R & E Grant Application 25-27 Biennium

Project #: 25-036

1993 Duckworth work boat re-power

Project Information

Requested Cycle:	25-4
R&E Project Request:	$20,000
Other Funding:	$1,000
Total Project:	$21,000
Spending Start Date:	7/1/2025
Spending End Date:	6/30/2027
Project Start Date:	7/1/2025
Project End Date:	6/30/2027
Organization:	Oregon Department of Fish and Wildlife

Applicant Information

Name:	Ben Walczak
Address:	17330 Se Evelyn St Clackamas, OR 97015
Telephone:	971-673-6011
Email:	ben.walczak@odfw.oregon.gov

Past Recommended or Completed Projects

Number	Name	Status
25-033	NWWD Broodstock maintenance	Recommended

Authorized Agent

Name:	Kevin Stertz
Address:	17330 SE Evelyn Street Clackamas, OR 97015
Telephone:	971-673-6044
Email:	kevin.a.stertz@odfw.oregon.gov

Location Information

Where is it?

The project will not occur on any property

Project Summary

Project Summary

Please provide a couple sentence summary of the proposal.

A 1993 Duckworth work boat was recently transferred to the NWWD and needs to be re-powered to make the boat functional for sampling activities within the District.

Overall Project Goals

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

Re-power the work boat so staff can sample waterbodies effectively.

Primary objectives of R&E funding

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

Purchase and install a new motor (115hp jet pump) by 03/27.

Current Situation/Justification

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

Funding is needed because the current motor is 30+ years old and beyond repair. Availability of parts and feasibility of repairs is difficult with a motor of this age. A new motor will allow staff to sample lakes and rivers within the NWWD safely and effectively.

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.

Staff will use the boat for sampling activities on lakes and rivers. Activities include assisting with broodstock collection and creel surveys, lake netting, radiotelemetry, checking deadlines/hanging signs, and investigating fish kills.

Percent benefit split between Commercial and Recreational anglers:

5 % Commercial
95 % Recreational

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

NWWD staff focus on recreational fisheries but occasionally assist other programs.

This project has been identified as an ODFW priority for:

Local/watershed

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

Division priorities?

Yes

Yes, staff will use the boat to monitor fisheries within the NWWD and lower Columbia.

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

NWWD watershed

Identify any plan or other document that identifies this priority.

R3, Everyone Belongs Outdoors, HGMPs, FMEPs, upper Willamette BiOP, Lower Columbia Recovery plan

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

No

This project is intended to benefit the following species:

Largemouth Bass
Smallmouth Bass
Other Fish Species
American shad, common carp, walleye
Other Species
ducks, geese, Columbian white-tailed deer
Spring Chinook Salmon
Coho Salmon
Lamprey
Winter Steelhead
Rainbow Trout
White Sturgeon

This project will benefit anglers or fishery by providing:

Monitoring/Research

Monitoring/Research

This project will be used to evaluate:

Angler satisfaction/harvest (Creel)
Disease/pathogen
Distribution (i.e. presence, abscence, abundance)

Has this project been reviewed or developed by an individual with appropriate qualifications (i.e ODFW biometrician, research professor)?

No

Is this study critical to fishery management decisions?

No
No

Is there a plan to repeat this monitoring or research in the future?

No

Will the data be reported or published?

No

Project Description

Schedule

Activity	Date	RE Funding
Purchase and install outboard motor	03/27	No

Permits

Permit	Secured?	Date Expected
No permits needed	No	

Project Design and Description

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

Purchase a new motor and electronics then use a qualified boat mechanic to install it on the existing work boat.

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?

A new motor is anticipated to last ~20 yrs.

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

NWWD District Fish biologists

Will the project require ongoing maintenance?

Yes

Routine boat motor maintenance

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

No

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?

No

Other Funding Source	Type	Secured	Dollar Value	Comments
ODFW staff time	In-Kind	Pending	1,000	

		Total	1,000	

Budget

Item	Unit Number	Unit Cost	In-kind or non-cash contributions	Funding from other sources	R&E Funds	Total Costs
PROJECT MANAGEMENT						
NWWD Fish Biologist	10	100	1,000			1,000
		SUBTOTAL	1,000			1,000
IN-HOUSE PERSONNEL						
		SUBTOTAL				
CONTRACTED SERVICES						
		SUBTOTAL				
TRAVEL						
		SUBTOTAL				
SUPPLIES/MATERIALS						
New115 HP outboard motor (jet pump, 4 stroke)	1	18,000			18,000	18,000
Batteries and electronics		2,000			2,000	2,000
		SUBTOTAL			20,000	20,000
EDUCATION/OUTREACH						
		SUBTOTAL				
EQUIPMENT						
		SUBTOTAL				
FISCAL ADMINISTRATION						
		SUBTOTAL				
		BUDGET TOTAL	1,000	0	20,000	21,000

Internal Review Results

Review Score: 3.9 out of 5

(1 = Do Not Fund, 2 = Strengthen Proposal, 3 = Recommend with Conditions, 4 = Recommend, 5 = Strongly Recommend)

Summary of Review Team Comments

The review team was supportive of this project and gave it a cumulative score of 3.9

Specific Review Team Comments

It's an excellent use of R & E funds!

Need to have reliable equipment to conduct sampling efforts.

Specific Review Team Questions

Is a 115 HP needed to power the boat? Could a slightly smaller motor work and save money?

Yes, the 115 HP jet is required. This HP was specifically recommended by marine professionals for this boat and our survey conditions. We must operate in shallow water and current, which requires a jet-drive motor. Propellers are not an option. Jet drives lose roughly 30% of effective power compared with propellers (a 115 HP jet ~ 80 HP prop). A smaller jet would leave insufficient reserve to hold position or maneuver against current with crew and gear aboard. The 115 HP is the minimum that meets professional recommendations for safe, reliable performance. Additionally, there is not much of a cost difference between a 90HP and a 115HP.

Is installation included with the motor purchase? No line item in the budget for installation.

Yes, the installation is included with the motor purchase. The price covers both the motor and professional installation/rigging. Because installation is bundled into the single vendor price rather than contracted separately, it does not appear as a distinct line item in the budget.

Have you searched state surplus sites for a motor?

Yes, we searched state surplus listings but could not find a motor that met our needs.

Additional Files

Budget Information

Maps

Photos

Design Information

Management Plans and Supporting Documents

Permits and Reviews

Partnerships

Public Comment

Administrative Documents

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Signature Page Niemela — *Signature Page*

Completion Report

A completion report has not been submitted for this project.