

**Project Manager Report Review Protocol  
Post-Implementation Status, Interim Progress, and Quarterly Reports**

Received By  
OWEB

**Purpose of Reports-** Document public dollar investment to protect and restore healthy watersheds and natural habitats that support thriving communities and strong economies.

MAR 23 2016

Date of Report 3/23/2016 Grant No. 212-2064 Report #2 Project Manager Mark

Type:  Progress/Quarterly  PISR  Other:

CHECK LIST	If No, Explain
1. Review Special Conditions (Exhibit B) to identify additional or different reporting requirements. Did Grantee meet these requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Progress report indicates grantee will not be able to meet project objectives described in grant application (e.g. landowner no longer allowing access). <input type="checkbox"/> Other: Explain:
2. Review PISR requirements (Exhibit D). Did Grantee fulfill these requirements? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> PISR does not provide sufficient documentation to determine status of OWEB investment. <input type="checkbox"/> Other: Explain:
3. Photos: Did Grantee fulfill the requirements for photo point monitoring described in the grant agreement (i.e. before and after photos located at consistent photo points and includes a current photo)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Photo points do not include all major project components. <input type="checkbox"/> Photo points do not include project locations on each landowner site. <input type="checkbox"/> Grantee is unable to locate photo point(s). <input type="checkbox"/> Grantee is unable to access photo point (e.g. not safe or no landowner approval). <input type="checkbox"/> Other: Explain:
4. Other requirement:	Explain:

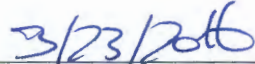
**REPORT APPROVAL**

Progress report demonstrates a trajectory for success in meeting project objectives. If not, report sufficiently indicates Grantee is taking action to increase likelihood for project success.

PISR sufficiently describes project status to determine OWEB investment is in place and functioning as intended. If not, report sufficiently documents why to inform future OWEB decisions.

Justification if needed (briefly explain how you resolved issues documented in the checklist table and/or attach relevant communications):

Report Approved By:  Project Manager Signature

  
Date

If you are unable to complete this form and sign for report approval, meet with a Program Manager to determine how to move forward.



# Partnership for the Umpqua Rivers



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## Weatherly Creek Instream Restoration

OWEB Project # 212-2064-9341

Project Monitoring Report – Year Two

Exhibit D



Prepared By  
Partnership for the Umpqua Rivers  
February 24, 2016

*Remit Approved*  
*[Signature]* 3/23/2016



## **Background**

Weatherly Creek, like Waggoner Creek and many streams in the Lower Umpqua Basin, underwent changes in the last century to the detriment of native fish. Splash-damming and stream cleaning resulted in a loss of LWD and boulders in the channel. Fires and streamside logging also took their toll, and as a result Weatherly Creek is bedrock dominated and has little of the habitat diversity required for successfully producing salmonids. The goal of this project was to place large wood and boulders in mainstem camp and thus enhance spawning, rearing and overwintering habitat for native fish.

## **Project Description**

Work began on this project in mid-July 2012, and was completed September 7, 2012. We placed, with an excavator, 1390 boulders, 120 cubic yards of gravel, 93 50' logs with rootwads, 16 50' logs without rootwads, and 15 40' logs throughout 37 sites. Of these sites, eight were boulder-only and consisted of weirs with jump pools and roughening to allow for fish passage. The 6 lower weirs were supplemented with 20 cubic yards of gravel to help jumpstart the sealing process. All logs were keyed into riparian trees and gaps in between the logs were filled in with boulders. With the completion of this project, the entire Weatherly Creek watershed that is accessible to an excavator has been restored. We may consider, at a future date, restoring the upper reaches with a helicopter.

## **Changes to original proposal**

There were no changes to the project.

## **Lessons Learned**

As with Waggoner Creek, we learned that it is important to be considerate of timelines when applying for permits. We submitted our permit application in early summer, but due to staff workload, the permit was not issued until shortly before work began. We now submit our applications well in advance of the field season.

We also learned that the addition of weir gravel is well worth the minimal expense it requires. The weirs began pooling water behind them as soon as we placed the gravel, and have retained a great amount of fine material in the time since implementation. We highly encourage its use in future projects.

## Meeting Goals

This project continues to successful met our goals to place 1390 boulders, 120 cubic yards of gravel, 93 50' logs with rootwads, 16 50' logs without rootwads, and 15 40' logs throughout 37 sites with an excavator. The project area begins at the Highway 38 bridge and continues 4.9 miles upstream. Prior to project implementation, there was a lack of LWD and boulders in Weatherly Creek. The stream channel was bedrock dominated and lacked diversity that salmonids require for spawning, summer rearing, and winter refuge habitat.

At this time following project completion, spawning, rearing and winter refuge habitat have been enhanced due to instream structures. Weatherly Creek has regained connection to the floodplain, gravel and other fine material has accumulated around structures and deep pools have developed near most of the structures. See photo pages 4-6. The monitoring photos really represent the added complexity that has been added to the watershed. This was severely lacking at the beginning of the project and it is evident that all life stage habitat conditions are present in the watershed.

## Maintenance and Modifications

No maintenance or modifications have been needed.

## Costs

Since no maintenance or modifications were required with this project there were no additional costs. Costs were incurred for the site visit to take photos as well as to write the report.

Category	Unit Number	Unit Cost	Total
Travel	45 miles	0.56/mile	\$ 25.20
Staff Time Monitoring	0.5 days	340/day	\$ 170.00
Staff Time Report	3 hours	30/hour	\$ 90.00
		Total:	\$ 285.20

## Public Awareness

The project monitoring information will be added to PUR's website ([www.umpquarivers.org](http://www.umpquarivers.org)). This project is highly visible from Weatherly Creek Road and has been the subject of several post-restoration tours.



## Photopoints

### Site 1



**Figure 1a.** Site 1, looking upstream.  
Pre-project: 7/20/2011



**Figure 1b.** Site 1, looking upstream.  
Post-project: 2/01/2014



**Figure 1c.** Site 1, looking upstream.  
Post-Project: 2/15/2016

This is the lowest log/boulder site. Note how the water has pooled and fine sediments are dropping out.

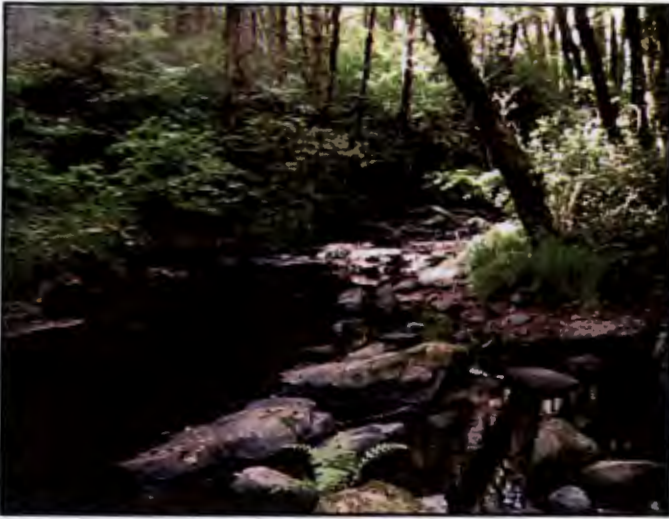


**Figure 1d.** Site 1, looking downstream.  
Post-Project 2/15/2016

The large log in the foreground was picked up and moved downstream about 10' during a high water event. Additional LWD has accumulated on the site.



## Site 16



**Figure 2a.** Site 16, looking upstream.  
Pre-project: 07/20/2011



**Figure 2b.** Site 16 looking upstream.  
Post-project: 02/01/2014



**Figure 2c.** Site 16, looking downstream. A large amount of additional large wood, in the form of riparian alders, has accumulated on the site.

**Post-project: 2/15/2016**



**Figure 2d.** Site 16, looking upstream. The complexity of the reach affected by this site has increased dramatically. Note the side-channel that has formed and increased sinuosity.

**Post-project: 2/15/2016**



## Site East Weatherly 6

## Description



**Figure 3a.** Looking upstream at site East Weatherly 6.

**Pre-project: 07/20/2011**



**Figure 3b.** Looking upstream at site East Weatherly 6.

**Post-project: 2/1/2014**



**Figure 3c.** Looking upstream at site East Weatherly 6.

**Post-project: 2/15/2016**

This is the uppermost site on the project, and thus has accumulated the most additional LWD. Note the gravel bar above the site.