R & E Grant Application 13 Biennium

Project #: 13-090

Warmwater Project Equipment

Project Information

R&E Project Request: $14,800.00
Match Funding: $0.00
Total Project: $14,800.00
Start Date: 12/15/2014
End Date: 6/30/2015
Project Email: Gary.M.Galovich@state.or.us
Project Biennium: 13 Biennium
Organization: ODFW - Salem Headquarters

Applicant Information

Name: Gary Galovich
Address: 7118 NE Vandenberg Ave
Corvallis, OR 97330
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Past Recommended or Completed Projects

Number	Name	Status
05-014	STEP Fish Food Program	Completed
05-011	STAC Mini-Grant Program	Approved
05-047	KORC Recyycling Program	Completed
07-109	Warmwater Fishing in Oregon Brochures	Completed
07-137	Cheadle Lake Boat Access	Completed
09-188	Cheadle Lake Water Pump	Completed
09-197	Willamette Valley Ponds Aquatic Vegetation Control	Completed
09-207	Adair Pond Water Control Structure	Completed
09-278	Warmwater Fish Habitat Structures	Completed
11-160	Warmwater Fish Habitat Structures	Completed

Project Summary

This project is part of ODFW's 25 Year Angling Plan.

Activity Type: Miscellaneous (Enhancement)
Summary: The grant would fund the purchase of two trap nets and repairs and improvements to an existing electrofishing boat used in the sampling of warmwater and other fisheries.

Objectives: 1) Purchase two additional trap nets used in warmwater project sampling.
2) Repair and make improvements to an existing electrofishing boat that is an excellent work platform, but in its current condition is not fully functional, reliable, or safe.

Fishery Benefits: Warmwater fish are not native to Oregon and are managed primarily to provide recreational opportunity. Information essential to their management and collected by the project includes the presence and absence of species, localized fish life history, trends in their abundance, condition, and relationship to habitat conditions. Boat electrofishing and the use of trap nets are two of the methods most often used by the project to collect fish and sampling information.

Because Oregon does not operate a warmwater fish hatchery, the equipment is also used to collect fish for transfer to other appropriate waters to establish new fisheries or augment existing populations.

Many of the standing waters in which warmwater fish are found are also managed to provide a recreational fishery for hatchery trout. Where the two co-occur, project sampling also collects information used to mange the trout fisheries.

Watershed Benefits: Wamrwater fisheries in Oregon are sustained primarily through natural production. In addition to the fish information collected, project sampling helps determine the relationship between the health and status of these populations and habitat conditions. Because warmwater fish often co-occur with native fish and wildlife, information about these and the their habitat is collected as well.

Current Situation: Due to budget concerns, the project was recently reduced from two staff (Eastern Oregon biologist and Western Oregon biologist) to a single person responsible for statewide efforts. The remaining person has inherited much of the equipment that had been used by their coworker including a much larger electrofishing boat, but no trap nets.

The project biologist often uses trap nets in addition to or instead of electrofishing to sample panfish, perch, and juvenile bass in many waters, particularly in the smaller lakes and ponds located in or near urban areas. Much of this effort is led by the project seasonal employee working with interns and other volunteers - or overseeing volunteers working independently - allowing the project to each year inventory and monitor more waters. Two additional trap nets would allow this effort to be more effectively expanded statewide.

The project has a smaller electrofishing boat that has for the past several years been used by the Western Oregon biologist. The boat is in excellent condition and has not needed repairs other than those associated with normal wear-and-tear and maintenance. The consolidated project now has a second and much larger electrofishing boat that had been used in eastern Oregon. It can carry more people and gear during sampling and hold more fish during stocking efforts to collect and transfer fish to other waters. It also has a larger outboard (115 HP vs 50 HP) and is safer to use on larger waters or in rougher conditions. However,

because of its size, it can't access or be used in areas where the smaller boat can.

Given the different roles each boat can play, the project is planning to continue to maintain and use both boats. However, the larger boat is in need of repair and improvements. Although it has been kept functional, there is concern about the reliability and safety given the nature of the repair work that has been done. Also, some of the equipment on-board no longer works or works in the manner it was designed to. The proposed repairs and improvements would resolve these issues and concerns.

Alternatives: Alternatives include:
Continue to use existing equipment (two trap nets, the smaller electrofishing boat) to cover statewide responsibilities.
Continue to use the two existing trap nets to cover statewide work and make only critical repairs to the larger electrofishing boat to ensure it is safe to operate thereby giving the project two boats to work with.
Purchase two new trap nets.
Purchase a new electrofishing boat. However, a new boat would be very expensive and the existing boat is an excellent work platform that can be made usable at a fraction of the cost.

Designer: The trap nets would be constructed by Christiansen Nets. Work on the electrofishing boat will be done by Smith-Root, which did the initial conversions to both project boats and has since been doing maintenance and repairs to the smaller boat.

Methods: The trap nets will be constructed by Christiansen Nets located in Minnesota. The company constructed the two trap nets that have been used by the project for more than seven years. The electrofishing boat will be delivered to Smith-Root in December 2014 and be available for use approximately two months after.

Inspector: The ODFW warmwater project biologist.

Funding Elements: R&E funds will be used to purchase the nets and fund the repairs and improvements to the electrofishing boat.

Partners: No

Existing Plan: No

Affected Contacted: No

Affected Supportive: No

Project Schedule/Participants/Funding

Activity	Date	Participants
Boat to Smith-Root for electrical work	12/15/2014	ODFW, Smith-Root
Submit trap net order	12/15/2014	ODFW, Christiansen Nets
Pick-up boat from Smith-Root, deliver to local shop for outboard maintenance and related work	2/9/2015	ODFW, Southside Marine

Affected Species: Rainbow Trout
Warmwater

Project Permits

This project has no permits.

Project Monitoring

This project has no monitoring.

Project Maintenance

Organization	Address	Activity	Frequency
ODFW	4034 Fairview Ave SE Salem, OR 97302	Equipment maintenance and repair	As needed

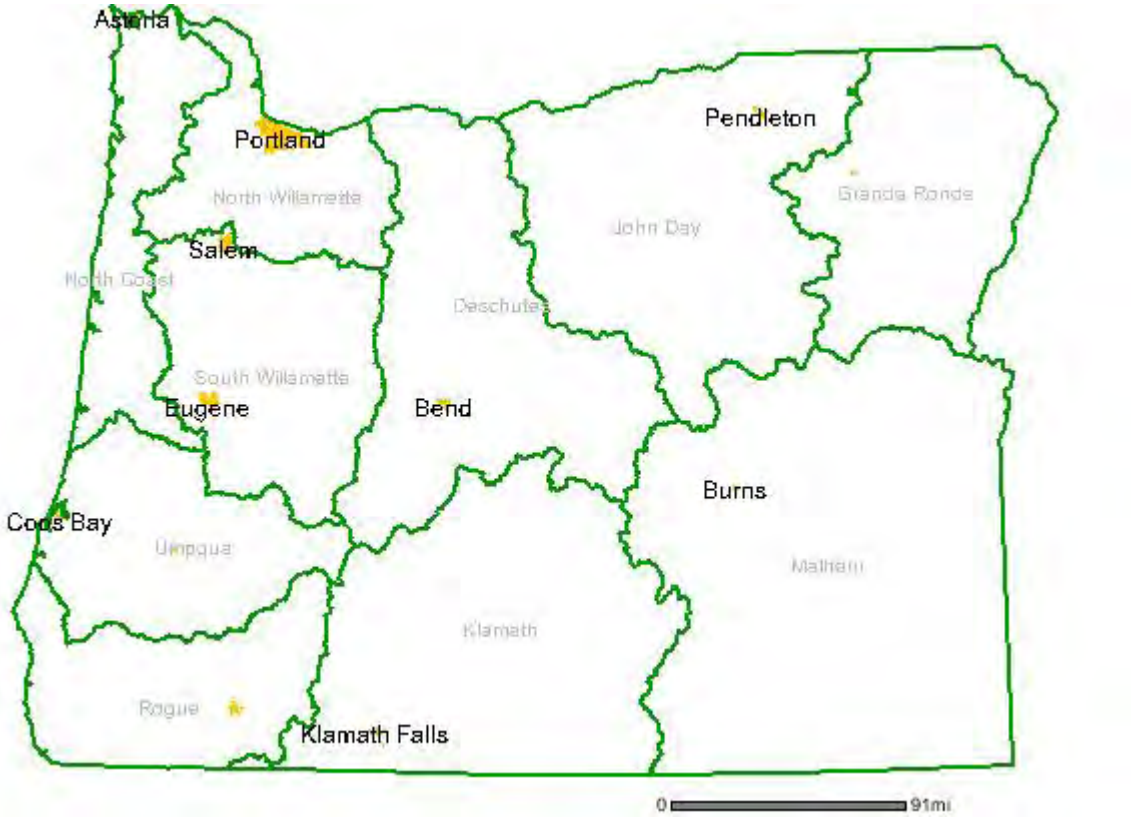
Project Match Funding

Funding Source	Cash	In-Kind	Other	Description	Total	Secured?	Conditions?	Comments
R&E Request	$14,800.00	$0.00	$0.00		$14,800.00	No	No	
				Total Match Funding:	$14,800.00			

Project Budget

Item	Item Type	Units	Unit Cost	R&E Funds	Match Funds	Total
Trap net - 4x6 ft box, 125 ft lead, two 25 ft wing	Equipment	2	$1,400.00	$2,800.00	$0.00	$2,800.00
Electrofishing boat repair and improvements	Supplies/Materials /Services	1	$12,000.00	$12,000.00	$0.00	$12,000.00
					Total Budget:	$14,800.00

Project Map



Additional Files

Click a link to view that particular file.

Eboat Repairs and Improvements

Pictures of Eboat and Trap Net

Signature Authorization Page


Electrofishing Boat
OR 772 XX
DANGER

Electrofishing Boat


Trap Net in Siltcoos Lake

Overview of Electrofishing Boat Repairs and Improvements

- Maintenance due on 115 HP outboard
- Maintenance due on 8 HP outboard
- Re-route of outboard control cables and replace throttle and gear control
- Re-wire and install new console lighting
- Replace and re-wire console control panel (generator start and stop switch, switches for each work and deck light array and headlights, livewell switches)
- Replace leaking fuel fill lines and faulty tank gauges
- Replace work and deck lights with LED lights (brighter, lower power demand, longer lasting)
- Replace head lights with LED lights and install console control to adjust angle
- Install rear facing LED lights for back-up
- Re-wire and re-plumb livewell to fill, empty, and recirculate
- Re-wire lines to and from electrofishing unit, generator, and wire arrays (much of this will require removal and then re-installation of the flooring and housing areas on deck)
- Replace wiring to anode poles as needed
- Replace muffler cooling pump and re-wire system
- Install thermostat on muffler cooling system
- Replace automatic bilge
- Re-wire battery array and replace batteries as needed
- Install on-board charger for charging all batteries
- Repair leak on hull of boat
- Other work encountered as needed

Applicant Signature Page
Fish Restoration and Enhancement Program
(Oregon Department of Fish and Wildlife Applicants)

I hereby make an application for financial assistance under the terms and conditions of the Fish Restoration and Enhancement Program as described in my project application. I acknowledge that:

- This proposal is an identified priority at the ☐ district, ☐ region, and/or ■ state level and has been identified as such in the application (**check box** for appropriate level).
- This proposal is consistent with any applicable goals, policies, rules, species or basin management plans adopted by the F&W Commission and this has been explained in the application.
- This proposal will not be used to cover, back fill, or fund shift elements that have been cut or defunded as part of agency budget reductions. Approved deferred maintenance or projects with division approval are exceptions.

I understand that if my project proposal is approved for Restoration and Enhancement (R&E) Program funding, the following will apply:

- Applicants must sign an agreement containing the terms and conditions for the project implementation, release of funds, and documentation of completion. Non-compliance may impact future funding opportunities.
- The R&E Program will not pay for expenses which occur before the approved start date or after the end date.
- Funding is available one biennium only without prior authorization by the R&E Board.
- Applicant agrees to notify the R&E Program of all funds not needed for the project upon determination.
- Any inappropriate expenses using R&E funds will be corrected by the applicant immediately. By the close of the biennium any expenses exceeding, or not identified in, the grant approval will be reverted to a local cost code.
- Copies of all landowner, monitoring and maintenance agreements must be submitted to the R&E Program.
- Educational products resulting from projects are public domain.
- Information collected is subject to Oregon Public Records Law.
- As applicable, the project will be consistent with all federal, state, and local regulations, including the State Land Use Planning Goals & Local Land Use Plans, prior to any on the ground work.

By signing this application, I certify to the best of my knowledge that the information contained in the application are true, complete and accurate. If awarded funding the applicant agrees to follow all terms and conditions outlined in the agreement.

Project Title: Warmwater Project Equipment

Applicant Name: Gary Galovich Title: Warmwater and Rec Fish Biologist

Applicant Signature: [redacted] Date: 07-09-14

Manager Certification:
To be completed by Watershed Manger, Hatchery Coordinator, Program Manager, or higher level manager.

- I concur with the statements above and the applicant has permission to request these funds.

Manger Name: Mike Gauvin Title: Rec Fish Program Manager

Manager Signature: [redacted] Date: 07-09-14