R & E Grant Application 25-27 Biennium

Project #: 25-033

NWWD Broodstock maintenance

Project Information

Requested Cycle:	25-4
R&E Project Request:	$13,500
Other Funding:	$2,000
Total Project:	$15,500
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
25-036	1993 Duckworth work boat re-power	Recommended

Location Information

Where is it?

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

Landowner Information

Name:	Risley Bradshaw
Affiliation:	volunteer/landowner
Address:	20291 S. Baker's Ferry Rd Oregon City, Oregon, 97045
Cell:	503-780-2863

Name:	Jack Glass
Affiliation:	volunteer/landowner
Address:	1409 E. Historic Columbia R. Hwy. Troutdale, Oregon, 97060
Cell:	503-260-2315

Name:	Bull Run Powerhouse
Affiliation:	volunteer/landowner
Address:	13151 SE Bull Run Road Sandy, Oregon, 97055
Cell:	541-550-6370

Site Description

Street Address, nearest intersection, or other descriptive location.

Directions to the site from the nearest highway junction.

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

Limited 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.

Dominant Land Use Type:

Rural residential

Project Location

General Project Location.

Specific Project Location.

Latitude	Longitude

Project Summary

Project Summary

Please provide a couple sentence summary of the proposal.

NWWD Broodstock programs need repairs. The project will repair, replace, and/or purchase equipment to ensure that the program continues to function as intended.

Overall Project Goals

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

NWWD broodstock programs provide anglers with opportunities to harvest hatchery winter steelhead and spring Chinook in the Portland metro area.

Primary objectives of R&E funding

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

Repairs, replacement, and/or purchase of equipment will occur before next acclimation period (~ 03/27).

Current Situation/Justification

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

Inclement weather this past winter hit acclimation ponds (Foster, Bull Run, Trout Cr) and broodstock collection locations (Sandy, Clackamas) hard. High flows damaged pumps and intakes in the river, damaged infrastructure, or altered locations so that minor infrastructure changes need to occur. Power surges melted starters in pumps. Long power outages (2+ days) enforced that increasing the propane capacity for the Bull Run generator must be a top priority as the current tank provides enough fuel for 10-12 hours.

Recreation and Commercial Benefit

This project will provide benefits to:

Recreational fisheries
Commercial fisheries

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

Broodstock programs provide anglers with the opportunity to harvest winter steelhead and/or spring Chinook on the Sandy, Clackamas, and Molalla River. These popular programs are close to the Portland metro area and can have high angler effort. Current creel information is unavailable.

Percent benefit split between Commercial and Recreational anglers:

5 % Commercial
95 % Recreational

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

Programs exist to provide recreational anglers harvest opportunities. Some spring Chinook are caught by commercial anglers.

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
Sandy, Clackamas, Molalla HGMPs, Lower Columbia Recovery Plan

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

ESA listing in the late 1990s. Lower Columbia Recovery Plan

Identify any plan or other document that identifies this priority.

Lower Columbia Recovery Plan, HGMPs

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

Yes

STEP volunteers feed fish at acclimation ponds. Volunteer anglers catch fish for inclusion into the hatchery broodstock.

This project is intended to benefit the following species:

Spring Chinook Salmon
Winter Steelhead

This project will benefit anglers or fishery by providing:

Angling Opportunity
Hatcheries/Propagation/Liberation

Angling Opportunity

This project will:

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

Hatcheries/Propagation/Liberation

Hatchery Name:

Foster Pond, Bull Run Pond, Trout Cr Pond, Sandy Broodstock collection, Clackamas Broodstock collection

This is a:

STEP hatchery

As a result of this request hatchery production will:

Maintain

This project will:

Restore, rehabilitate, modify, or replace existing production/acclimation facilities
Improve effectiveness of hatchery operations (i.e. improve survival or return to angler)

Fish produced at this facility are for:

Sport harvest
Mitigation

Project Description

Schedule

Activity	Date	RE Funding
Rebuild, repair, or replace equipment before the next broodstock season.	03/27	Yes

Permits

Permit	Secured?	Date Expected

No new/additional permits are needed for this work	No	

Project Design and Description

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

NWWD fish and hatchery staff will work together to rebuild, repair, or replace equipment. NWWD fish and hatchery staff have been working together on broodstock program projects for ~20 years.

Sandy Basin:

• Acclimation

o Power outage/surge melted the starter for the pump at Bull Run Pond. Additionally, starters are not readily available so having an additional spare in the NWWD is necessary.

o The entrance gate at Bull Run Pond has reached its lifespan and needs to be replaced. The gate controls no longer work consistently, and the gate rollers are worn out. This gate provides site security and needs to be fixed.

o Lumber to replace the pump deck at Bull Run Pond. High flows washed the deck that the pump sits on away. The pump needs to sit on the deck to be able to pump water into the pond (elevation is too great without).

o Frequent power outages require backup systems. The current backup system can use the propane generator for ~12hrs, power outages last 48-60hrs, requiring emergency releases. Additionally, delivery of propane during periods of inclement weather can take up to 7-10days (priority delivery).

• Broodstock

o The angler caught winter steelhead program relies on a ~20yr old pump that has been rebuilt several times. The silty water in the Sandy River is starting to wear the pump out. Without this pump we cannot hold angler caught winter steelhead broodstock at a secure location for pickup and transfer to Sandy Hatchery for inclusion into the winter steelhead program. Initial research indicates that the pump and intake do not qualify for cost share. Purchasing the same/similar pump will not require replacing fittings on the intake line at the circular and intake.

o Our intake line was secured to a staircase railing and was ripped off during high flows damaging stair treads and the railing necessitating repairs.

o Replace a PVC pipe and a ball valve that controls flow into our circular tank. Over the years, the pipe is becoming brittle, and the silt has worn the ball valve down. Having the ability to drain the circular and adjust flows are importnat aspects to holding adult steelhead safely.

Clackamas Basin:

• Acclimation

o Power outage/surge melted the starter for the pump at Foster Pond.

o Gravel is needed to keep liberation trucks from sliding down the acclimation pond “driveway,” The driveway has not been re-graveled since the pond was built ~20yrs ago.

Molalla Basin:

• Acclimation

o Lumber to replace/rebuild stairs and railing that provide access to Trout Cr Pond. The railing is also used to secure the liberation pipe. The railing/bottom stair broke during a transfer from the liberation truck to the pond resulting in a minor fish kill.

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?

Some of the equipment has been in service for ~20 years, some needs to be replaced periodically when high flows damage it. If parts/equipment can be refurbished, they are used as backups.

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

NWWD District Fish biologist. NWWD uses S&S budget to purchase equipment and materials to ensure that broodstock programs continue to function as intended.

Will the project require ongoing maintenance?

Yes

Equipment is in the river during variable flows and atmospheric conditions; maintenance occurs at the end of season.

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
NWWD staff time	In-Kind	Pending	2,000	
		Total	2,000	

Budget

Item	Unit Number	Unit Cost	In-kind or non-cash contributions	Funding from other sources	R&E Funds	Total Costs
PROJECT MANAGEMENT						
District Fish Biologist	20	100	2,000			2,000
		SUBTOTAL	2,000			2,000
IN-HOUSE PERSONNEL						
		SUBTOTAL				
CONTRACTED SERVICES						
		SUBTOTAL				
TRAVEL						
		SUBTOTAL				
SUPPLIES/MATERIALS						
Broodstock pump and intake for Sandy winter steelhead	1	2,500			2,500	2,500
Starters for pumps at Bull Run, Foster, and Trout acclimation	3	1,000			3,000	3,000
Additional propane capacity at Bull Run (propane generator)	1	3,500			3,500	3,500
Fix entrance gate at the Bull Run	1	2,000			2,000	2,000
Lumber to fix railing, decking, and stairs at sites		1,000			1,000	1,000
Gravel to keep liberation trucks from sliding (12yds/load delivered)	3	500			1,500	1,500
		SUBTOTAL			13,500	13,500
EDUCATION/OUTREACH						
		SUBTOTAL				
EQUIPMENT						
		SUBTOTAL				
FISCAL ADMINISTRATION						
		SUBTOTAL				
		BUDGET TOTAL	2,000	0	13,500	15,500

Internal Review Results

Review Score: 3.7 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 IRT review team gave this project a combined score of 3.7.

Specific Review Team Comments

Review team wanted a better narrative of the equipment and materials needed, along with more details on the work needed at each project.

Specific Review Team Questions

Are there any cost share opportunities for the pumps and intakes available through the Fish Screens and Passage program?

Additional Files

Budget Information

Maps

Photos

Design Information

Management Plans and Supporting Documents

Permits and Reviews

Partnerships

Public Comment

Administrative Documents

NWWD Broodstock maintenance

Signature Page Niemela — *Signature Page*

Completion Report

A completion report has not been submitted for this project.