

## Quarterly Progress Report July – September 2013

**Project Name:** Westside Type N Riparian Characteristics, Integrity, and Function (BCIF) Re-sample  
**Project Status:** Field Implementation – Re-sample  
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**Sponsoring SAG:** Riparian Science Advisory Group Eastside (RSAG)

### Background

The Westside Type N Buffer Characteristics, Integrity, and Function Project was designed to evaluate the effectiveness of the westside Type N riparian prescriptions, including survival of buffer leave trees, stand condition and trajectory over time, and changes in riparian functions, including shade, LWD recruitment, and soil disturbance/stream-bank protection. A random sample of 15 Type Np treatment sites were selected from forest practices applications (FPAs) and paired with unharvested reference sites to provide an unbiased estimate of the magnitude of change following application of the clear-cut and 50-ft buffer prescriptions. Data were also collected on the PIP buffer prescription.

Initial post-harvest sampling at 15 treatment/reference pairs in the western Washington western hemlock zone strata was initiated in the fall of 2003. Post-harvest low altitude photography and field measurements of canopy conditions were collected in 2004. Field data on riparian stand conditions, fallen trees, LWD recruitment, shade, channel wood loading, and soil disturbance from windthrown trees was collected. Field data were collected three and five years after timber harvest in the summer/fall of 2006 and 2008. A final report was approved by CMER in December 2011.

A tenth-year re-sample of study sites was approved by the Forest Practices Board in 2012 and 2013.

### Current Status

- Re-sampling field work completed September of 2013, and
- Data QA/QC, analysis, and report writing will begin fall of 2013.