



R & E Grant Application 17-19 Biennium

Project #: 17-015

Arizona Pond Sediment Removal 2017

Project Information

Requested Cycle: 17-2
R&E Project Request: \$36,306
Other Funding: \$14,195
Total Project: \$50,501
Spending Start Date: 8/4/2017
Spending End Date: 6/30/2018
Project Start Date: 10/1/2016
Project End Date: 6/30/2018
Organization: ODFW - Gold Beach Field Office

Applicant Information

Name: steven mazur
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Past Recommended or Completed Projects

Number	Name	Status
17-043	Chetco Bar Fire Juvenile Steelhead Study 2018	Approved

Location Information

Where is it?

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

Landowner Information

Name: Oregon State Parks and Recreation
Address: 725 Summer St. NE
Salem, Oregon, 97301
Phone: 503-986-0707

Site Description

Street Address, nearest intersection, or other descriptive location.

Arizona Beach State Recreation Area
37000 Hwy 101
Port Orford, OR 97465

Directions to the site from the nearest highway junction.

From Port Orford, drive south on Hwy 101 13 miles to Arizona Ranch Rd. Turn left and travel .3 miles to Arizona Beach State Recreation Site.

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.

The pond is located at OPRD Arizona State Recreation Area. Open to public.

Dominant Land Use Type:

Arizona State Recreation Area has multiple land use. Open pasture, Ocean front, forest/wetland.

Project Location

General Project Location.

County: CURRY
ODFW Dist: Rogue
Sub-basin: 17100306
Tributary of: Myrtle Creek

Specific Project Location.

Latitude	Longitude
42.6156	-124.39588

Project Summary

Project Summary

Please provide a couple sentence summary of the proposal.

Accumulated sediment and aquatic vegetation growth and decay has reduced the depth of

Arizona Pond. The project goal is to remove a portion of the accumulated sediment and return the pond back to its original depth.

Overall Project Goals

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

Enhance recreational fishing opportunity.

Improve deep water habitat for fish and wildlife.

Create a diverse shoreline habitat.

Primary objectives of R&E funding

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

Increase the number of fishable days at Arizona Pond.

Reduce or eliminate the need to utilize mechanical harvesters to open water and shoreline.

Current Situation/Justification

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

Arizona Pond is man made to provide recreational fishing and wildlife viewing by storing water. The pond was created in 2002 and has a water right (R-13207). Since its creation, the pond depth has been reduced on average by 1 foot, due to sedimentation and aquatic vegetation decay. This has resulted in increased vegetation growth, reduced fishing opportunity and reduced wildlife use. The funding is needed to remove a portion of the accumulated material.

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.

OPRD purchased the property where Arizona Pond is located and has fully supported promoting the use of the pond for youth fishing. ODFW, South Coast Fishermen, Curry Anadromous Fisherman, local schools, and many other volunteers put on numerous angler education events at the pond. Youth fishing and wildlife viewing are promoted by OPRD camp hosts and personnel at all local parks.

Percent benefit split between Commercial and Recreational anglers:

0 % Commercial

100 % Recreational

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

The project targets youth sport anglers and families.

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.

25 year angling 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:

Angler Access

Angling Opportunity

Angler Access

This project will:

Improve access to existing angling opportunities

Choose the following that best describes the angling access provided by the project:

Bank

Do similar access sites, facilities, or fisheries exist within 10 miles of the project site?

No

Angling Opportunity

This project will:

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

Project Description

Schedule

Activity	Date	RE Funding
Department of State Lands F/R Permit	5/2017	No
Army Corps of Engineers F/R Permit	5/2017	No
Lower Pond Level	8/2017	No
Pre project bid solicitation	8/2017	No
Award bid/implement project	9/2017	Yes
Restoration of work site	10/2017	No
Submit fill and removal applications	2/2017	No
Submit grant funding application	2/2017	No

Permits

Permit	Secured?	Date Expected
USACE/DSL Joint permit	No	5/2017
ODOT Right of Way permit	No	5/2017

Project Design and Description

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

The proposed project will remove up to 1556 c.y. of organic material and sediment from the banks and bottom of Arizona Pond using an excavator and dump trucks. An additional 100 c.y. of removal/disturbance will occur by actively moving the excavator around the pond. Material removed will be loaded into dump trucks and hauled to the designated disposal site. The

disposal site is approximately 300 yards south and west of the pond and located within Highway 101 right of way. The perimeter of the disposal site will be Hwy 101 on the east side and eco blocks with silt fence placed in front on the west side. The removal project will affect 2/3 of the pond. The remaining 1/3 of the pond will be left untouched to retain a diverse wildlife habitat. The majority of work will be below Ordinary High Water (OHW), which will be dry, mud, or pooled water at the time of the work. This is the first year of conducting maintenance on Arizona Pond by removing accumulated material. Disposal site limitations may require additional years to accomplish goals of the project and removal quantities.

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?

Maintenance will be on going, but it is expected the area of pond affected by the removal project will not need to be maintained for 10+ years. The disposal site will be available for future removal activities. OPRD will remove disposed material once it is dried.

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

No equipment will be purchased. ODFW and OPRD will manage pond levels and vegetation to reduce the need for future maintenance.

Will the project require ongoing maintenance?

Yes

The disposal site will monitored and any maintenance needs will addressed per project goals.

Pond vegetation will continue to be managed to reduce inputs of organic material into the pond.

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

Yes

Current usage rates, current stocking schedule, and money/time spent mechanically removing vegetation.

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":"Oregon South Coast Fishermen","type":"Cash","secured":"Secured","dollarValue":1000,"comments":"Part of funds used to submit application fee for DSL permit"}, {"source":"Curry Anadromous Fishermen","type":"Cash","secured":"Pending","dollarValue":1000,"comments":""}, {"source":"Or

egon Parks and Recreation", "type": "In-Kind", "secured": "Secured", "dollarValue": 6500, "comments": ""}, {"source": "Oregon Department of Fish and Wildlife", "type": "In-Kind", "secured": "Secured", "dollarValue": 5120, "comments": ""}, {"source": "Oregon Department of Transportation", "type": "In-Kind", "secured": "Secured", "dollarValue": 500, "comments": "Disposal site review and approval"}, {"source": "Curry County", "type": "In-Kind", "secured": "Secured", "dollarValue": 75, "comments": "County review fill and removal permits"}]

Other Funding Source	Type	Secured	Dollar Value	Comments
Oregon South Coast Fishermen	Cash	Secured	1000	Part of funds used to submit application fee for DSL permit
Curry Anadromous Fishermen	Cash	Pending	1000	
Oregon Parks and Recreation	In-Kind	Secured	6500	
Oregon Department of Fish and Wildlife	In-Kind	Secured	5120	
Oregon Department of Transportation	In-Kind	Secured	500	Disposal site review and approval
Curry County	In-Kind	Secured	75	County review fill and removal permits
		Total	14195	

Budget

Item	Unit Number	Unit Cost	In-kind or non-cash contributions	Funding from other sources	R&E Funds	Total Costs
PROJECT MANAGEMENT						
ODFW Assistant District Fish Biologist	80	0.00	4000	0	0	4000
OPRD Park Manager and equipment	1	0.00	2000	0	0	2000
		SUBTOTAL	6000	0	0	6000
IN-HOUSE PERSONNEL						
ODFW District Fish Biologist	20	0.00	1120	0	0	1120
ODOT Fishery Biologist	10	50.00	500	0	0	500
Curry County (permit review)	0	0.00	75	0	0	75
		SUBTOTAL	1695	0	0	1695
CONTRACTED SERVICES						
Disposal site prep	1	1600.00	0	0	1600	1600
Excavator	80	200.00	0	0	16000	16000
Dump Truck; off road (labor and machine)	80	140.00	0	0	11200	11200
Equipment move in/out (excavator)	1	2000.00	0	0	2000	2000
Eco Block (move/in)	1	400.00	0	0	400	400
South Coast Fishermen (DSL permit fees, misc.)	1	0.00	1000	0	0	1000
Curry Anadromous Fishermen (Misc.)	1	0.00	1000	0	0	1000
		SUBTOTAL	2000	0	31200	33200
TRAVEL						
			0	0	0	0
		SUBTOTAL	0	0	0	0
SUPPLIES/MATERIALS						
Silt Fence (200 feet)	2	50.00	0	0	100	100
Grass Seed (1 Acre)	4	99.00	0	0	396	396
Straw Mulch (1 Acre)	20	9.50	0	0	190	190
Logs (20' x 18") OPRD in-kind	20	225.00	4500	0	0	4500
Gravel (80 yards)	1	1600.00	0	0	1600	1600
Eco Blocks	47	60.00	0	0	2820	2820
		SUBTOTAL	4500	0	5106	9606
EDUCATION/OUTREACH						
			0	0	0	0
		SUBTOTAL	0	0	0	0
EQUIPMENT						
			0	0	0	0
		SUBTOTAL	0	0	0	0
FISCAL ADMINISTRATION						
			0	0	0	0
		SUBTOTAL	0	0	0	0
		BUDGET TOTAL	14195	0	36306	50501

Internal Review Results

Review Score: 1.9 out of 3

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

Summary of Review Team Comments

The review team was accepting of the project but had some serious questions that were not addressed in the application. The applicant needs to clearly demonstrate that this is this solution will address the identified problem and that all permits have been secured. Review team scores included two 1s, six 2s, and one 3.

Specific Review Team Comments

Does the work require a permit?

This appears to be a good project that will benefit angling opportunity. Was this considered for inclusion in 17-013? If so, why was it not included- not a priority?

Note - this was outside of the scope and area considered for 17-013. It is independent of that bundle.

The applicant should submit a copy of the engineered plans of the removal for review by R&E.

Important Youth Angling site for South Coast District. Support improving conditions for pond angling.

Great match and public involvement.

The project dates are confusing, please verify and correct as needed.

Specific Review Team Questions

Please explain the excavation and benefits better.

Does the work require a permit? If so, what is the status.

What are the logs for?

Under "current situation" the request stated that the pond depth has only been reduced by an average of one foot. That is confusing as the project sounds much more extensive as removal will involve 155-160 dump truck loads of sediment. Concern about the disposal site - appeared to be near some sort of waterway. To what depth will you excavate the part of the pond you treat? If it is 1-1.5 feet of removal, is that enough to control vegetation and improve conditions for angling at the Pond?

The proposal says that the need for vegetation management will be reduced or eliminated, but later says that there will be a continuing need to manage vegetation. Please clarify.

Yes the work requires a DSL (pending) and USACOE (Permit # NWP-2017-13). The logs are for cribbing under the excavator so it will not sink into the mud. Project permit is for 1556 c.y. of removal. Most of removal will be within 30 feet of shore to improve fishing. We are looking to achieve 6-7 foot water depth through the fishing area. The project goal is to reset a portion of the pond to its original depth when created and manage vegetation post project to help maintain the pond.

"The project targets youth sport anglers and families." Are there youth only angling restrictions?

Oregon State Park owns the pond and land and limits angling to youth 17 and under. ODFW supports this and will continue to stock the pond.

Please describe more how this fits into a master plan (history to future)? Will there be new docks,

trails, and other facilities added in the future? Who will pay for those? Why not do them all up front, right now?

There is no master plan for Arizona State Park Recreation Site. Proposed activities are approved by the OPRD Park manager and OPRD Regional manager. Infrastructure will be addressed in a master plan for the recreation site according to OPRD. Funding yet to be determined.

Have you talked with the water master about whether deepening and thereby increasing storage has an implications for the water right? If not, that will need to be done before this can be approved or work initiated.

The pond has a water storage right that is greater than current storage. This proposal does not propose increasing the storage above what the current water right allows and is maintenance of an existing right.

Where does the sediment come from? Is there anything that can be done to work with the system to reduce sediment inputs or encourage sediment transport through the pond? How often will this need to be dredged?

The pond "sediment" is a combination of aquatic and riparian vegetation decay and some overland run off. The pond is lowered pond in late summer to dry vegetation, cattail encroachment is managed, and some aquatic vegetation is cut and removed to reduce inputs. Run off is minimal, but OPRD maintains a riparian buffer along the pond.

Project Map



Additional Files

Budget Information

Maps

[Project Map](#)

Map image of project location

Photos

[Arizona Photo](#)

Arizona Pond Spring

[Arizona Photo](#)

Arizona Pond Mowing

[Disposal site](#)

Photo with wetland delineated

Design Information

[Topo map](#)

Management Plans and Supporting Documents

[Racial and Ethnic Impact](#)

Racial and Ethnic Impact

Permits and Reviews

Partnerships

Public Comment

[CAF LOS](#)

[Oregon Department of Transportation](#)

Support Letter

[Oregon State Parks](#)

[South Coast Fishermen](#)

Support Letter

Administrative Documents

[Signature Page](#)

Signature Page

Completion Report

A completion report has not been submitted for this project.