



# R & E Grant Application 09-11 Biennium

Project #:  
09-234

## *Big Creek Hatchery Valve Replacement*

### ***Project Information***

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**R&E Project Request:** \$4,500.00  
**Match Funding:** \$2,824.16  
**Total Project:** \$7,324.16  
**Start Date:** 10/1/2010  
**End Date:** 1/30/2011  
**Project Email:** chris.lauman@state.or.us  
**Project Biennium:** 09-11 Biennium  
**Organization:** ODFW - Big Creek Hatchery

### ***Applicant Information***

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**Name:** Chris Lauman  
**Address:** 92892 Ritter Rd  
Astoria, OR 97103  
**Telephone:** 971-673-6053  
**Fax:** 503-458-6529  
**Email:** chris.lauman@odfw.oregon.gov

### ***Past Recommended or Completed Projects***

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This applicant has no previous projects that match criteria.

### ***Project Summary***

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This project is part of ODFW's 25 Year Angling Plan.

**Activity Type:** Hatchery Maintenance - ODFW  
**Summary:** The hatchery has two 24" valves that supply Big Creek water to the raceways. Both valves are leaking, and one is leaking about 1000 GPM. During late summer, the hatchery completely dries up Big Creek between the intake structure and the hatchery (approximately ¼ of a mile of Big Creek). By recovering the lost water from the leaking valves ODFW may be able to keep some water flowing through that stretch of the creek all year round.

<b>Objectives:</b>	Project objectives are to replace malfunctioning valves and to restore habitat to the stretch of Big Creek between the hatchery and the intake.
<b>Fishery Benefits:</b>	The area between the hatchery and the intake is open to recreational fishing. By replacing the valves and recovering the lost water, ODFW would be presenting a fishing opportunity during late summer where usually there is not one.
<b>Watershed Benefits:</b>	By recovering the lost water, we will be assisting in any down stream migration that may occur in late summer.
<b>Current Situation:</b>	The hatchery has two 24" valves that supply Big Creek water to the raceways. Both valves are leaking, and one is leaking about 1000 GPM. During late summer, the hatchery completely dries up Big Creek between the intake structure and the hatchery (approximately ¼ of a mile of Big Creek). By recovering the lost water from the leaking valves ODFW may be able to keep some water flowing through that stretch of the creek all year round.

**Alternatives:** We considered having hatchery staff replace the valves, but we do not possess the proper equipment or expertise.

**Designer:** Contractor

**Methods:** Contractor will remove existing valves and replace with new valves.

**Inspector:** Rob Dietrichs

**Funding Elements:** Contractors bid for installation of the new valves.

**Partners:** No

**Existing Plan:** No

**Affected Contacted:** No

**Affected Supportive:** No

**Affected Comments:** Project will not affect individuals other than Big Creek Hatchery staff.

#### ***Project Schedule/Participants/Funding***

Activity	Date	Participants
Set up a tentative date to install with the contractor	9/1/2010	ODFW
Contact contractor to schedule the installation start date	10/1/2010	ODFW
Switch all fish at the hatchery over to Mill Creek and shut down Big Creek water to the hatchery.	11/1/2010	ODFW
Contractor removes existing valves and replaces them with the new valves	11/15/2010	Contractor
Big Creek water to hatchery is turned back on and valves are tested	11/18/2010	Contractor
file completion report	12/15/2010	ODFW

**Affected Species:**

- Chinook Salmon
- Chum Salmon
- Cutthroat Trout
- Steelhead

#### ***Project Permits***

This project has no permits.

#### ***Project Monitoring***

This project has no monitoring.

#### ***Project Maintenance***

This project has no maintenance plans.

### ***Project Match Funding***

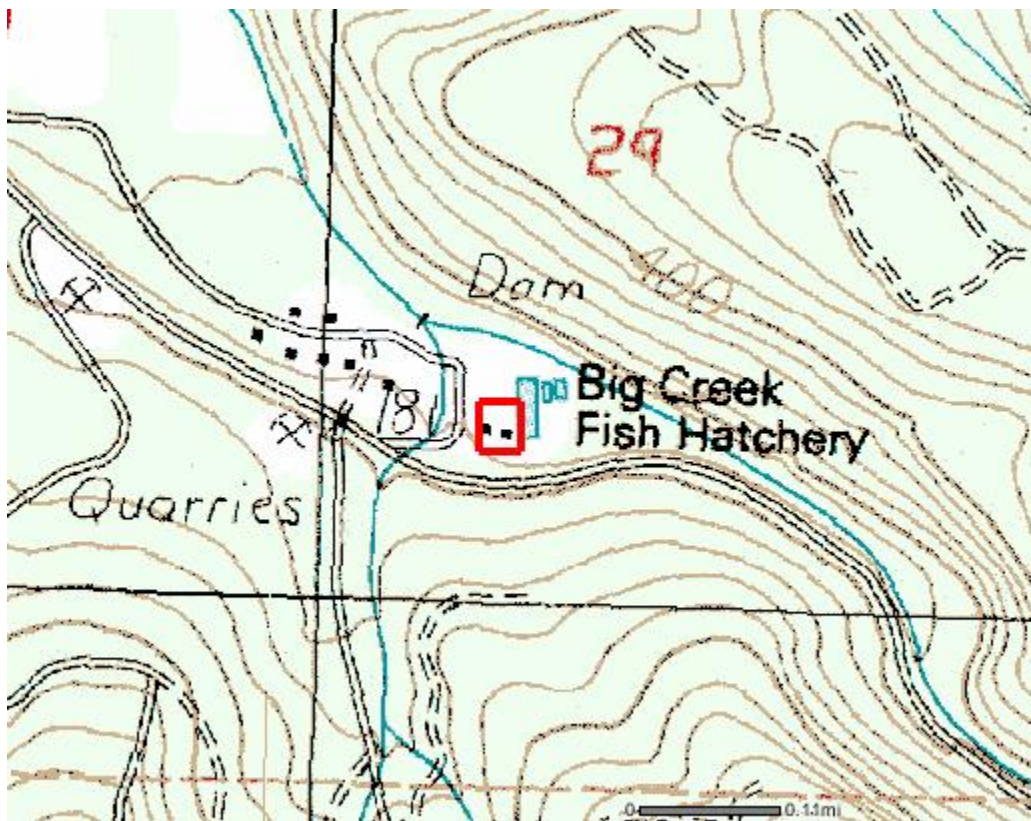
Funding Source	Cash	In-Kind	Other	Description	Total	Secured?	Conditions?	Comments
R&E Request	\$4,500.00	\$0.00	\$0.00		\$4,500.00	No	No	
ODFW staff in kind & equipment	\$0.00	\$2,824.00	\$0.00		\$2,824.00	Yes	No	
				Total Match Funding:	\$7,324.00			

### ***Project Budget***

Item	Item Type	Units	Unit Cost	R&E Funds	Match Funds	Total
Valve replacement	Contracted Services	1	\$4,500.00	\$4,500.00	\$0.00	\$4,500.00
24" water valves, 2	Equipment	2	\$1,334.00	\$0.00	\$2,668.00	\$2,668.00
Maintenance staff	Personnel	8	\$19.52	\$0.00	\$156.16	\$156.16
					Total Budget:	\$7,324.16

## Project Map

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## ***Additional Files***

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Click a link to view that particular file.

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