



R & E Grant Application 17-19 Biennium

Project #: 17-030

Bowman Pond Sediment Removal 2017

Project Information

Requested Cycle: 17-3
R&E Project Request: \$28,264
Other Funding: \$10,760
Total Project: \$39,024
Spending Start Date: 7/1/2018
Spending End Date: 6/30/2019
Project Start Date: 7/1/2018
Project End Date: 10/15/2018
Organization: Bowman Pond for the Handicapped (Tax ID #: 45-0509704)

Applicant Information

Name: Kathleen Bowman
Address: 1965 Olalla Rd
Winston, OR 97496
Telephone: 541-679-5566
Telephone 2: 541-391-3811
Email: Dlkatbowman@gmail.com

Past Recommended or Completed Projects

This applicant has no previous projects that match criteria.

Authorized Agent

Name: Evan Leonetti
Address: 4192 N Umpqua Hwy
Roseburg, OR 97470
Telephone: 541-464-2175
Telephone 2: 541-315-1301
Fax: 541-673-0372
Email: evan.leonetti@odfw.oregon.gov

Location Information

Where is it?

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

Site Description

Street Address, nearest intersection, or other descriptive location.

1965 Olalla Rd Winston, OR 97496.

Directions to the site from the nearest highway junction.

From the Hw 42/ Olalla Rd intersection head south on Olalla Rd for 1.7 miles and turn right on private drive. continue up to hay barns and turn right through the gate. Continue on to the pond ~300 meters.

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.

N/A

Dominant Land Use Type:

Range/pasture

Cropland

Project Location

General Project Location.

County: DOUGLAS

ODFW Dist: Umpqua

Stream/Lake/Estuary Perron Creek

Name:

Tributary of: Olalla Creek

Specific Project Location.

Latitude	Longitude
43.09647	-123.51289

Project Summary

Project Summary

Please provide a couple sentence summary of the proposal.

Bowman's Pond (501c(3) non-profit) has filled in with sediment and needs the sediment removed. This project would restore the pond by removing approximately 4,000 cubic yards so it can hold the appropriate amount of rainbow trout. This will allow Bowman's to continue to serve disabled and elderly anglers.

Overall Project Goals

Describe the primary goals or outcomes of the entire project, including elements not requesting

funding from R&E.

The main goal is removal of 4,000 cubic yards of sediment. The outcome should be a restored pond that is capable of holding more rainbow trout.

Primary objectives of R&E funding

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

The measureable objective is that the pond will be restored to its original size. Removal of 4,000 cubic yards during the month of September 2018 will reduce the summertime water temperatures and increase trout habitat.

Current Situation/Justification

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

Currently Bowman's Pond has filled in with sediment so much so that it has lost over half of its capacity. without this capacity, Bowman's is incapable of serving the demographic that is in need. Currently Bowman's is the best place in Douglas County for elderly and disabled anglers to fish. In it's current state the pond not only cannot hold as many trout, but can hold them over a shorter period of time. Recently a large number of trout died after being stocked into the pond. A goal for the pond is to serve more people in this demographic. With a much smaller pond it is not possible to provide the even same level of service. Without funding from the Restoration and Enhancement Fund, the pond will become less and less able to serve the disabled and elderly public.

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.

Bowman's Pond is the best trout fishing opportunity for disabled and elderly anglers in Douglas County. Bowman's had about five hundred visitors in 2016, with over four hundred trout caught. This may seem like a small number of anglers, but the project is expected to provide increased angling opportunity for at least 10 years.

Percent benefit split between Commercial and Recreational anglers:

0 % Commercial

100 % Recreational

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

There are no commercial fisheries at the pond, therefore it is only a benefit to recreational 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?

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.

The project is a priority in the Umpqua District and fits within the ODFW's 25-year Angling

Enhancement Plan.

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
Secure funding and contractor	2/18	No
Dewater Pond and remove sediment	9/18	No

Permits

Permit	Secured?	Date Expected
N/A	No	

Project Design and Description

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

Site prep:

The pond will be dewatered over a period of several days. Efforts will be taken to recover as many trout as possible and relocate them. Since there are no other species of fish present and it is not within anadromy, no other species need to be salvaged. Discharged water will be deposited on a nearby field and allowed to filter through the field back into the stream. This will be done to prevent excess sediment from entering the creek. Coho salmon are known to use the creek more than a mile downstream. Some work around the pond will be completed prior to the arrival of machinery. Some handrails may need to be removed.

Excavation Plan:

In order to remove enough sediment to return the pond to near the original size, a long reach sixty foot excavator will need to be used. Due to the nature of the soil, cold-water springs, and steepness of the sides of the ponds, there will be no work within the wetted area. All work will be done from the bank at several locations. As few trees will be removed as possible to retain shading and benefits to the watershed. The excavator will deposit spoils directly into a dump truck and the dump truck will deposit the spoils at the assigned location (See attachment). Sediment will be removed until four thousand cubic yards have been removed. Amounts will be calculated by how many buckets full are removed.

The contractor will be responsible for all safety and environmental concerns in regards to excavation work. All best management practices will be followed when working near a waterway including but not limited to: Fueling will be completed at least 100 feet away from the water's

edge and emergency cleanup equipment will be staged nearby. All fire restrictions will be followed as provided by the Douglas County Fire Protection Agency.

Sediment Trap for future maintenance:

The sediment trap will be constructed in upper portion of the pond near the access road (see attachment). This location will provide easy access for a small excavator to access the trap and remove the built up sediment. The trap will be checked each spring and cleaned as necessary. Since the pond is exempt from removal/fill permitting, there doesn't need to be any consultation with permitting agencies. The trap will span the width of the stream and be approximately 10 feet wide by 30 feet long. The trap will consist of a section of the pond excavated to 7 feet deep with large diameter rock lining the bottom. A log weir will be constructed at the downstream end of the trap to help capture sediment. Connectivity to the creek will be maintained. The Bowman's will be responsible for the removal of sediment from the trap and will place the soil in the same location identified for the project.

Future Sedimentation:

Sedimentation of the pond has been occurring since 1996 when it was constructed. However, has become more intense in the last several years (see attachment). The most likely culprit is the logging and road building practices of the upstream neighbor. Unless things change, more sedimentation will likely occur. With the sediment trap capable of hold over 60 cy of material this will be dealt with.

Engineering

Does the project involve capital improvement, engineering, site grading or other construction?

Yes

Not associated with ODFW

Project Management and Maintenance

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

A sediment trap will be designed to ensure easier removal of sediment in the future. Regular removal of sediment will occur as needed.

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

Bowman's pond has limited funding, but will maintain the pond as much as possible.

Maintenance of the pond area is already done by the Bowman family.

Will the project require ongoing maintenance?

Yes

Removal of sediment from the sediment trap will occur as needed.

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

Yes

Temperatures will be collected to monitor the change after project completion. Temperatures will be taken during the summer of 2018 prior to construction at least once a week at a standard location. Post-treatment monitoring will include at least one temperature taken at each site at least twice a week from May 1 through September 15.

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":"Umpqua Fisheries Enhancement Derby Grant","type":"Cash","secured":"Secured","dollarValue":1750,"comments":"A grant has been submitted for more, but this is the expected award."}, {"source":"Volunteer","type":"In-Kind","secured":"Secured","dollarValue":7810,"comments":"Bulldozer, Trucking and Labor provided by landowner."}, {"source":"ODFW staff time for planning and implementation","type":"In-Kind","secured":"Secured","dollarValue":1200,"comments":"Biologist will be involved in designed and assisting in implementation."}]

Other Funding Source	Type	Secured	Dollar Value	Comments
Umpqua Fisheries Enhancement Derby Grant	Cash	Secured	1750	A grant has been submitted for more, but this is the expected award.
Volunteer	In-Kind	Secured	7810	Bulldozer, Trucking and Labor provided by landowner.
ODFW staff time for planning and implementation	In-Kind	Secured	1200	Biologist will be involved in designed and assisting in implementation.
		Total	10760	

Budget

Item	Unit Number	Unit Cost	In-kind or non-cash contributions	Funding from other sources	R&E Funds	Total Costs
PROJECT MANAGEMENT						
Evan Leonetti - ODFW	20	30.00	600	0	0	600
		SUBTOTAL	600	0	0	600
IN-HOUSE PERSONNEL						
Evan Leonetti - ODFW	40	30.00	600	0	0	600
		SUBTOTAL	600	0	0	600
CONTRACTED SERVICES						
Excavator	75	175.00	0	1750	11375	13125
2 Dump Trucks	150	85.00	1700	0	11050	12750
Diesel Trash pump 6"	1	3368.00	0	0	3368	3368
Bulldozer	70	85.00	5950	0	0	5950
Lowboy deliver of Excavator	12	148.00	0	0	1776	1776
Labor	24	20.00	160	0	320	480
		SUBTOTAL	7810	1750	27889	37449
TRAVEL						
			0	0	0	0
		SUBTOTAL	0	0	0	0
SUPPLIES/MATERIALS						
Gas for pumps	150	2.50	0	0	375	375
		SUBTOTAL	0	0	375	375
EDUCATION/OUTREACH						
			0	0	0	0
		SUBTOTAL	0	0	0	0
EQUIPMENT						
ODFW trash pumps	0	0.00	0	0	0	0
		SUBTOTAL	0	0	0	0
FISCAL ADMINISTRATION						
			0	0	0	0
		SUBTOTAL	0	0	0	0
		BUDGET TOTAL	9010	1750	28264	39024

Internal Review Results

Review Score: 1.2 out of 3

(0 = Do Not Fund, 1 = Strengthen Proposal, 2 = Recommend, 3 = Strongly Recommend)

Summary of Review Team Comments

While the review team was generally supportive of the concepts it was not supportive of the current proposal as there were several significant questions and concerns. The team was especially concerned that based on the application this appears to be a private pond limited to invited guests with no agreement for public access. The team also felt that justification for the cost/benefits of this project were minimal. The application needs to be improved and strengthened. Review team scores included two 0s, four 1s and four 2s.

Specific Review Team Comments

This pond is reserved for disabled, youth, and special needs anglers by invitation and not open to general anglers.

The proposal is lacking details on items such as the excavation plan, sediment trap, pre/post storage capacity (water right), sediment recruitment/future sedimentation, and life span of the removal project.

More justification for increase trout survival needs to be included. Based on the information in the application 500 anglers caught 400 fish. That is a pretty good catch rate. Deepening the pond will allow fish to go deeper. While this may help survival, it may in fact reduce the catch rate. It seems like the current situation allows high harvest rates. It is hard to justify spending money to potentially reduce catch rates at a site that is meant to provide an easier opportunity.

\$37,439 of R&E funds divided by 500 anglers is an investment of \$75/angler. Even if this work lasts ten years that is over \$7 per angler/yr. License fees are only \$4 per angler/yr, assuming everyone fishing has a annual license.

Not sure this is an effective use of R & E funds.

The attachments provided some useful information about the non-profit status, groups that use the facility, etc. but some of that information could have been presented earlier within the body of the proposal.

Specific Review Team Questions

The application mentions a sediment trap to be installed, but doesn't provide further detail and nothing is separated out in the budget. What does this look like, who will construct, and how's it paid for?

The water right is for 4.26 acre feet. When completed what will be the capacity of the reservoir? If it will increase capacity this needs to be evaluated by water resources.

What is causing the pond to fill with sediment? How will this project fix the problem such that the pond won't need future sediment maintenance. Have the causes of high sediment load been addressed? What has been the depth/sedimentation history? How long has this taken for sediment to decrease the quality of the pond, or has it always been shallow? What is the source of sediment, and are there remedies in place to alleviate sedimentation? Need more details on the trap to evaluate and for considering what the maintenance interval might be.

What access agreements are in place to ensure continued public access? Is this a private pond? How is access provided? Please explain the program through which persons who are disabled and

the elderly are able to fish the pond. Can anyone from the public access the pond to fish? Do the people who utilize the pond have fishing licenses? What assurances are in place to continue to allow public access following improvement?

Please explain how the quality of the experience has diminished through time as the pond became filled with sediment. How much improvement can we expect from this?

What is the current stocking rate and the source of the fish? What is the appropriate number of fish that should be stocked?

If funded, where will the spoils be removed to and wasted? Has the disposal site been evaluated to ensure no wetlands are present?

Have you determined the need for a fill and removal permit or any other permits to do this work?

Are there habitat features such as LWD present in the pond? If so are these to be replaced after sediment removal?

Project Map



Additional Files

Budget Information

[Excavator Estimate](#)

[Pump Estimate](#)

Maps

[Project Map](#)

Map image of project location

Photos

[Pond photo 1.2](#)

[Pond photo 3.4](#)

Design Information

[Design Drawing](#)

Drawing of removal area and pond depths

[Sediment maps and desing information](#)

Maps and desgineds of spoils site, sediment trap, and sediment encroachment over time.

Management Plans and Supporting Documents

[Pamphlet](#)

[Pond Survey Forms](#)

[Responses to Questions after IR](#)

[User Groups](#)

List of local groups using the pond

Permits and Reviews

[Water Right](#)

Partnerships

Public Comment

[Dean Hatfield support letter](#)

[Letter of Support GH](#)

[Letters of Support](#)

Letters from several groups

Administrative Documents

[501c3 Cert.](#)

[Racial and Ethnic Impact Statement #1](#)

[Racial and Ethnic Impact Statment part 2](#)

[signature](#)

Completion Report

A completion report has not been submitted for this project.