: 1367229100000

Subject: Notice of Cooperative Agreement Award F17AC00674

Dear Mr. Lancaster:

Your organization's application for Federal financial assistance titled "Manzanita Creek Migration Barrier Removal Design" submitted to the U.S. Fish and Wildlife Service (Service)'s CFDA Program 15.608 is approved. This award is made under the authority of Fish and Wildlife Management Assistance. For a complete list of this program's authorizing legislation, go to <https://www.cfda.gov/> and search by the CFDA Program number. This award is made based on Service approval of your organization's proposal signed on June 26, 2017, hereby incorporated by reference into this award.

Funds under this award are to be used to prepare concept through draft-final (90%) designs and to complete regulatory permitting to remove the concrete dam on Manzanita Creek, a tributary to the Trinity River near Big Bar, California. This project will restore fish passage to 2.6 miles of habitat for salmon, steelhead, and Pacific lamprey.

The Service Biologist identified in the Project Contacts section of this letter will be substantially involved in this project including, but not limited to: (A) participating and collaborating with you and other project partners, in carrying out the scope of work; (B) reviewing and approving each stage of work; and (C) closely monitoring or otherwise providing operational involvement during the project.

Type of Agreement:

- Grant Agreement
- Cooperative Agreement
- Fire Agreement
- Challenge Cost Share
- CESU Master Agmt # _____
- NRDA

Program:

- Fisheries Program
- Refuges Program
- Ecological Services Program
- Science Applications
- Migratory Birds
- National Wetlands Inventory

Type of Organization:

- | | |
|---|---|
| <input type="checkbox"/> State Government | <input type="checkbox"/> Local Government |
| <input type="checkbox"/> Tribal | <input checked="" type="checkbox"/> Non-Profit Organization |
| <input type="checkbox"/> Higher Education Inst. | <input type="checkbox"/> For Profit Organization |
| | <input type="checkbox"/> Private Individual |

SAM Registration expires: June 28, 2018

Period of Performance:

The performance period of this award is August 15, 2017 through September 30, 2022. Only allowable costs resulting from obligations incurred during the performance may be charged to this award.

All obligations incurred under the award must be liquidated no later than 90 calendar days after the end of the performance period, unless the Service approves a final financial reporting period extension (see Reporting Requirements section below).

If you need more time to complete project activities, you must submit a written request to the Service Project Officer identified in the Project Contacts section below at least 30 calendar days before the end of the stated performance period (see Project/Program Plan and Budget Revisions section below).

Funding:

This project is funded as follows:

	<u>Service</u>	<u>Recipient</u>
This obligation:	\$51,152.00	\$10,752.45
Award Total:	\$51,152.00	\$10,752.45

Indirect Costs: Recipient is authorized to charge only a flat indirect cost rate of 10% of the Modified Total Direct Costs (MTDC) for the life of this award, including any subsequent revisions and extensions for time, regardless of any indirect cost rate the Recipient may establish with the Federal government during the award period. MTDC is defined in 2 CFR 200.68.

System for Award Management (SAM) Registration: Under the terms and conditions of this award, your organization must maintain an active SAM registration at <https://www.sam.gov/portal/public/SAM/> until the final financial report is submitted or final payment is received, whichever is later. If your organization’s SAM registration expires during the required period, the Service will suspend payment under this and all other Service awards to your organization until you update your organization’s SAM registration.

Terms of Acceptance:

Acceptance of a financial assistance award (i.e., grant or cooperative agreement) from the Service carries with it the responsibility to be aware of and comply with the terms and conditions applicable to the award. Acceptance is defined as the start of work, drawing down or requesting funds, or accepting the award via electronic means. Awards are based on the application submitted to and approved by the Service. Awards are subject to the terms and conditions incorporated into the notice of award either by direct citation or by reference to the following: Federal regulations; program legislation or regulation; and special award terms and conditions. The terms and conditions of Service awards flow down to subrecipients and contractors, unless a particular award term or condition specifically indicates otherwise. The Federal regulations applicable to Service recipients and their subrecipients and

contractors are listed by recipient type in the **Service Financial Assistance Award Terms and Conditions** posted on the Internet at <https://www.fws.gov/grants/atc.html>. If you do not have access to the Internet and require a printed copy of the award terms and conditions, contact the Service Project Officer identified below.

If Recipient decides to not accept this award, Recipient must notify the Service Project Officer in writing within 30 calendar days of that decision.

Payments:

Your organization has completed enrollment in U.S. Treasury’s Automated Standard Application for Payment (ASAP) system (https://www.fiscal.treasury.gov/fsservices/gov/pmt/asap/asap_home.htm). When requesting payment in ASAP, your Payment Requestor will be required to enter an Account ID. The number assigned to this award is the partial Account ID in ASAP. When entering the Account ID in ASAP, the Payment Requestor should enter the award number identified in the subject line on letter followed by a percent sign (%). Refer to the ASAP.gov Help menu for detailed instructions on requesting payments in ASAP.

Reporting Requirements:

Financial and Performance Reporting Requirements:

Annual interim financial and performance reports and final financial and performance reports are required under this award and must be submitted to the Service Project Officer.

The report periods and due dates under this award are:

Report:	Report Period:	Report Due Date:
Interim Performance and SF425 Fed Financial	August 15, 2017 – September 30, 2018	December 29, 2018
Interim Performance and SF425 Fed Financial	October 1, 2018 – September 30, 2019	December 29, 2019
Interim Performance and SF425 Fed Financial	October 1, 2019 – September 30, 2020	December 29, 2020
Interim Performance and SF425 Fed Financial	October 1, 2020 – September 30, 2021	December 29, 2021
Final Performance and SF425 Fed Financial	October 1, 2021 – September 30, 2022	December 29, 2022

Recipients must use the Standard Form (SF) 425, *Federal Financial Report* form for all financial reporting. This form is available at <http://www.grants.gov/web/grants/forms/post-award-reporting-forms.html#sortby=1>.

Performance reports must contain: 1) a comparison of actual accomplishments with the goals and objectives of the award as detailed in the approved scope of work; 2) a description of reasons why established goals were not met, if appropriate; and 3) any other pertinent information relevant to the project results. Please include the Service award number provided in the subject line of this letter on all reports.

Financial and performance reporting due dates may be extended by the Service upon receipt of a written request addressed to the Service Project Officer identifying the type of report to be extended, the requested revised due date, and a justification for the extension. The Service Project Officer may approve an additional extension if justified by a catastrophe that significantly impairs the Recipient's operations. Requests for reporting due date extensions must be received by the Service Project Officer no later than thirty calendar days before the original reporting due date.

Significant Developments Reports (see 2 CFR 200.328(d)):

Events may occur between the scheduled performance reporting dates that have significant impact upon the supported activity. In such cases, notify the Service Project Officer in writing as soon as the following types of conditions become known:

- Problems, delays, or adverse conditions that will materially impair the ability to meet the objective of the Federal award. This disclosure must include a statement of any corrective action(s) taken or contemplated, and any assistance needed to resolve the situation.
- Favorable developments that enable meeting time schedules and objectives sooner or at less cost than anticipated or producing more or different beneficial results than originally planned.

Conflict of Interest Disclosures:

Recipients are responsible for notifying the Service Project Officer in writing of any actual or potential conflicts of interest that may arise during the life of this award. Conflicts of interest include any relationship or matter which might place the Recipient, the Recipient's employees, or the Recipient's subrecipients in a position of conflict, real or apparent, between their responsibilities under this award and any other outside interests. Conflicts of interest may also include, but are not limited to, direct or indirect financial interests, close personal relationships, positions of trust in outside organizations, consideration of future employment arrangements with a different organization, or decision-making affecting the award that would cause a reasonable person with knowledge of the relevant facts to question the impartiality of the Recipient, the Recipient's employees, or the Recipient's subrecipients in the matter. Upon receipt of such a notice, the Service Project Officer in consultation with their Ethics Counselor will determine if a conflict of interest exists and, if so, if there are any possible actions to be taken by the Recipient, the Recipient's employee(s), or the Recipient's subrecipient(s) that could reduce or resolve the conflict. Failure to resolve conflicts of interest in a manner that satisfies the Service may result in any of the remedies described in 2 CFR 200.338, Remedies for Noncompliance, including termination of this award.

Other Mandatory Disclosures:

Recipients and their subrecipients must disclose, in a timely manner, in writing to the Service or pass-through entity all violations of Federal criminal law involving fraud, bribery, or gratuity violations potentially affecting this award. Non-Federal entities that have received a Federal award including the term and condition outlined in 2 CFR 200, Appendix XII—Award Term and Condition for Recipient Integrity and Performance Matters are required to report certain civil, criminal, or administrative proceedings to SAM. Failure to make required disclosures can result in any of the remedies described in 2 CFR 200.338, Remedies for noncompliance, including suspension or debarment (See 2 CFR 200.113, 2 CFR Part 180, 31 U.S.C. 3321, and 41 U.S.C. 2313).

Project/Program Plan and Budget Revisions:

Recipients are required to report deviations from budget or project scope or objective, and request prior approvals for budget and program plan revisions in accordance with 2 CFR 200.308 unless otherwise specifically waived in this award.

Period of Performance Extensions:

If additional time is needed to complete the approved project, you must send written notice to the Service Project Officer. This notice must be received by the Service Project Officer at least 30 calendar days before the authorized performance period end date, and must include supporting reasons and revised end date. Extensions for time cannot be authorized for the purpose of spending an unused balance of funds that remains after the approved project activities have been completed.

Project Contacts:

The Service Project Officer for this award is:	The Recipient Project Officer for this award is:
Dan Gale Fish and Wildlife Biologist 1655 Heindon Road, Arcata CA 95521 (707) 825-5105 dan_gale@fws.gov	Mark Lancaster NCRCDC, Director P.O. Box 2571, Weaverville CA 96093 (530) 623-3967 x.111 Email: mlancaster@5counties.org

Please contact Dan Gale with any questions. Please include the Service award number provided in the subject line of this letter in all written communications.

Sincerely,

Robert Clarke, Jr.
 Fisheries Program Supervisor

Date

Attachments:

- Budget
- Statement of Work

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 01/31/2019

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. National Fish Passage Program	15-608	\$ <input type="text"/>	\$ <input type="text"/>	\$ 51,152.00	\$ 10,752.45	\$ 61,904.45
2.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5. Totals		\$ <input type="text"/>	\$ <input type="text"/>	\$ 51,152.00	\$ 10,752.45	\$ 61,904.45

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	National Fish Passage Program				
a. Personnel	\$ 29,871.18	\$	\$	\$	\$ 29,871.18
b. Fringe Benefits					
c. Travel	2,630.64				2,630.64
d. Equipment					
e. Supplies					
f. Contractual	14,000.00				14,000.00
g. Construction					
h. Other					
i. Total Direct Charges (sum of 6a-6h)	46,501.82				\$ 46,501.82
j. Indirect Charges	4,650.18				\$ 4,650.18
k. TOTALS (sum of 6i and 6j)	\$ 51,152.00	\$	\$	\$	\$ 51,152.00
7. Program Income	\$	\$	\$	\$	\$

SECTION C - NON-FEDERAL RESOURCES

(a) Grant Program		(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8.	National Fish Passage Program	\$ 4,602.45	\$	\$ 6,150.00	\$ 10,752.45
9.					
10.					
11.					
12. TOTAL (sum of lines 8-11)		\$ 4,602.45	\$	\$ 6,150.00	\$ 10,752.45

SECTION D - FORECASTED CASH NEEDS

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$	\$	\$	\$	\$
14. Non-Federal	\$				
15. TOTAL (sum of lines 13 and 14)	\$	\$	\$	\$	\$

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT

(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)			
	(b)First	(c) Second	(d) Third	(e) Fourth
16. National Fish Passage Program	\$	\$	\$	\$
17.				
18.				
19.				
20. TOTAL (sum of lines 16 - 19)	\$	\$	\$	\$

SECTION F - OTHER BUDGET INFORMATION

21. Direct Charges: \$46,501.82	22. Indirect Charges: \$4,650.18
23. Remarks:	

Attachment 1

Scope of Work and Budget for Manzanita Creek Migration Barrier Removal Design

Manzanita Creek is located in the Big Bar area of the Trinity River and is nearly entirely within the Trinity Alps Wilderness Area and a Research Natural Area. A small concrete dam is located on the stream and is only accessible by foot. This project will design, permit and complete NEPA for the removal of the dam. Manzanita Creek is a steelhead and coho bearing stream with no development upstream of the dam. The project is on National Forest lands and represents a cooperative effort between the Trinity River Management Unit of the Shasta-Trinity National Forest, the Northwest CA Resource Conservation and Development Council (RC&DC), and the U.S. Fish and Wildlife Service's Conservation Partnerships Program.

The project goals are to develop a 90% design for the removal of the Manzanita Creek dam, which is a migration barrier, opening up 2.6 miles of anadromous salmonid habitat, and restoring natural gravel and bedload routing down the creek. The completion of the project design will allow the 5C Program or USFS to determine if they want to proceed with funding and implementation of the project.

The design objectives are to:

- Conduct all necessary specialist reports for completion of Environmental Compliance, including botanical, wildlife, archeological, hydrologic and fisheries reports.
- Identify and evaluate physical constraints associated with excavating and removing the existing dam (including equipment access routes, channel and bank modification and reconstruction associated with dam removal). Identification of physical constraints could likely lead to recommendations for hand/gas powered tools rather than heavy equipment.
- Determine the natural channel gradient throughout the study area
- Determine design channel gradient consistent with CDFG and/or NOAA Fish Passage Guidelines
- Conduct reference reach pebble count and streambed mix analysis to develop recommended bedload mix, and gradient control structure sizing based on the 100-year return interval design flow, bedload and scour
- Determine the final design and approximate construction costs and constraints.

Technical Approach:

Manzanita Creek will be surveyed (thalweg and cross sections) to create a topographic map and guide the design. The desired channel gradient will be based on a reference reach. If necessary, grade structures will be designed. Typical reach segments will be surveyed for use in channel designs. Examination and mapping of bedrock and other grade control features will be done to assess current and natural channel gradients. In addition, design factors will be determined due to the unique situation of construction in the Wilderness Area. The project will have to be completed using on human and animal power. A trail access and upgrade plan will be needed to bring in tools and manage debris. A camp plan will be needed to provide support to crews working on the project, as well. Flow data will be based on USGS Streamstat. Particle sizing will be based on sample reach sampling and regression equations.

Botanical, wetland, wildlife and cultural assessments will be completed as needed to comply with NEPA for the project. Permitting (1600, 401 and 404) and consultation with NMFS will be completed as part of the project.

Project Location:

The project is located near the town of Big Bar, Trinity County, California on Manzanita Creek, a tributary to the Trinity River; The project will occur about 1 mile (5,260 ft) from the mainstem Trinity River on less than 1 acre of stream corridor along approximately 100 feet of stream.

- LAT 40.751011 / LONG -123.237081
- Section 5, T33N R12W, USGS Quad Hayfork Bally

Project Budget:

DETAILED PROJECT BUDGET						
PROJECT NAME: Manzanita Dam Design and NEPA						
	Hours or Units of Amount Requested	Hourly Rate or Unit Price	Hourly Rate or Unit Price (w/benes)	Amount Requested	5C, USFS TRRP or Other	Total Project Cost
A. PERSONNEL SERVICES (ensure that all personnel are described in the project set up)						
<u>Level of Staff</u>						
Registered Engineer	110	\$ 56.00	\$ 69.80	\$7,678.44	\$0.00	\$7,678.44
Program Director	120	\$ 33.00	\$ 53.75	\$6,450.05	\$0.00	\$6,450.05
Project Coordinator	160	\$ 24.67	\$ 44.01	\$7,041.80	\$0.00	\$7,041.80
Field Technician/Intern	280	\$ 21.50	\$ 26.80	\$7,503.93	\$0.00	\$7,503.93
Account Clerk	22	\$ 21.50	\$ 23.96	\$527.02	\$0.00	\$527.02
Office Manager	12	\$ 34.00	\$ 55.82	\$669.90	\$0.00	\$669.90
Subtotal						
TOTAL PERSONNEL SERVICES				\$29,871.13	\$0.00	\$29,871.13
B. OPERATING EXPENSES: SUBCONTRACTORS						
Description (indicate type of units)	# of Units Amount Requested	Unit Price	Hourly Rate or Unit Price (w/benes)	Amount Requested	USFS In Kind	Total Project Cost
<u>Subcontractors (indicate type of units) (ensure all subcontractor tasks are described in the project description)</u>						
Consulting Engineering Geologist	80	\$125.00		\$10,000.00	\$ -	\$10,000.00
USFS Engineer	30	\$60.00		\$0.00	\$1,800.00	\$1,800.00
USFS Wildlife Biologist	20	\$50.00		\$0.00	\$1,000.00	\$1,000.00
Contract Biologist	40	\$100.00		\$4,000.00	\$ -	\$4,000.00
USFS Fisheries Biologist	30	\$45.00		\$0.00	\$1,350.00	\$1,350.00
USFS Archeology	30	\$40.00		\$0.00	\$1,200.00	\$1,200.00
USFS Botanist	20	\$40.00		\$0.00	\$ 800.00	\$800.00
Subtotal of Subcontractors				\$14,000.00	\$6,150.00	\$20,150.00
OPERATING EXPENSES: OTHER (i.e. Materials and Supplies, indicate type of units)						
Mileage (miles)	1316	\$0.54		\$710.64	\$0.00	\$710.64
Per Diem for Camping Out at Dam Site	48	\$40.00		\$1,920.00	\$0.00	\$1,920.00
Materials and Supplies (stakes, flagging, notebooks, hand tools, etc)	15	\$25.00		\$0.00	\$375.00	\$375.00
Equipment (backpacks, tents, camp gear, total station, levels, prism/rod, radios, EDM, vests, safety gear, etc)	50	\$25.00		\$0.00	\$1,250.00	\$1,250.00
Software (Civil3D, ArchGIS, etc)	4	1000		\$0.00	\$2,000.00	\$2,000.00
Subtotals of Other				\$2,630.64	\$3,625.00	\$6,255.64
TOTAL OPERATING EXPENSES						
Subtotal A + B (Personnel + Operating)				\$46,501.77	\$9,775.00	\$56,276.77
Requested Indirect Amount (max. 20%) @		10.00%		\$4,650.18		\$4,650.18
Applicant Indirect Amount @					\$977.50	\$977.50
Partner Indirect Amount @						\$0.00
D. GRAND TOTAL				\$51,151.95	\$10,752.50	\$61,904.45