



R & E Grant Application 13 Biennium

Project #:
13-101

Alsea Hatch House Upgrade

Project Information

R&E Project Request: \$38,100.54
Match Funding: \$12,600.00
Total Project: \$50,700.54
Start Date: 1/1/2015
End Date: 6/30/2015
Project Email: eric.l.hammonds@state.or.us
Project Biennium: 13 Biennium
Organization: ODFW - Alsea Hatchery

Applicant Information

Name: Eric Hammonds
Address: 29050 Fish Hatchery Rd
Alsea, OR 97324
Telephone: 541-487-7240
Fax: 541-487-7248
Email: eric.l.hammonds@state.or.us

Past Recommended or Completed Projects

This applicant has no previous projects that match criteria.

Project Summary

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

Activity Type: Hatchery Maintenance - ODFW
Summary: This project will use R & E funds to upgrade the aging equipment in the Alsea Hatchery early rearing building, providing a better environment for early rearing necessary to meet hatchery production guidelines and better fish health.
Objectives: To make needed repairs and improvements to the hatchery's early rearing building by installing new incubation stacks and trays, construct new early rearing tank screens out of aluminum to replace current wood and mesh screens which are prone to rot, tearing and disease transmission. Purchase new solenoids for bar feeders, dissolved oxygen meter and welder. Welder will allow hatchery crew to make repairs to our existing bar feeders and construct the new tank screens. Have new effluent discharge pump installed to meet D.E.Q guidelines, this is a future objective of the project that is currently in redesign phase. No funding for

the pump is being requested at this time.

Fishery Benefits:

Alsea Hatchery currently raises 138,000 legal and 63,000 larger/trophy rainbow trout for lake stocking from Portland to Florence. 60,000 Alsea stock winter Steelhead and 80,000 Wild Alsea stock winter Steelhead for the Alsea Basin. Plus, 50,000 Wild Siletz Stock winter Steelhead for the Siletz river. This project will benefit the early rearing of all these recreational fisheries by helping the crew of Alsea Hatchery meet production goals while optimizing fish health. By investing in hatchery maintenance we can ensure this facility will continue to provide quality recreational fisheries.

Watershed Benefits:

There are several benefits to the watershed; the early rearing screens will prevent escapement from our early rearing tanks, the D.O meter will allow us to monitor water quality in and out of our facility, the future effluent pump will permit compliance with DEQ guidelines.

Current Situation:

The current incubation stacks in use at Alsea Hatchery were received second hand from another facility in 1995, and the actual age is unknown as the specific style of trays are no longer in production. The trays and egg basket trays are heavily worn, and each season present issues with trays that are cracked, delaminated, or damaged in a manner which prevents their use. The screens on the early rearing tanks are constructed with a wooden frame and poly vexar mesh. The wood only lasts a couple seasons before rot requires the frames to be re-built. There are also concerns with the water logged wood presenting disease issues when tanks must be used consecutively between different stocks of fish. The vexar mesh can be easily damaged when performing daily screen cleaning and when cleaning tanks, and damage cannot be easily detected with the screens submerged below the water. Any damage to the vexar screen can allow fish to escape the tanks and go down the effluent line which drains directly to the river. The effluent pump used to pump fish waste, sediment and treatment chemicals to our pollution abatement pond during times of cleaning or treating the tanks is improperly suited for our current application, and will only operate under specific flow conditions, i.e., multiple lines need to be flowing at a time, or the pump will trip a safety breaker and shut off. Without several personnel working the effluent lines at the same time, use of the pump is impossible, however, cleaning and treating tanks is most commonly performed by only one crew member at a time. The situation of the early rearing building at Alsea Hatchery has come about due to a combination of factors, including but not limited to; shrinking budgets, reliance on previously used equipment from other facilities, lack of equipment necessary to construct and maintain current operations, and the necessity of resourcefulness to adapt and make due with what we have available.

Alternatives:

The alternative is to continue operating with the current outdated and worn equipment, consider a partial completion of the project, or to spread the project out into phases to be addressed at a later time.

Designer:

This project has been designed and discussed by Matt Frank facility manager, Bruce Biederman Senior technician, Eric Martin hatchery technician and Eric

Hammonds hatchery technician and grant writer/presenter.

Methods: The hatchery crew could begin installation of new incubator stacks and trays immediately after arrival in March of 2015. There is a 5% contingency factored in for estimated delivery cost of incubation stacks. The next step would be to purchase a welder, aluminum stock and materials to begin repairing the aluminum bar feeders and construct test screening options for the early rearing tanks. Once a suitable screen design was found, additional materials, if any, would be purchased to complete construction of the remaining screens. All aspects of the project would be completed by June 30, 2015.

Inspector: Matt Frank

Funding Elements: The R&E funds will only be used to purchase the materials and equipment needed for the project. Alsea Hatchery will be supplying all the man power needed to install and construct the various components.

Partners: Yes

Alsea Sportsman's Association

Existing Plan: No

Affected Contacted: No

Affected Supportive: No

Project Schedule/Participants/Funding

Activity	Date	Participants
Purchase Incubation Stacks	3/6/2015	Eric
Purchase Dissolved Oxygen Meter	3/15/2015	Eric
Purchase and Weld Tank Screens	4/1/2015	Crew
Purchase Welder	3/15/2015	Eric

Affected Species: Rainbow Trout
Wild Broodstock Winter Steelhead
Winter Steelhead

Project Permits

This project has no permits.

Project Monitoring

This project has no monitoring.

Project Maintenance

Organization	Address	Activity	Frequency
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ODFW Alsea Fish Hatchery	29050 Fish Hatchery Rd Alsea, OR 97324	Project Maintenance	All aspects repairs and maintenance of this project will be conducted by facility staff on a as needed basis.
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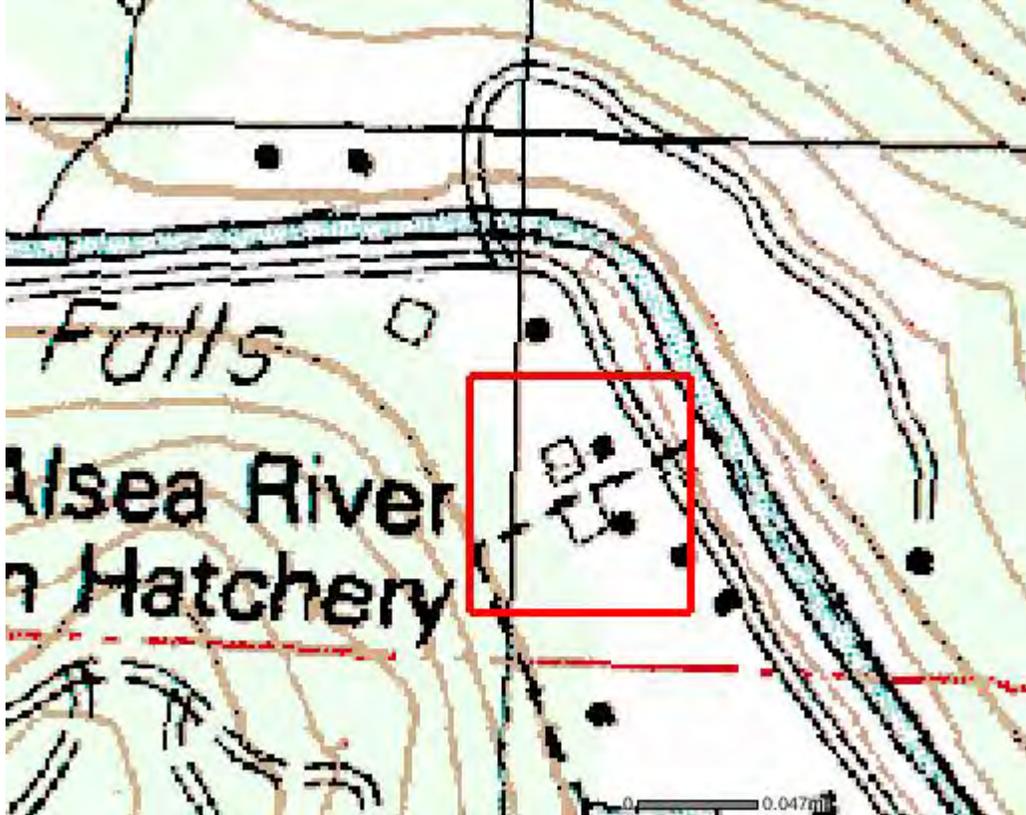
Project Match Funding

Funding Source	Cash	In-Kind	Other	Description	Total	Secured?	Conditions?	Comments
R&E Request	\$38,100.54	\$0.00	\$0.00		\$38,100.54	No	No	
ODFW In-Kind	\$0.00	\$12,600.00	\$0.00		\$12,600.00	No	No	
				Total Match Funding:	\$50,700.54			

Project Budget

Item	Item Type	Units	Unit Cost	R&E Funds	Match Funds	Total
5% contingency/delivery Incubation Stacks	Equipment	1	\$1,386.00	\$1,386.00	\$0.00	\$1,386.00
Dissolved Oxygen Meter with Probe	Equipment	1	\$1,000.00	\$1,000.00	\$0.00	\$1,000.00
Incubation stacks/isolation trays/replacement tray	Equipment	1	\$31,527.00	\$26,727.00	\$4,800.00	\$31,527.00
Replacement Solenoids for Bar Feeders	Equipment	20	\$91.50	\$1,230.00	\$600.00	\$1,830.00
Welder and equipment	Equipment	1	\$4,037.54	\$4,037.54	\$0.00	\$4,037.54
Screen Frame Materials	Supplies/Materials /Services	1	\$10,920.00	\$3,720.00	\$7,200.00	\$10,920.00
					Total Budget:	\$50,700.54

Project Map



Additional Files

Click a link to view that particular file.

[Broken Feeder](#)

[Broken Feeders](#)

[Broken Incubation Trays](#)

[Early Rearing Tank Screens](#)

[Early Rearing Tank Screens](#)

[Old Incubation Stacks](#)

[Patched Fly Screen](#)

[Patched Fly Screen](#)

















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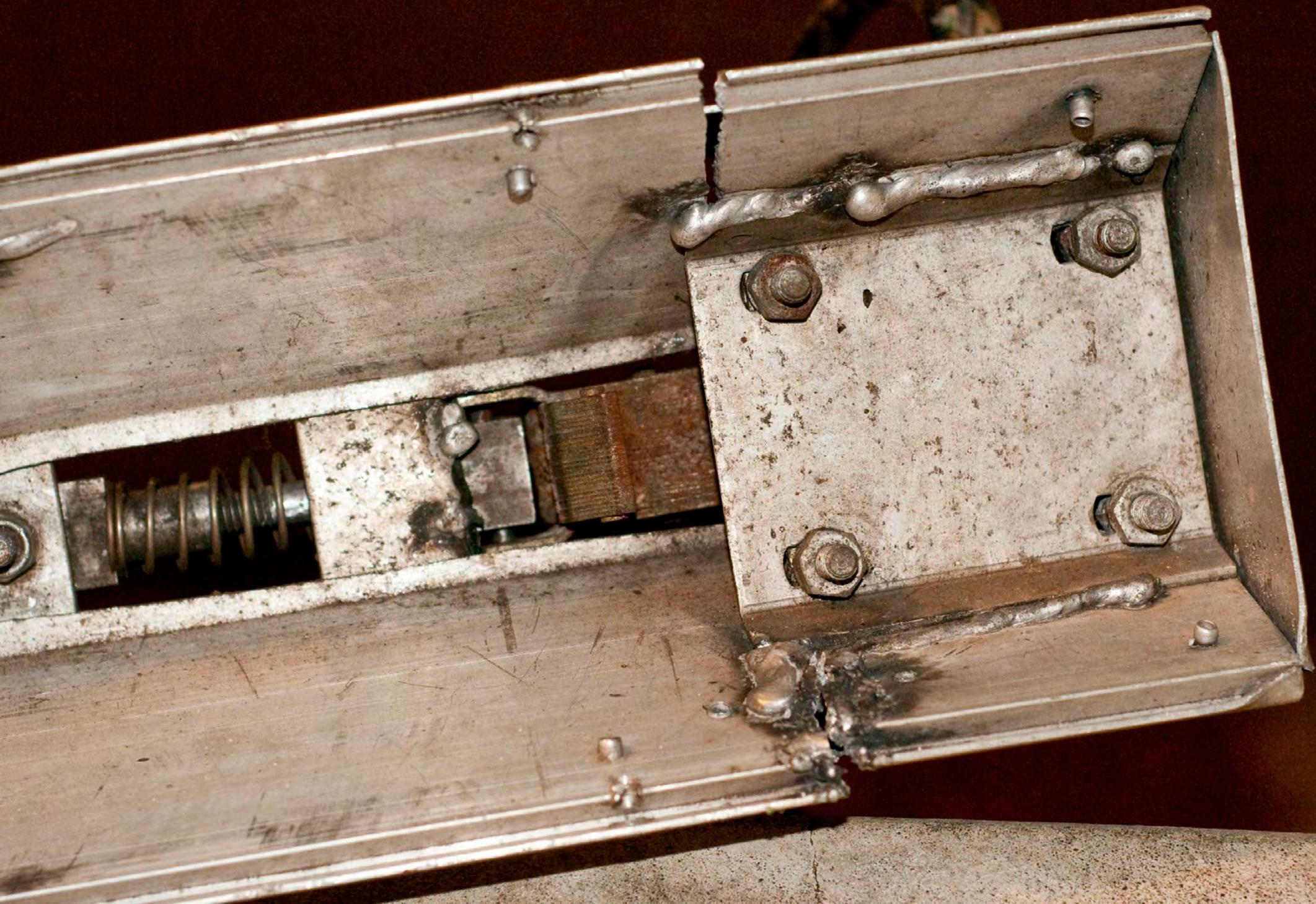
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Applicant Signature Page
Fish Restoration and Enhancement Program
(Oregon Department of Fish and Wildlife Applicants)

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: Alesea Hatch House Upgrade

Applicant Name: Eric Hammonds Title: Hatchery Technician

Applicant Signature:  Date: 11/10/14

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.

Manager Name: Scott D. Peterson Title: Fish Division

Manager Signature:  Date: 11/10/2014