



# R & E Grant Application 13 Biennium

Project #:  
13-067

## Rock Creek Hatchery - raceway replacement

### Project Information

**R&E Project Request:** \$190,115.00  
**Match Funding:** \$30,000.00  
**Total Project:** \$220,115.00  
**Start Date:** 3/1/2015  
**End Date:** 6/30/2015  
**Project Email:** Dan.H.Meyer@state.or.us  
**Project Biennium:** 13 Biennium  
**Organization:** ODFW - Rock Creek Hatchery

### Applicant Information

**Name:** Dan Meyer  
**Address:** 4192 N Umpqua Hwy  
 Roseburg, OR 97470  
**Telephone:** 541-440-3353 x224  
**Telephone 2:** 541-580-5837  
**Fax:** 541-673-0372  
**Email:** Dan.H.Meyer@state.or.us

### Past Recommended or Completed Projects

Number	Name	Status
03-028	Rock Creek Fish Passage Project	Completed
09-290	Rock Creek Maintenance Bundle	Completed
11-149	RCH Old Raceway Fall Protection / Predator Control	Completed
11-147	Rock Creek Hatchery Entrance Road Repair	Approved

### Project Summary

This project is NOT part of ODFW's 25 Year Angling Plan.

**Activity Type:** Hatchery Maintenance - ODFW  
**Summary:** Rebuild 2 145'x20'x3' dilapidated raceways into 4 19'x70'x5' raceways. This is the first phase of a 3 phase renovation.  
**Objectives:** The objective is to renovate failing raceways.  
**Fishery Benefits:** There would be an improvement of renewing facilities used to rear fish for the sports fishing public, mainly rainbow trout and Umpqua steelhead. The capacity of the targeted raceways would increase roughly 35%. The targeted raceways are

utilized to rear 50% of the legal rainbow and Summer steelhead needed to stock in the Umpqua basin and Douglas County. Rock Creek Hatchery is responsible for 92% of the legal rainbow in the entire Douglas County and 100% of the Summer steelhead smolt plants for the North Umpqua river.

**Watershed Benefits:**

The project addresses hatchery fish environment by providing smoother concrete walls and floor enabling a more thorough cleaning. The rebuild design also increases the rearing capacity by 35% over the current raceways and 5.3% increase to the entire hatchery rearing capacity. There is a current need from fish propagation to rear more rainbow trout and a potential need to increase steelhead production. The OHRC is currently reviewing an imprinting study on young steelhead and may need to keep this group of fish in smaller segregated groups. Increasing raceway numbers will benefit this study and future studies alike.

**Current Situation:**

The raceways were built in the 1940's with washed river aggregate. The concrete has failed in many aspects. There are walls crumbling, floors with large cracks and exposed aggregate that is hard on nets and seines. There are numerous temporary patches and many have been repaired repetitively.

**Alternatives:**

None other than not pursuing renovation. Not doing anything has potential disease and production risks, safety risks, unpredictable catastrophic failure, and negative public perception we are not keeping our facilities in good working order.

**Designer:**

ODFW engineering.

**Methods:**

Engineer and design project. Put out for competitive bid on ORPIN. Award contract and complete project.

**Inspector:**

ODFW engineering.

**Funding Elements:**

Labor and material costs.

**Partners:**

Yes

**Existing Plan:**

ODFW will engineer. Umpqua Steelhead Enhancement Derby potentially will provide matching funds.

Yes

This is not only on the hatchery priority list, but is one of the current top maintenance priorities of Fish Propagation and Scott Patterson. This project would be part ODFW's 25 Year Angling Plan "ODFW must upgrade our hatchery infrastructure, use the best available science and adopt emerging technologies to ensure hatchery production can meet future demands."

**Affected Contacted:**

Yes

**Affected** Yes  
**Supportive:**  
**Affected**  
**Comments:** Umpqua Steelhead Enhancement Derby board members have been contacted about a 10% \$20,000 match with R&E and are in favor of the proposed project.

**Project Schedule/Participants/Funding**

Activity	Date	Participants
Engineer construction plans	8/2/2014	ODFW engineering
Post project on ORPIN	12/1/2014	ODFW Engineering/Fiscal
Award contract	1/1/2015	ODFW Engineering/Fiscal
Begin construction project	3/1/2015	Awarded contractor
Complete construction project	6/30/2015	Awarded contractor
Obtain permits	2/1/2015	Awarded contractor
Monitor construction	3/1/2015	ODFW engineering

**Affected Species:** Chinook Salmon  
Coho Salmon  
Rainbow Trout  
Steelhead

**Project Permits**

Name	Issued By	Secured?	Date Secured	Date Expected
construction permits	Douglas County	No	1/1/0001	1/1/2015

**Project Monitoring**

Organization	Address	Activity	Frequency
ODFW engineering	4034 Fairview Industrial Dr. Salem, OR 97302	Inspect construction	continuous

**Project Maintenance**

Organization	Address	Activity	Frequency
Rock Creek Hatchery	425 McCann Ln Idleyld Park, OR 97447	Pressure wash and cleaning	annually

**Project Match Funding**

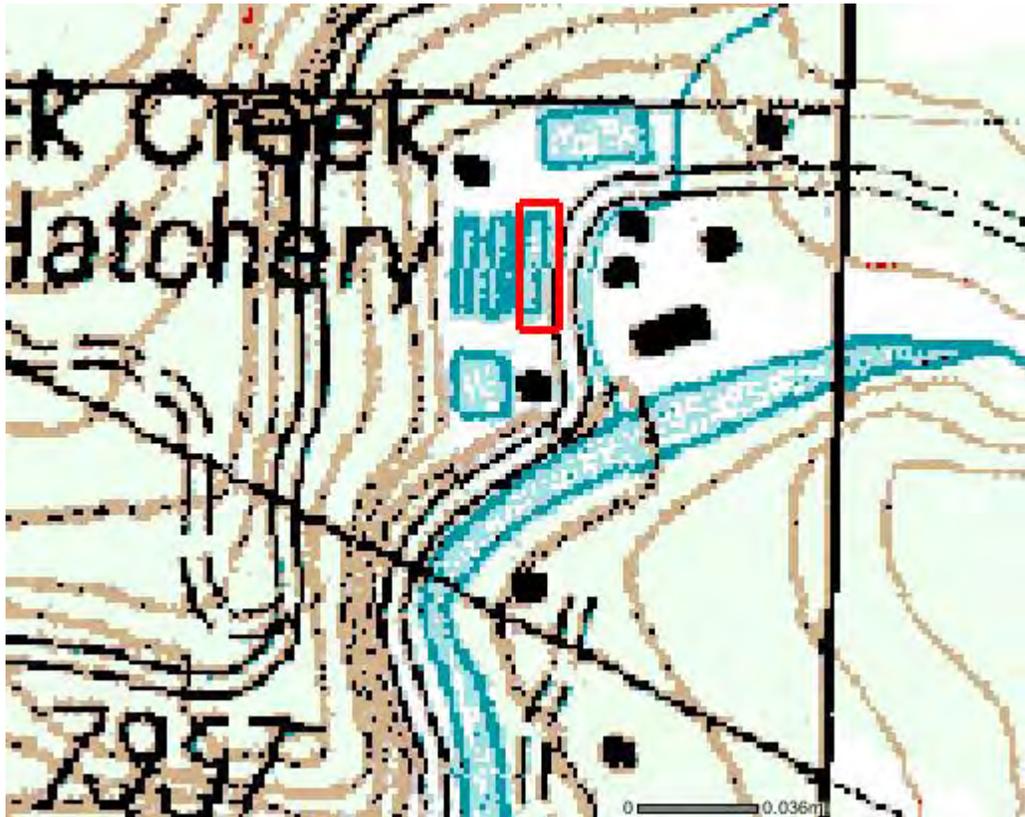
Funding Source	Cash	In-Kind	Other	Description	Total	Secured?	Conditions?	Comments
R&E Request	\$190,115.00	\$0.00	\$0.00		\$190,115.00	No	No	
Umpqua Enhancement Steelhead Derby	\$20,000.00	\$0.00	\$0.00		\$20,000.00	No	No	
ODFW engineering	\$0.00	\$10,000.00	\$0.00		\$10,000.00	Yes	Yes	
				Total Match Funding:	\$220,115.00			

## Project Budget

Item	Item Type	Units	Unit Cost	R&E Funds	Match Funds	Total
Design and engineering	Administration	1	\$10,000.00	\$0.00	\$10,000.00	\$10,000.00
6" concrete floor with rebar	Contracted Services	123	\$275.00	\$33,825.00	\$0.00	\$33,825.00
6" wall concrete w/ rebar	Contracted Services	65	\$750.00	\$28,750.00	\$20,000.00	\$48,750.00
alarm bypass panel	Contracted Services	1	\$6,000.00	\$6,000.00	\$0.00	\$6,000.00
alarm wiring	Contracted Services	1	\$6,000.00	\$6,000.00	\$0.00	\$6,000.00
demolition incl saw cutting	Contracted Services	1	\$7,500.00	\$7,500.00	\$0.00	\$7,500.00
drain piping	Contracted Services	1	\$20,000.00	\$20,000.00	\$0.00	\$20,000.00
expansion board installed	Contracted Services	2160	\$4.00	\$8,640.00	\$0.00	\$8,640.00
gaudrail and brackets	Contracted Services	325	\$60.00	\$19,500.00	\$0.00	\$19,500.00
header	Contracted Services	4	\$2,000.00	\$8,000.00	\$0.00	\$8,000.00
misc. metals	Contracted Services	1	\$6,500.00	\$6,500.00	\$0.00	\$6,500.00
moblization	Contracted Services	1	\$7,500.00	\$7,500.00	\$0.00	\$7,500.00
subgrade prep 3/4" minus	Contracted Services	1	\$4,500.00	\$4,500.00	\$0.00	\$4,500.00
supply line piping	Contracted Services	1	\$20,000.00	\$20,000.00	\$0.00	\$20,000.00
valves 4" butterfly cast iron	Contracted Services	16	\$500.00	\$8,000.00	\$0.00	\$8,000.00
water stop	Contracted Services	360	\$15.00	\$5,400.00	\$0.00	\$5,400.00
					Total Budget:	\$220,115.00

## ***Project Map***

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## ***Additional Files***

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Click a link to view that particular file.

[aerial photo](#)

[district support letter](#)

[Engineering estimate RCH pond repair](#)

[old raceways](#)

[old raceways 2](#)

[signature page](#)

Project Estimate (per pond)		Location: <b>Rock Creek Hatchery</b>			
		Prepared By: <b>JDF/RLM</b>			
		Date Prepared: <b>03/19/2014</b>			
Item	Units	Unit Price	Quantity	Price	
1	Mobilization	LS	\$7,500	1	\$7,500
2	Demolition incl sawcutting	LS	\$7,500	1	\$7,500
3	Subgrade Preparation 3/4" minus	LS	\$4,500	1	\$4,500
4	6" Concrete Floor With Rebar	CY	\$275	123	\$33,825
5	Expansion board installed	SF	\$4	2160	\$8,640
6	Waterstop	LF	\$15	360	\$5,400
7	Wall concrete with Rebar 6" wall	CY	\$750	65	\$48,750
8	Guardrail and brackets	LF	\$60.00	325	\$19,500
9	Alarm wiring	LS	\$6,000	1	\$6,000
10	Alarm by pass panel	LS	\$6,000	1	\$6,000
11	Drain Piping	LS	\$20,000	1	\$20,000
12	Supply line piping	LS	\$20,000	1	\$20,000
13	Valves 4" butterfly (Cast iron)	EA	\$500	16	\$8,000
14	Header	EA	\$2,000	4	\$8,000
16	Misc Metals	LS	\$6,500	1	\$6,500
17	<b>Engineering Costs</b>				
18	Mileage 388x.56 per trip	8			\$ 1,738.00
19	Per Diem \$125 per day	15			\$1,875
20					
21					
<b>Total</b>					213,728.00



# Oregon

John A. Kitzhaber, MD, Governor

## Department of Fish and Wildlife

Umpqua Watershed District Office  
4192 North Umpqua Highway  
Roseburg, OR 97470  
(541) 440-3353  
FAX (541) 673-0372

March 26, 2014

Dear R & E Board

The Umpqua Fish District strongly supports the improvements and increase in capacity at Rock Creek Hatchery. The raceways targeted for improvement will enhance the district's trout and summer steelhead production. Both of these fisheries are very popular in the basin and dependent on Rock Creek's hatchery program.

There is no stocking of hatchery rainbow trout in the Umpqua's streams. However, Rock Creek is invaluable for producing rainbows for all 13 of the districts major lakes and reservoirs. In addition to providing legal sized fish from March through June, the hatchery is working hard to provide as many "Labor Day Lunkers" as possible for a fall fishery. This lunker program has been exceptionally popular with anglers and could be expanded. Rock Creek also provides a native Fishwich strain of trout for 8 of our High Cascade Lakes. These fish are used as predacious fish at Diamond Lake and are being tested as a potential native replacement to brook trout at some of our other lakes.

The summer steelhead produced at Rock Creek provides an excellent summer fishery for the Umpqua. Only fin-clipped steelhead can be harvested in the Umpqua basin, so the hatchery fish provide an opportunity for anglers to catch and retain a steelhead. This program requires additional rearing space since the hatchery is producing both 1 and 2 year old smolts.

Any improvements to Rock Creek's raceways and capacity have a direct positive impact on angling opportunity in the Umpqua basin. Douglas County is very outdoors oriented, and fishing is one of the more popular activities and provides a positive impact to the local economy. According to the 2006 National Survey of Fishing, Hunting, and Wildlife Associated Recreation for Oregon, state residents (over 16) enjoy over 1.5 million days of steelhead fishing and 3 million days of trout fishing. The Umpqua is one of only two basins in the state that offer summer steelhead fishing. According to the same report, in 2006 anglers also spend \$497 million for fishing related expenses.

Again, the Umpqua Fish District is supportive of the improvements to Rock Creek. These improvement will help the hatchery reach and increase its current production. The fish produced are popular with anglers and provide a positive economic impact for Douglas County.

Laura Jackson  
District Fish Biologist  
Umpqua Watershed

**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: Rock Creek Hatchery Pond Repair  
Applicant Name: Dan Meyer Title: Manager  
Applicant Signature:  Date: 03/21/14

**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: John Thorpe Title: Hatchery Coordinator  
Manager Signature:  Date: 3/27/2014

9/17/2012





9/17/2012



ROCK CREEK HATCHERY - 1997