

Lewis River Aquatic Fund Projects (SA 7.5.3.2) Project Closeout Report

- Project Title:** Lewis River Hydroelectric Project
2007 Pine Creek Nutrient Enhancement
- Project Approved By:** Aquatic Coordination Committee
8/21/07
- Original Project Sponsor:** USDA Forest Service
- Project Funding** \$43,150
- Project Description (work completed):**
- Distributed approximately 21,000 pounds of salmon carcasses in Pine Creek and Tributary P8 using a helicopter
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- Workforce:**
- **Personnel (by craft)**
 - **Contractors:**
- USFS-Helicopter specialists-3
 - USFS-Fish handlers-4-6
 - USFS- Traffic Control- 4
 - Fish First-4
 - Northwest Helicopters Contract -Pilot and Fuel Truck -2
- Schedule Summary:** Planned Completion Date: December 2007
Actual Completion Date: December 2008
Macroinvertebrate samples collected in October 2009
- Problems Encountered:**
- Sticky gate on bucket caused shutdown until new actuator arm was installed.
 - Snow
 - Low fish run at hatchery caused a 1 year delay of project implementation.
- Things that went well:**
- Hatchery Personnel were helpful
 - Helicopter and pilot well suited for project
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- Work Not Completed:**
- All work was completed.
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- Lessons Learned:**
- Have spare parts on site if possible.
 - Bring firewood to keep warm.
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- * Attachments (Photo Documentation):**
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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.

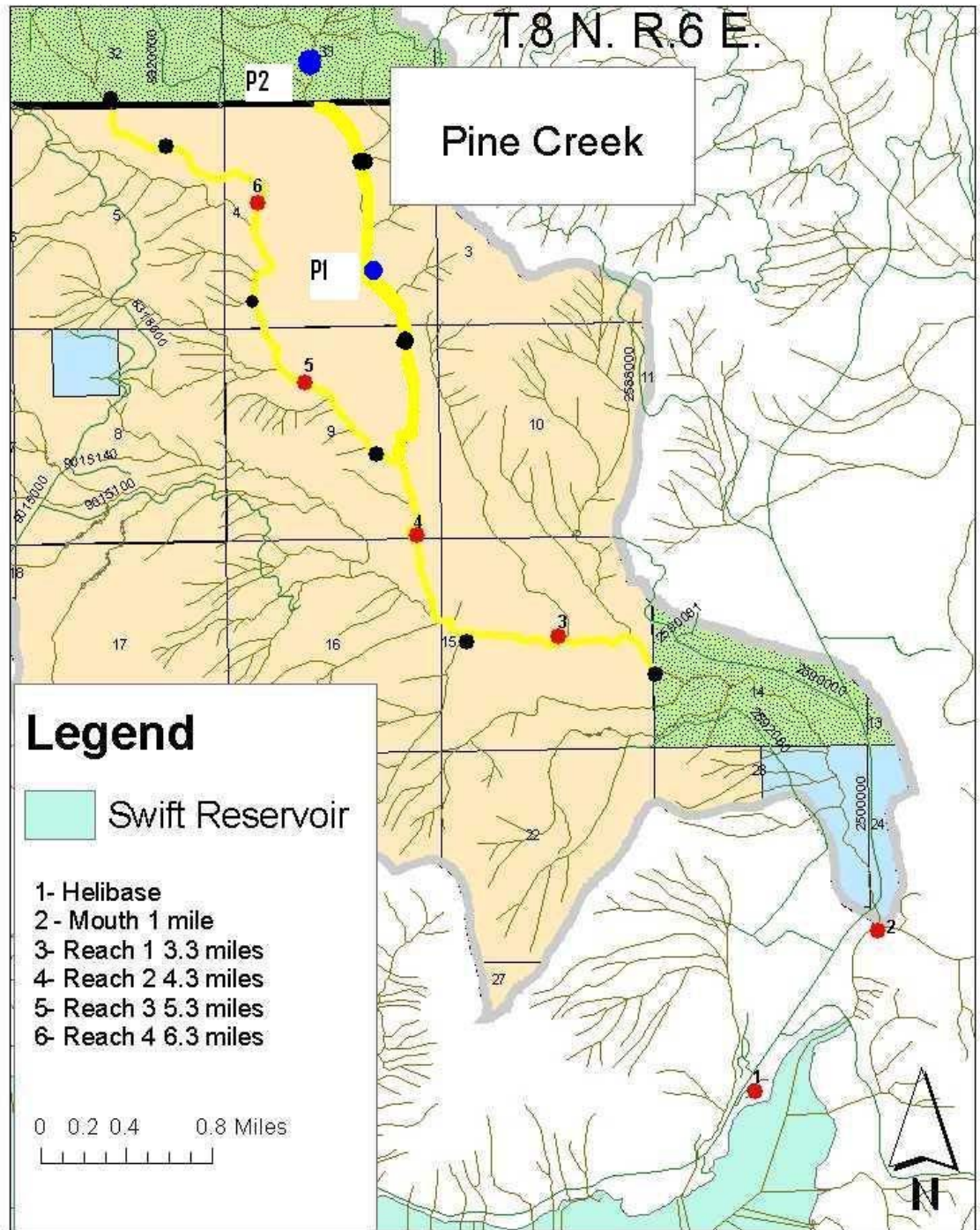


Figure 1. Helicopter distribution map



Picture 1. Loading carcasses from tote into helicopter bucket with forklift and USFS personnel. Harm 12/2008



Picture 2. Helicopter with a bucket load of fish taking off from Swift Reservoir Parking lot and heading to Pine Creek. Harm 12/2008

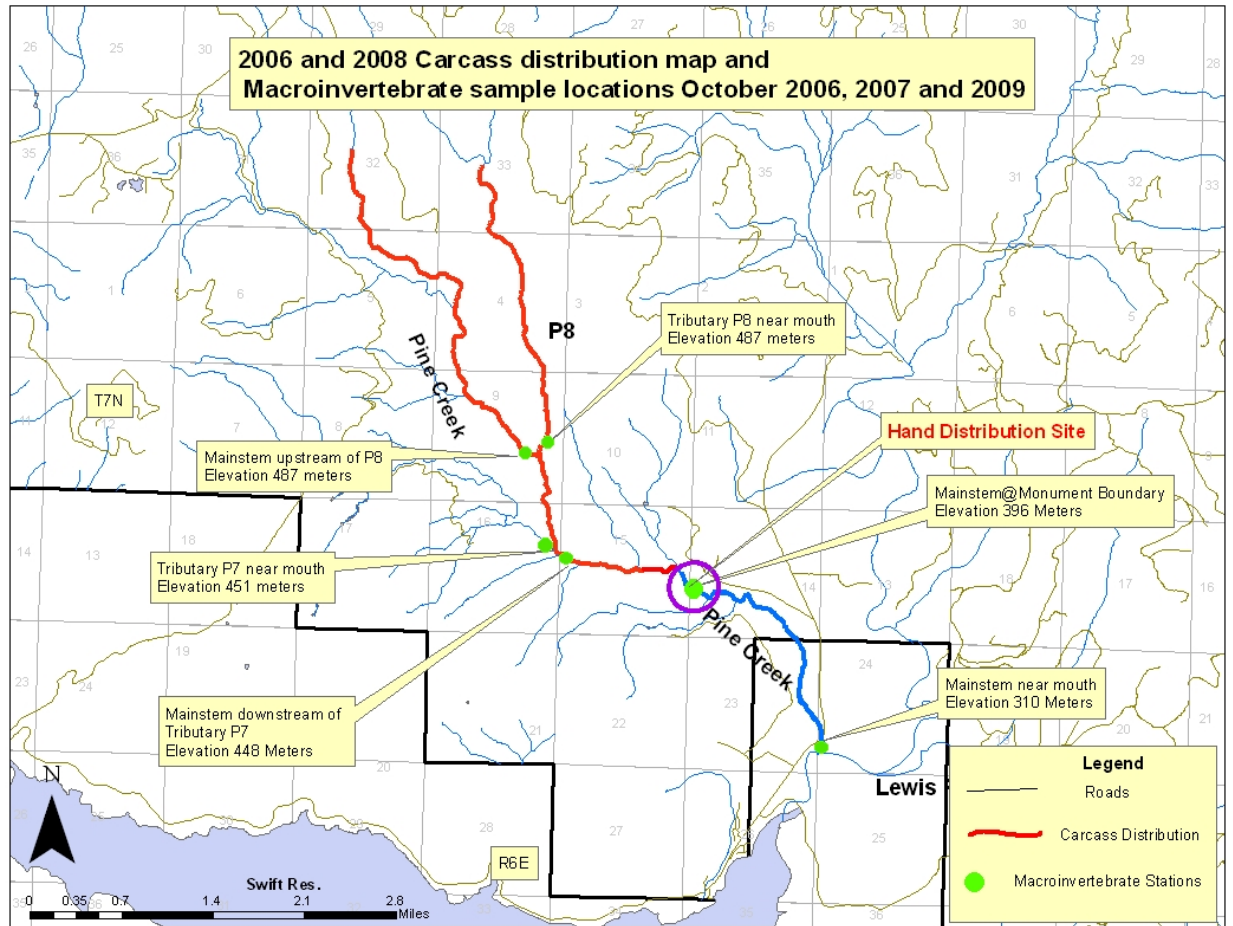


Figure 2. Map of macroinvertebrate sample sites for 2006 and 2008 project.