

Quarterly Progress Report
April - June 2009

Project Name: Buffer Integrity - Shade Effectiveness
Project Status: Data collection
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Sponsoring SAG: Landscape and Wildlife Science Advisory Group (LWAG)

Background:

This project examines the effects of four levels of shade retention on tailed frog and torrent salamander density, body condition, spatial distribution, water temperature, primary productivity, and macro-invertebrates. This is a cooperative project between Longview Timber Corporation and WDFW. Longview Timber completed a pilot study in 2003, and initiated a broader study in 2004. The CMER funded segment of this project includes seven sites on the Olympic Peninsula. The first and second years of pre-harvest sampling occurred in 2006 and 2007. Treatments were implemented fall/winter 2007/2008 and the first year of post-harvest sampling occurred summer 2008. The second year of post-harvest data is currently being collected. Sampling is projected for two-years of pre- and two years post-treatment.

Current Status:

Three interns were hired to help process drift samples. All the samples from 2005-2007 and 66 of 84 samples from 2008 have been processed. The interns' work is scheduled to be completed in July of 2009.

This quarter, all 7 streams were measured and reflagged. All enclosures were rebuilt with new screens and riveting than placed in the streams. Overall, it appears that rebuilding the enclosures has minimized escapements compared to losses last year. Periphyton tiles and dataloggers have been placed at all the sites. Three rounds of light meter readings and canopy cover measurements have been completed. Stocking the enclosures with amphibians was completed in May. Five amphibian growth measurements have been completed at site 309, four at sites 274, 286, Middle Waketickeh, and three at sites Lower Waketickeh, East Waketickeh, and Jorsted. Spring drift samples were completed in June for all 7 streams.

Budget:

Total allocated through fiscal year 09:	\$618,510
Total spent through March 2009:	\$558,586
Total allocated for fiscal year 2009:	\$161,823
Total allocated budget remaining:	\$59,924

Contract end date: June 30, 2009 (contract is amended annually to add budget and time as it is approved - It is anticipated this project will end on December 30, 2010)