



R & E Grant Application 15 Biennium

Project #:
15-003

Jim Hunt Bar Rest'n 2015

Project Information

R&E Project Request: \$16,603.00
Match Funding: \$12,636.00
Total Project: \$29,239.00
Start Date: 7/1/2015
End Date: 9/30/2016
Project Email: kelly.sparks@currywatersheds.org
Project Biennium: 15 Biennium
Organization: Lower Rogue Watershed Council/Curry SWCD

Fiscal Officer

Name: Liesl Coleman
Address: PO BOX 666
Gold Beach , OR 97444
Telephone: 541-247-2755 x0#
Fax: 541-247-0408
Email: liesl.coleman@currywatersheds.org

Applicant Information

Name: Kelly Timchak
Address: kelly.sparks@currywatersheds.org
info@currywatersheds.org
Gold Beach, OR 97444
Telephone: 541-247-2755 x4#
Telephone 2: 541-247-2755
Fax: 541-247-0408
Email: kelly.sparks@currywatersheds.org

Past Recommended or Completed Projects

Number	Name	Status
11-128	Indian Creek Interpretive Site	Completed

Project Summary

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

Activity Type: Miscellaneous (Restoration)
Summary: The project consists of replacing an existing fish barrier culvert with a concrete

bridge on an access road to a gravel bar on the Rogue River. The crossing will not only improve access to a popular bank angling location, but will be a fisheries benefit by spanning the stream valley and opening it up to its natural bank width to be passable for fish and other aquatic organisms. The improved crossing will also allow access to an existing pond, which can be used as important juvenile rearing habitat. Additionally, large wood will be placed at specified locations to treat small headcuts, and intermittently throughout the channel to increase stream complexity.

Objectives: Our objectives include improving angler access on a popular gravel bar, reducing sediment inputs, restoring stream morphology, enhancing instream complexity, and restoring juvenile fish passage to off-channel rearing habitat.

Fishery Benefits: The project will enhance overwintering habitat by:

1. Enhancing instream habitat through the addition of large wood and restoration of the stream channel morphology
2. Improving water quality by eliminating chronic sediment delivery
3. Restoring juvenile fish passage into 0.5 existing acres of off-channel ponds

This habitat will benefit juvenile salmonids, especially coho salmon that need winter refugia from the mainstem Rogue River channel.

**Watershed
Benefits:**

This project addresses limiting factors in the Rogue River; such as water quality, sediment input, large wood, stream complexity, and off-channel habitat, which has been identified as crucial for juvenile coho, and there are even fewer locations where the habitat can be restored. In the Lower Rogue Watershed Assessment (2006), large wood and stream complexity are listed as top limiting factors for this area.

Current Situation:

There is currently an 18" round culvert installed in the crossing of an access road to Jim Hunt Gravel Bar. This fish barrier culvert is crushed on the outlet side and exposed through the road on the inlet side. The crossing is on an unnamed tributary to the Rogue River and is often overwhelmed with flow in the winter, causing the stream to divert down the road. This failing culvert and heavy traffic from bank angling are both adding unnecessary sediment to the Lower Rogue, as well as limited access for anglers during high water events. The current stream channel is overly simplified; lacking large wood, stream complexity, and a healthy riparian area. Currently, there is no connection between the existing pond and the Rogue River itself. With this culvert removal the much needed connection to high quality off-channel winter habitat would be restored.

Alternatives:

One option for this site was to do nothing, and let the water over-top the access road until the culvert fails permanently, at which point the access road would be abandoned, or reconstructed; potentially with a fish passable structure. Another option would be to replace the existing culvert with a fish passage culvert, which would need to be much larger to adhere to fish passage rules. Due to the increased culvert size this option would require the road profile to be built up by four feet or more, which in turn would require significantly more material, excavation and disturbance of the area.

Designer:

The Curry Soil & Water Conservation District staff will be in charge of the design, with technical review from an ODFW Fisheries Biologist. Our staff has over 30 yrs of experience designing, implementing and monitoring watershed restoration projects.

Methods:

The project consists of replacing an existing 18" diameter corrugated metal pipe culvert on an ephemeral tributary with three, load-bearing concrete bridge slabs. The slabs are 15" thick, 4' wide, and 28' long, and were previously used by the Oregon Department of Transportation (enforced and weight load tested to H25). The crossing will span the stream valley to open it up to its natural bank width, and will be passable for fish and other aquatic organisms. Material excavated from the stream crossing during removal of the culvert shall be used as road fill to bring the road surface up to grade, if it meets the requirements: well graded non-cohesive, coarse gravel rock mix with a maximum particle size of 3". Road surface will be ¾" minus clean rock. The entire fill will be placed will be outside of the ordinary high water mark, on the road surface. Large wood will placed at one upstream site, two downstream locations with small headcuts, and intermittently throughout the channel and floodplain to increase complexity. The Department of State Land's reference guide states that it is beneficial to the stream and riparian environment if wood is not just placed in stream but rather in both the stream and on the floodplain along the stream. This addition of wood can improve the habitat of multiple-fish and wildlife species, provide refuge habitat during extreme high flows, provide future wood recruitment, and reduce the chances of avulsion or sudden channel shifts following wood placement in the stream. For stability in the stream channel, at least two logs (at

each placement) will be twice the active channel since they do not have the root wads attached to meet the tree diameter criteria in the guidelines (Guide to Placement of Wood, Boulders and Gravel for Habitat Restoration, DSL 2010). No water will be present in the channel at the time of construction; however we will have equipment in place in case of rain; such as hay bales, pumps, and erosion control. The contractor will be required to implement and maintain prescribed erosion control plans during and post-construction. Upon completion of demobilization activities, the Contractor shall perform site restoration including scarifying areas and routes compacted through heavy travel and seeding all disturbed areas.

There is also a riparian component to this project, covered by the Oregon Watershed Enhancement Board (OWEB), which focuses on invasive weed removal and native planting. The OWEB grant also includes some money to place large wood throughout the stream, which is complimented even further by this R&E grant request. Two acres of blackberries have already been removed, and we will continue to work on the canary reed grass and vinca vine over the next two summers. This winter, we will plant 190 native trees and shrubs in the area to bring back a natural floodplain habitat component. The trees and shrubs will be maintained for two years, with maintenance resumed by the landowner and the Lower Rogue Watershed Council volunteers in the future.

Inspector: Completed work will be surveyed by Curry Soil & Water Conservation District staff to ensure the final product meets design specifications, and approved by the ODFW Assistant District Fisheries Biologist.

Funding Elements: Three concrete bridge slabs and delivery costs; equipment mobilization costs for moving large wood to site; rock aggregate for road fill and road surface; construction labor costs; and staff time (see below for details).

Lower Rogue Watershed Coordinator – project design, project management, and oversight of project implementation. The only portion of Project Management funds requested through R&E are what was not secured through other grants.

Requested R&E funds will be used for request for proposal (RFP) preparation, site tours with contractors, legal contract preparation, supervising volunteer crews, and grant reporting (\$464 total - 16 hours at \$29/hour).

Technology & Data Management Coordinator – survey of project site, digitize drawings for project design, some oversight during implementation, and completion of the as-built survey (\$640 total - 20 hours at \$32/hour).

Effectiveness Monitoring Coordinator (independent contractor)– technical assistance with project design (high level of experience), and monitoring effectiveness of project.

Partners: Yes

Port of Gold Beach - landowner, donation of any removed trees for instream use
USDA Forest Service - donating 12 large diameter trees for large wood placement and cut, haul, and mobilization costs for those trees to be delivered to Gold Beach (not directly to site location)
Oregon Watershed Enhancement Board - providing matching grant towards the removal of invasive weeds, planting of native trees/shrubs, and maintenance of those trees for 2 years
Lower Rogue Watershed Council - donating volunteer and Coordinator time

Existing Plan: Yes

The Lower Rogue Watershed Council's Action Plan 2013-2015 listed this project as a restoration priority, as well as increasing access to off-channel habitat in the Lower Rogue when possible.

Affected Contacted: Yes

Affected Supportive: Yes

Affected Comments: The Port of Gold Beach (landowner) is fully on board. We presented the project at a public meeting and have acquired all signatures already. After speaking with the Southwest District Fisheries Biologist, he also felt it was a good project due to the fact that it was directly addressing limiting factors for the Rogue River, while also improving access to an important bank angling location.

Project Schedule/Participants/Funding

Activity	Date	Participants
Stream monitoring (flow, turbidity, etc.), fish presence/absence surveys- time donated by ODFW	3/2/2015	Project Manager, ODFW
Measure and mark logs for wood placement	5/18/2015	Project Manager
Coordinate mobilization of logs to project site	7/30/2015	Project Manager
Prepare Scope of Work and Request for Proposals	7/6/2015	Project Manager
Organize site visit and select Contractor	7/15/2015	Project Manager
Removal of culvert	8/17/2015	Contractor
Coordination and delivery of concrete slab bridge	8/17/2015	Contracted Services, Project Manager
Complete bridge placement and road surface work	8/18/2015	Contractor
Add large wood to stream	8/19/2015	Contractor
Complete site restoration; including scarifying compacted areas and seeding with grass	8/20/2015	Contractor

Affected Species: Coho Salmon
Cutthroat
Steelhead

Project Permits

This project has no permits.

Project Monitoring

Organization	Address	Activity	Frequency
Lower Rogue Watershed Council	PO BOX 666 Gold Beach, OR 97444	fish presence/absence with ODFW, monitor log placements	1x a year, for 3 years

Project Maintenance

Organization	Address	Activity	Frequency
Port Of Gold Beach	PO BOX 1126 Gold Beach, OR 97444	maintain road access	1x per year

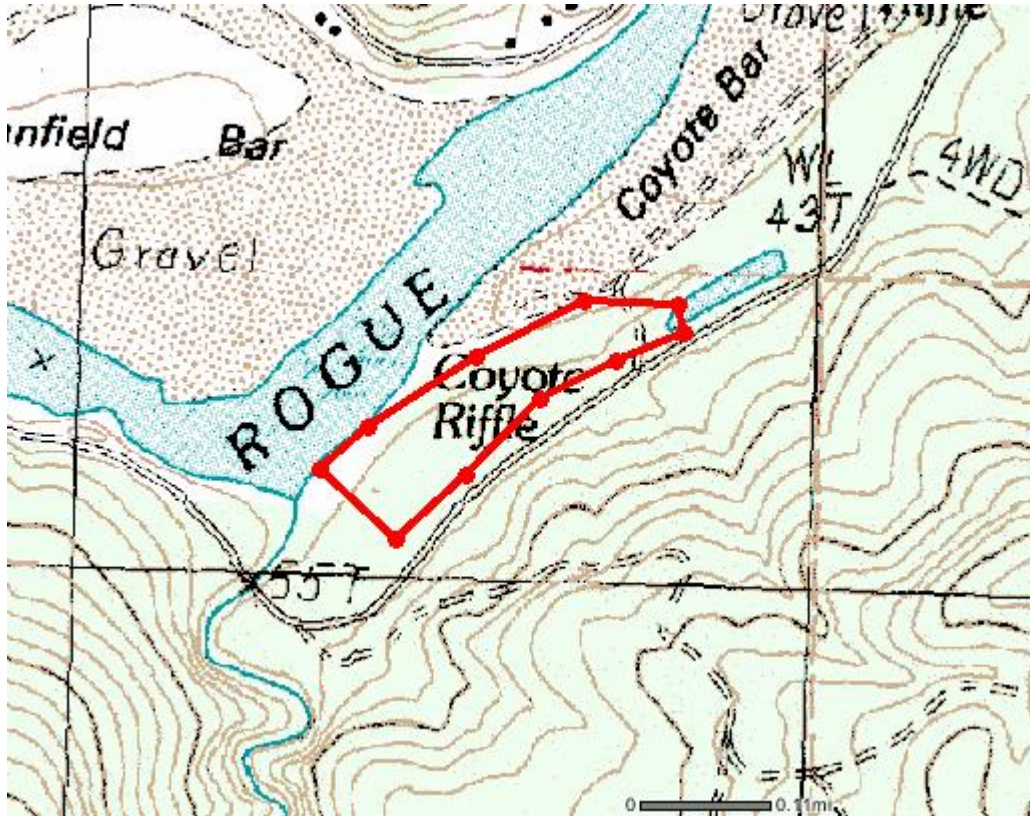
Project Match Funding

Funding Source	Cash	In-Kind	Other	Description	Total	Secured?	Conditions?	Comments
R&E Request	\$16,603.00	\$8,436.00	\$4,200.00		\$29,239.00	Yes	No	
				Total Match Funding:	\$29,239.00			

Project Budget

Item	Item Type	Units	Unit Cost	R&E Funds	Match Funds	Total
Fiscal Administration	Administration	1	\$1,509.00	\$1,509.00	\$0.00	\$1,509.00
Contractor labor to do project	Contracted Services	32	\$60.00	\$1,920.00	\$0.00	\$1,920.00
Contractor to haul logs to site	Contracted Services	6	\$100.00	\$600.00	\$0.00	\$600.00
Delivery of concrete bridge slabs	Contracted Services	2	\$1,200.00	\$2,400.00	\$0.00	\$2,400.00
Prewash equipment before arrival	Contracted Services	4	\$40.00	\$160.00	\$0.00	\$160.00
USDA FS Mobilization- Drive-in Equipment	Contracted Services	1	\$450.00	\$0.00	\$450.00	\$450.00
USDA FS Mobilization- Excavator	Contracted Services	1	\$950.00	\$0.00	\$950.00	\$950.00
USDA FS Pulling over trees/snags with rootwads att	Contracted Services	12	\$475.00	\$0.00	\$5,700.00	\$5,700.00
Volunteer Crew to project site of weeds, replant	Contracted Services	40	\$21.00	\$0.00	\$840.00	\$840.00
Curry SWCD RTV to remove weeds	Equipment	16	\$15.00	\$0.00	\$240.00	\$240.00
Drum Compactor	Equipment	4	\$75.00	\$300.00	\$0.00	\$300.00
Dumptruck	Equipment	4	\$80.00	\$320.00	\$0.00	\$320.00
Excavator (200 series) with thumb	Equipment	16	\$155.00	\$2,480.00	\$0.00	\$2,480.00
Lowboy to haul excavator	Equipment	6	\$85.00	\$510.00	\$0.00	\$510.00
Medium excavator to place addtnl' logs, mow weeds	Equipment	14	\$125.00	\$0.00	\$1,750.00	\$1,750.00
GIS and Technical Advice, Surveys	Personnel	28	\$32.00	\$640.00	\$256.00	\$896.00
Project Design Assistance	Personnel	10	\$40.00	\$200.00	\$200.00	\$400.00
Project Management	Personnel	41	\$29.00	\$464.00	\$725.00	\$1,189.00
Concrete slabs	Supplies/Materials /Services	3	\$950.00	\$2,850.00	\$0.00	\$2,850.00
Crushed rock (delivered)	Supplies/Materials /Services	60	\$30.00	\$1,800.00	\$0.00	\$1,800.00
Native tree species to be planted & staked	Supplies/Materials /Services	190	\$4.50	\$0.00	\$855.00	\$855.00
USDA FS whole trees	Supplies/Materials /Services	12	\$50.00	\$0.00	\$600.00	\$600.00
Equipment mobilization	Travel	1	\$450.00	\$450.00	\$0.00	\$450.00
Travel to Project Location	Travel	125	\$0.56	\$0.00	\$70.00	\$70.00
					Total Budget:	\$29,239.00

Project Map



Additional Files

Click a link to view that particular file.

[Design Planview](#)

[Design Profile](#)



[Governmental Authorization Page](#)

[Letter of Support](#)

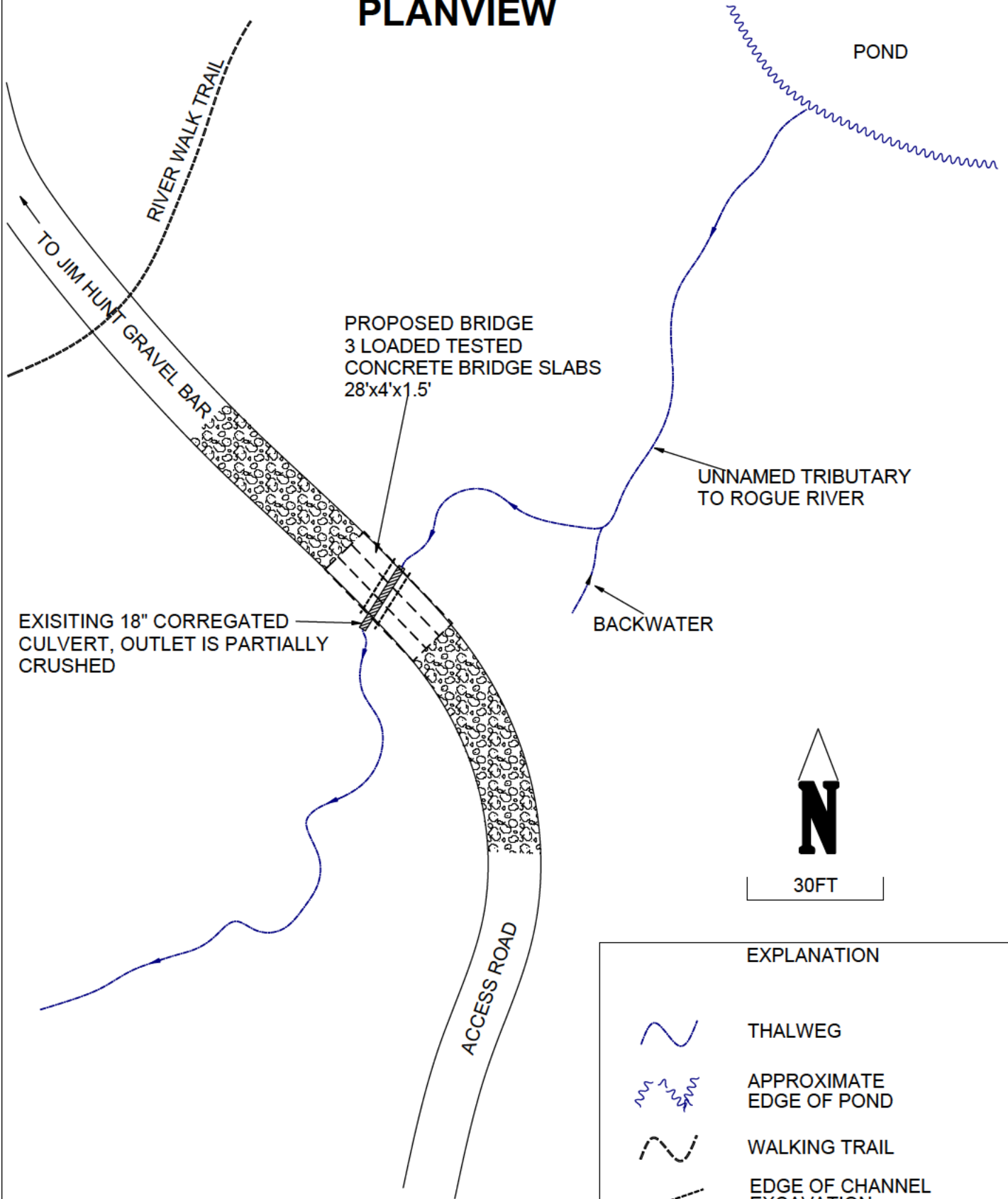
[Project Schedule](#)

[Project Site Map](#)

Activity	Activity Date	Participant	Calendar Activity	
			2015	2016
Fish presence/absence surveys- time donated by ODFW	Monday February 16, 2015	ODFW, Project Manager (PM)		
Stream monitoring (flow, turbidity, etc.) - time donated by another grant for Project Manager	Monday, March 02, 2015	Project Manager, ODFW	Jan	
Measure and mark logs for wood placement - time donated by another grant for Project Manager	Monday, May 18, 2015	Project Manager	Feb	
Prepare Scope of Work and Request for Proposals	Wednesday, July 01, 2015	Project Manager	Mar	
Organize site visit and select Contractor	Wednesday, July 15, 2015	Project Manager	Apr	
Coordinate mobilization of logs to project site	Thursday, July 30, 2015	Project Manager	May	
Removal of culvert	Monday, August 17, 2015	Contractor	Jun	
Coordination and delivery of concrete slab bridge	Monday, August 17, 2015	Contracted Services, Project Manager	Jul	
Complete bridge placement and road surface work	Tuesday, August 18, 2015	Contractor, PM, Effectiveness Monitoring Coordinator	Aug	
Add large wood to stream	Wednesday, August 19, 2015	Contractor, PM, Effectiveness Monitoring Coordinator	Sep	
Complete site restoration; including scarifying compacted areas and seeding with grass	Thursday, August 20, 2015	Contractor	Oct	
Stream monitoring (flow, turbidity, etc.)	Monday, November 17, 2015	PM, Technology & Data Management Coordinator	Nov	
Monitor large wood placements, stream monitoring (flow, turbidity, etc.)	Monday, January 19, 2016	PM, Effectiveness Monitoring Coordinator	Dec	
Fish presence/absence surveys- time donated by ODFW	Monday, February 09, 2016	ODFW, Project Manager		
Monitor large wood placements	Monday, June 15, 2016	PM, Effectiveness Monitoring Coordinator		
Complete final site survey and as built design document	Monday, July 20, 2016	PM, Technology & Data Management Coordinator		
Complete final report and all granting requirements for R&E Program	Tuesday, September 1, 2016	Project Manager		

 Activities covered by R&E grant
 Activities covered by separate grant

JIM HUNT REST'N 2015 PLANVIEW



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EXPLANATION



THALWEG



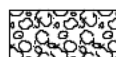
APPROXIMATE
EDGE OF POND



WALKING TRAIL



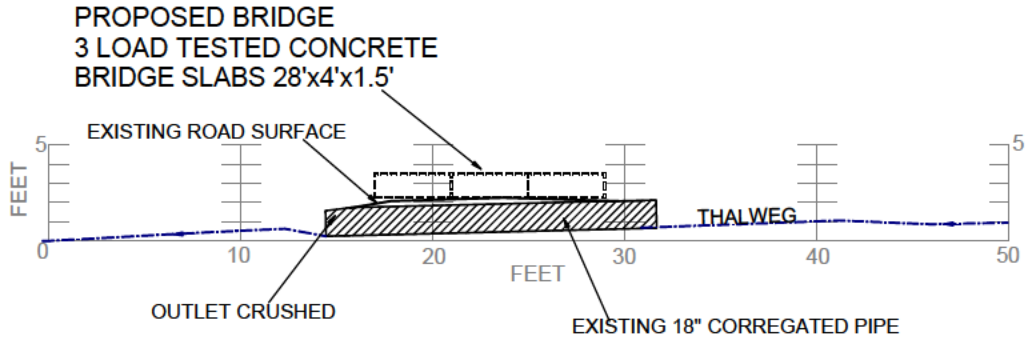
EDGE OF CHANNEL
EXCAVATION



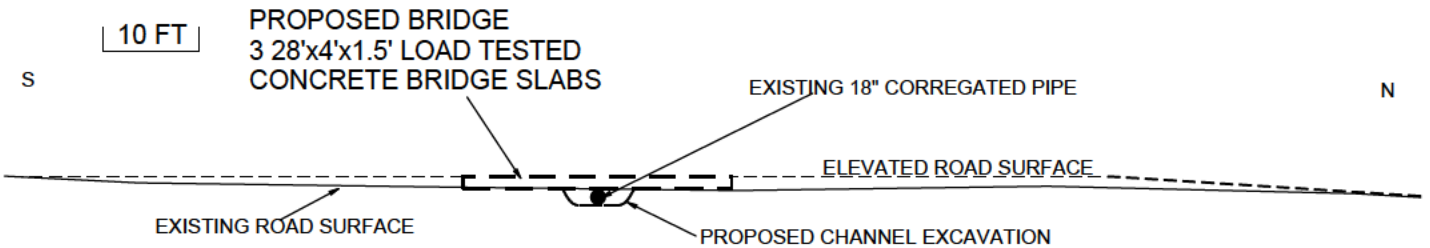
PORTION OF ROAD
TO BE ELEVATED

JIM HUNT REST'N 2015 UNNAMED TRIBUTARY

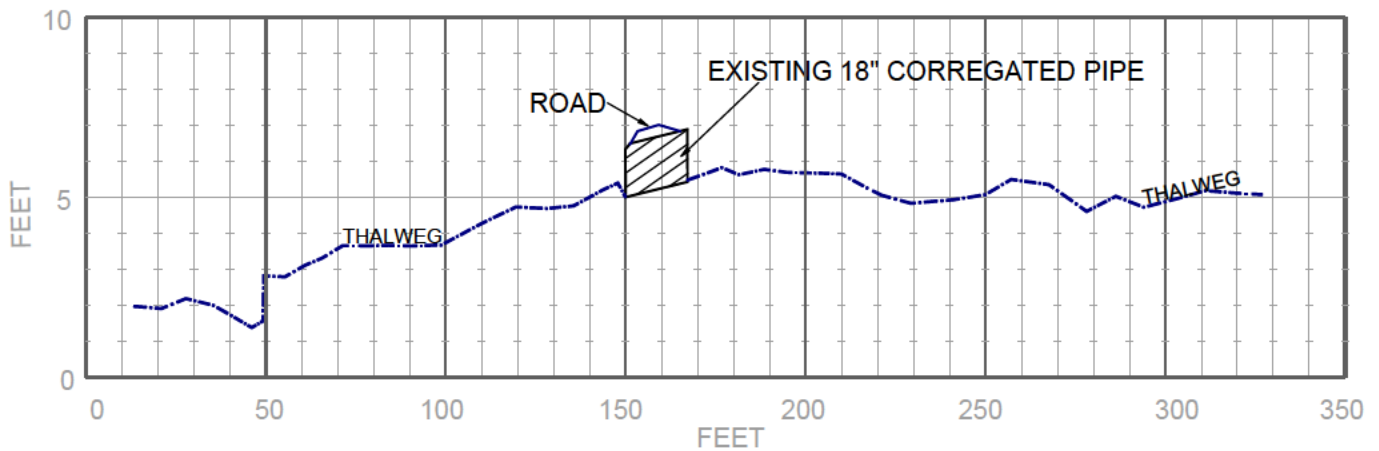
CROSSING PROFILE



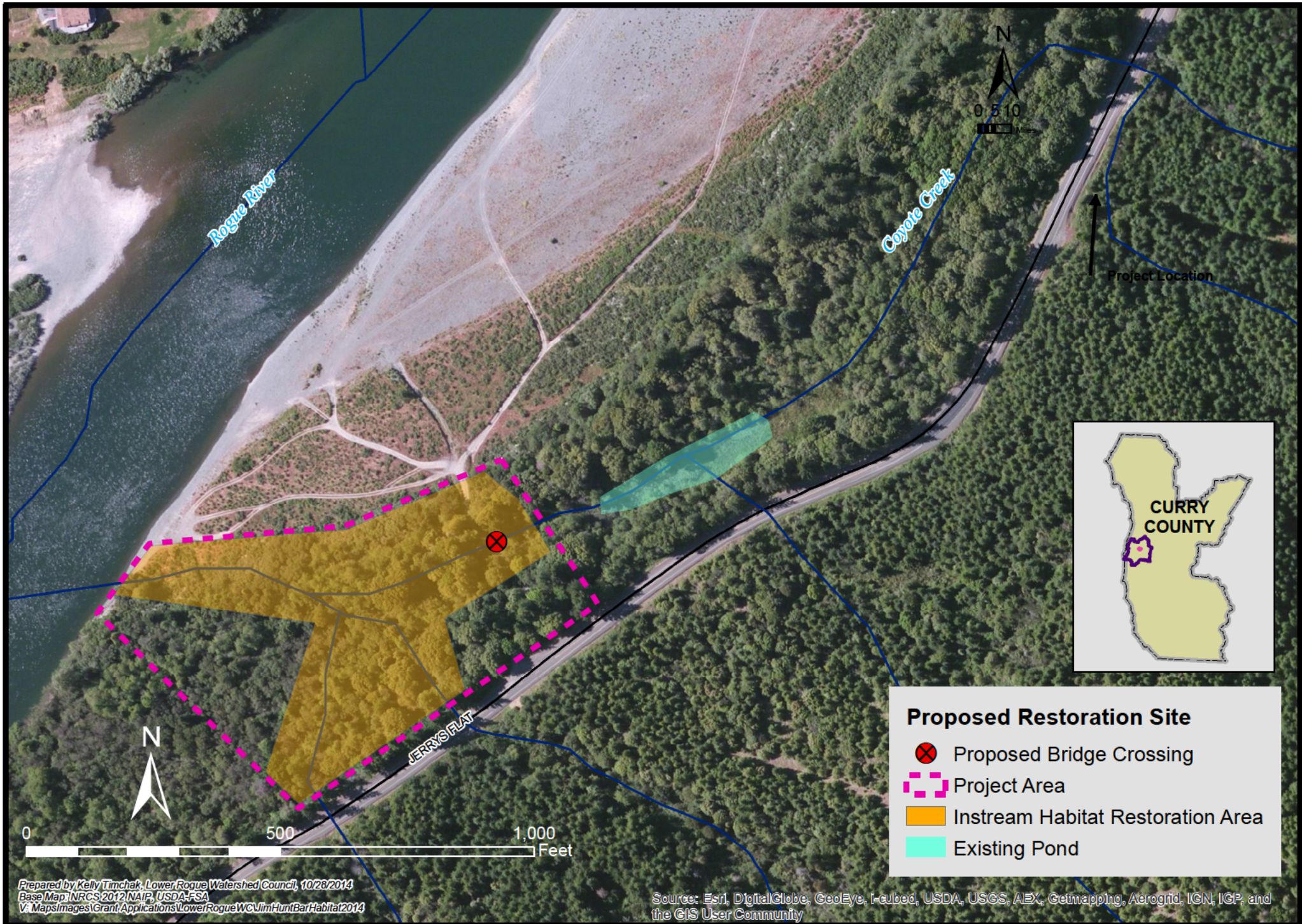
ROAD PROFILE AND CROSSING CROSS SECTION



THALWEG PROFILE 10X VERTICAL EXAGGERATION



JIM HUNT BAR HABITAT 2015





Oregon

John A. Kitzhaber, M.D., Governor

Department of Fish and Wildlife

Gold Beach District Office

29907 Airport Way

PO Box 642

Gold Beach, OR 97444

(541) 247-7605

FAX (541) 247-2321



October 31, 2014

Kelly Timchak
POB 666
Gold Beach, OR 97444

RE: Jim Hunt Bar Rest'n 2015

Dear Ms Timchak,

The Oregon Department of Fish and Wildlife (ODFW) South Coast District has reviewed your R&E grant to improve fish passage and habitat complexity for an Unnamed Tributary to the Rogue. ODFW South Coast District has been involved in developing this project and fully supports your proposal.

The ODFW South Coast District has reviewed your preliminary fish passage design and feels this project meets fish passage criteria. If the project is funded, final fish passage design should be vetted through the ODFW South Coast District.

ODFW will be available to provide in-kind support in the form of technical assistance, fish presence, and fish salvage.

Sincerely,


Steven Mazur

Assistant District Fish Biologist



Signature Authorization Page

I hereby make an application for financial assistance under the terms and conditions of the R&E Program as described in my project application.

I understand that if my project is approved for funding, the following will apply:

- All project sponsors must sign a grant agreement containing the terms and conditions on which funding will be released.
- Project expenses which occur before the grant agreement is signed or after the expiration date will not be paid by the R&E Program.
- Copies of all necessary permits must be submitted to the R&E Program.
- Project sponsors must certify compliance with local, state, and federal regulations and laws.
- Landowner, monitoring and maintenance agreements must be submitted to the R&E Program.
- Regular progress reports may be required, and at the end of each project a Completion Report must be submitted.
- Educational products resulting from projects are public domain.
- All information submitted to either party under this application is subject to the federal Freedom of Information Act.

Project Title: Jim Hunt Rest'n 2015

Applicant: Lower Rogue Watershed Council

Date: 10/28/14

Fiscal Officer:



Date: 10/20/14