

# Lewis River Aquatic Fund Projects (SA 7.5.3.2)

## Project Closeout Report

**Project Title:** Lewis River Hydroelectric Project  
Lewis River Side Channel 5

**Project Approved By:** Aquatic Coordination Committee  
March 26, 2013

**Original Project Sponsor:** U.S. Forest Service

**Project Funding** • \$88,000

**Project Description (work completed):**

- NEPA completed.
- Project designs completed.
- Materials secured from the 35-acre Peppercat timber sale unit
- Equipment and logging contracts completed.
- Contract administered/implementation. Two complex Large Woody Material structures and side channel large wood installed using 260 trees.
- Monitoring (cross-sections, longitudinal profiles, pebble counts and photos documentation) conducted before implementation, immediately following implementation and one-year after implementation (2018)
- Snorkel surveys
- Monitoring report written in 2017 and again 2018.

**Workforce:**

- **Personnel (by craft)**
- **Contractors:**

- Greg Robertson, USFS Fisheries Biologist
- Bryce Michaelis, USFS South Zone Aquatic Technician
- Abigail Groskopf, MSHI, Program Director (supervisor for field staff)
- Two seasonal fisheries technicians, MSHI (for monitoring)
- Twin Peaks Construction

**Schedule Summary:** Planned Completion Date: December 31, 2017  
Actual Completion Date: December 31, 2017

**Problems Encountered:**

- There were no real problems that were encountered. However, higher than anticipated flows for the season changed the anticipated work schedule and was a very minor disruption in that the logs for the north side of the river were stockpiled until the water dropped (1 week).

**Things that went well:**

- The contractor performance was exceptional and there were no equipment breakdowns.

**Work Not Completed:**

- All work was completed as planned.

**Lessons Learned:**

- Each water year is different and contingency plans should be available to mitigate unforeseen site conditions.

**\* Attachments (Photo Documentation):**

- See Monitoring Report for complete photos.
- See accompanying photos per the request below.
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\*(Per National Marine Fisheries Service's Biological Opinion for Relicensing of the Lewis River Hydroelectric Projects):

Identify process or methodology the project will include and provide photo documentation of habitat conditions at the project site **before, during, and after** project completion.

- a. Include general views and close-ups showing details of the project and project area, including pre- and post-construction.
- b. Label each photo with date, time, project name, photographer's name, and documentation of the subject activity.



**Photo 1. Lewis River side channel 5 project pre-implementation conditions on 8/2016 (Photo B. Michaelis).**





**Photo 2. Lewis River side channel 5 project post implementation on 8/15/2017 (Photo B. Michaelis).**



**Photo 3. Lewis River side channel 5 project unloading large wood obtained from PacifiCorp forebay cleaning operations**