



R & E Grant Application 15-17 Biennium

Project #: 15-011

2015 NE Oregon Rotenone Treatments

Project Information

Requested Cycle: 15-2
R&E Project Request: \$10,675
Other Funding: \$16,590
Total Project: \$27,265
Spending Start Date: 8/10/2015
Spending End Date: 6/30/2017
Project Start Date: 8/10/2015
Project End Date: 6/30/2017
Organization: Oregon Department of Fish and Wildlife

Applicant Information

Name: Kyle Bratcher
Address: 65495 Alderslope Rd.
Enterprise, OR 97828
Telephone: (541) 426-3279
Email: kyle.w.bratcher@odfw.oregon.gov

Past Recommended or Completed Projects

Number	Name	Status
17-046	Long Creek Reservoir Spillway Replacement	Approved

Location Information

Where is it?

The project will occur on public land owned or managed by the applicant
The project will occur on private land owned or managed by another party

Landowner Information

Name: Curt Jacobs
Affiliation: Landowner
Address: 44957 Jacobs Rd.
Baker City, Oregon, 97814
Phone: 541-523-6679
Cell: 541-519-0405

Name: Scott Shear
Affiliation: Manager Tripple Creek Ranch
Address: 61608 Tucker Down Rd.
Joseph, Oregon, 97846
Cell: 541-263-0609
Email: scottshear@eoni.com

Site Description

Street Address, nearest intersection, or other descriptive location.

Balm Creek Reservoir - S7 T7S R43E (Baker Co.)
Kinney Lake - S8 T3S R46E (Wallowa Co.)
Luger Pond - S5 T3N R39E (Union Co.)
Yellowjacket Pond - S6 T4S R32E (Umatilla Co.)
Granite Meadows Pond - S36 T3S R32E (Umatilla Co.)
Goldfish Pond - S24 T3S R32E (Umatilla Co.)
Boundary Pond - S3 T2S R36E (Union Co.)
Keyhole Pond - S20 T1S R37E (Umatilla Co.)

Directions to the site from the nearest highway junction.

This project will take place at eight locations in NE Oregon.

Following project completion, public anglers will be allowed the following level of access to the project site:

Full access

Please describe what leases, easements, agreements are in place to ensure angler access to the project site, and what is the length of each agreement.

Kinney Lake- An agreement has been signed to allow trout stocking and public angling that has no end date.

Balm Creek Reservoir- located on property belonging to Curt Jacobs. The landowner has agreed to allow ODFW to manage for trout angling and to allow public access for angling.

District staff is currently working with contracting to obtain signed agreements with the

landowners at both Kinney Lake and Balm Creek Reservoir. Both landowners have expressed verbal support for these projects.

Lugar, Boundary, Keyhole, Yellowjacket, Granite Meadows, and Goldfish ponds are all on US Forest Service land.

Dominant Land Use Type:

Forest
Range/pasture

Project Location

General Project Location.

County: Baker, Wallowa, Union, Umatilla
ODFW Dist: La Grande, Umatilla, Wallowa
Stream/Lake/Estuary Name: Balm Creek Reservoir, Kinney Lake, Lugar, Boundary, Keyhole, Yellowjacket, Granite Meadows, Goldfish ponds.

Specific Project Location.

Latitude	Longitude
44.971617	117.495153
45.314751	117.099988
45.770280	117.956986
45.425571	118.301231
45.459988	118.210581
45.249201	118.885080
45.268071	118.789861
45.294217	118.797003

Project Summary

Project Summary

Please provide a couple sentence summary of the proposal.

This project will use chemical treatments (rotenone) to eradicate undesirable fish species from eight water bodies in the La Grande, Umatilla, and Wallowa fish districts. Eradication of these undesirable fish will improve the quality of these rainbow trout fisheries.

Overall Project Goals

Describe the primary goals or outcomes of the entire project, including elements not requesting funding from R&E.

Eradicate undesirable fish species from Kinney Lake, Balm Creek Reservoir, Lugar, Yellowjacket, Goldfish, Granite Meadows, Boundary and Keyhole ponds. This will increase growth and survival of stocked rainbow trout.

Stock rainbow trout to provide quality angling opportunities for the general public.

Increase growth and survival of stocked rainbow trout.

Remove source populations that could be used for further illegal introductions or emigrate and have negative effects on native fish species.

Primary objectives of R&E funding

Please describe the measurable objectives for the R&E portion of the funding request.

Purchase liquid rotenone, personal protective equipment, and additional materials necessary for the successful completion of chemical treatment projects.

Current Situation/Justification

Please describe the current situation and explain why this funding is needed.

These fisheries are heavily used by anglers from May to October and are popular for family outings. These water bodies are currently stocked with fingerling, legal, and trophy rainbow trout to provide quality angling opportunities. Crappie, bass, bullheads, and goldfish have been illegally introduced. While these undesired fish can increase the diversity of angling opportunity, many of these fish are overpopulated resulting in small size and poor body condition. These fish also directly compete and prey upon stocked rainbow trout thereby reducing growth and survival rates. This results in reduced fishery quality and opportunity. These undesired fish also provide source populations for further illegal introductions that may impact additional fisheries and native species. Eradication of these undesired fish will result in increased survival and growth of stocked trout thereby increasing catch rates, quality of catch, and opportunity.

Recreation and Commercial Benefit

This project will provide benefits to:

Recreational fisheries

Explain how this project will contribute to current (and/or potential) fishing opportunities, access, or fisheries management.

A recent ODFW survey indicated that more people in Oregon fish for trout than any other kind of fish. This project will restore or enhance eight trout fisheries in NE Oregon and increase trout angling opportunities. At Balm Creek Reservoir, the results of a 2009 angler survey indicated nearly 73% of anglers would like ODFW to manage the reservoir for trout and only 1 of 35 written comments were positive in regard to the warmwater species. Therefore the district would like to remove these fish to restore a once popular trout fishery. At Kinney Lake, local biologists have noted few anglers targeting bullheads and the main focus being on trout angling. Many of the five smaller ponds targeted for treatment are managed under the "basic yield" management strategy with the goal of providing high catch rates of hatchery fish. Removal of the undesired fish will result in an increase in fish quality, survival, and catch rates. Removal will also preserve fisheries and native fish by eliminating undesirable fish that may be used for illegal introductions or emigration into water bodies where native fish are present.

Percent benefit split between Commercial and Recreational anglers:

Please explain, or justify, how the percentage split was determined:

This project has been identified as an ODFW priority for:

Local/watershed

Basin/regional

Does this project directly support implementation of the ODFW Strategic Plan and/or current Fish Division priorities?

Please briefly explain when this was identified as a priority and what process or workgroup was used to identified this as an ODFW priority.

Identify any plan or other document that identifies this priority.

25- Year Angling Enhancement Plan- This project addresses the goals listed in the plan of:
1) Providing diverse, stable, and productive angling opportunities and, 2) Increasing angling

participation.

Is this project part of an approved Salmon-Trout Enhancement Program (STEP) activity?

No

This project is intended to benefit the following species:

Rainbow Trout

This project will benefit anglers or fishery by providing:

Angling Opportunity

Angling Opportunity

This project will:

Improve the opportunity for anglers to catch fish (better stocked fish, trapping)

Restore a degraded fishery

Project Description

Schedule

Activity	Date	RE Funding
Public meetings to discuss projects and address questions and concerns.	April and May 2015	No
Secure contracts/agreements with landowners at Kinney Lake and Balm Creek Reservoir for treatment. Both have verbally expressed support. Contracting in process.	June 2015	No
Sample water bodies to confirm volume estimates and species presence. Water chemistry testing.	April to Sept 2015	No
Finalize treatment plans for all water bodies.	Sept 2015	No
Bioassays to determine final treatment concentration.	Sept 2015	No
Purchase, delivery, and application of rotenone. Notification of treatment to ODA, DEQ, and USFS.	Aug 2015	No
Relaxation of angling regulations.	Aug 2015	No
Purchase of materials, delivery, and application of rotenone.	Sept/Oct 2015	Yes
Post Treatment monitoring.	Oct 2015	No
Post treatment survey.	Nov 2015	No
Final pesticide application report (ODA).	Jan 2016	No
Restocking rainbow trout.	Mar to June 2016	No

Permits

Permit	Secured?	Date Expected
National Pollutant Discharge Elimination System (NPDES) permit.	Yes	

Project Design and Description

Please describe in detail the methods or approach that will be used to achieve the project objectives.

All operations will be administered by ODFW employees who have attended the AFS class on "Planning & Executing Successful Rotenone and Antimycin Project." All planning and execution will be guided by pesticide laws and standard operating procedures identified in: "Planning and standard operating procedures for the use of rotenone in fish management." Liquid rotenone will be applied by ODFW employees with pesticide applicators licenses. Guidance from ODFW employees experienced in successfully administering these projects will also be used for guidance. Equipment purchased for rotenone treatments by R&E grant 11-137 (Equipment for Statewide Fishery Restoration) will be used to complete these projects. Besides the purchase of rotenone, funding from this grant application will replace or repair equipment (supplied by grant 11-137) that is damaged or consumed during this project.

Engineering

Does the project involve capital improvement, engineering, site grading or other construction?
No

Project Management and Maintenance

What is the life expectancy of R&E funded construction, structures, equipment, supplies, data or fishery?

All materials purchased with R&E funds will be used on future projects and will be stored in the ODFW rotenone trailer provided by R&E grant 11-137. Stocking of these restored fisheries will persist into the foreseeable future to provide a quality put and take opportunities for anglers.

Who is responsible for long term management, maintenance, and oversight of the project beyond what is funded by R&E.

La Grande, Umatilla, and Wallowa fish district staff will continue to stock rainbow trout, monitor fish populations and monitor fisheries.

Will the project require ongoing maintenance?
No

Is there a plan to collect baseline data and to conduct monitoring efforts to measure the effectiveness of the project?

Yes

These water bodies will be monitored to determine if total eradication has been achieved. These stocked rainbow trout populations will also be sampled for growth and survival rates. Periodic creel surveys may also be conducted to gain information on angler effort, and success.

Project Funding

Funding

Have you applied for OWEB funding for this project?
No

Has this proposal, or similar proposal for this project location, previously been denied by OWEB or other funding source?

[{"source":"ODFW-Grande Ronde and John Day watershed funds","type":"Cash","secured":"Secured","dollarValue":"1800","comments":"Public Meeting Space/Advertising\nTravel/Per Diem/Lodging"}, {"source":"ODFW-personnel","type":"In-Kind","secured":"Secured","dollarValue":"14790","comments":"NRS-2 Project development\nNRS-2 Project Implementation\nNRS-3 project implementation\nOther ODFW personnel\n"}]

Other Funding Source	Type	Secured	Dollar Value	Comments
ODFW-Grande Ronde and John Day watershed funds	Cash	Secured	1800	Public Meeting Space/Advertising Travel/Per Diem/Lodging
ODFW-personnel	In-Kind	Secured	14790	NRS-2 Project development NRS-2 Project Implementation NRS-3 project implementation Other ODFW personnel
		Total	16590	

Budget

Item	Unit Number	Unit Cost	In-kind or non-cash contributions	Funding from other sources	R&E Funds	Total Costs
PROJECT MANAGEMENT						
NRS-2 Project Development	160	0.00	4320	0	0	4320
		SUBTOTAL	4320	0	0	4320
IN-HOUSE PERSONNEL						
NRS-2 Implementation	110	0.00	2970	0	0	2970
NRS-3 Implementation	100	0.00	4000	0	0	4000
Additional ODFW Staff	140	25.00	3500	0	0	3500
		SUBTOTAL	10470	0	0	10470
CONTRACTED SERVICES						
			0	0	0	0
		SUBTOTAL	0	0	0	0
TRAVEL						
Travel/Per Diem/Lodging	12	100.00	0	1200	0	1200
		SUBTOTAL	0	1200	0	1200
SUPPLIES/MATERIALS						
Misc. Materials (Fuel, Plumbing, Tools, etc.)	1	1000.00	0	0	1000	1000
Personal Protective Equipment	1	1600.00	0	0	1600	1600
Rotenone	95	85.00	0	0	8075	8075
		SUBTOTAL	0	0	10675	10675
EDUCATION/OUTREACH						
Public Meeting Space and Advertising	3	200.00	0	600	0	600
		SUBTOTAL	0	600	0	600
EQUIPMENT						
			0	0	0	0
		SUBTOTAL	0	0	0	0
FISCAL ADMINISTRATION						
			0	0	0	0
		SUBTOTAL	0	0	0	0
		BUDGET TOTAL	14790	1800	10675	27265

Additional Files

Budget Information

Maps

Photos

Design Information

Management Plans and Supporting Documents

Permits and Reviews

Partnerships

Public Comment

Administrative Documents

Completion Report

A completion report has not been submitted for this project.