

Workplan to Coordinate and Guide Large Woody Debris Restoration Strategies

Coordinator: Richard Harris, Extension Forester, UCB

The California Department of Forestry and Fire Protection has contracted with the Center to assist in the development of large woody debris restoration strategies.

Problem Statement: Lack of large wood debris (LWD) may be the most critical limiting factor in restoring salmonid habitat in North Coast watersheds. Lack of large wood and its impact on the transport of sediment are items commonly raised in cumulative impact analyses in timber harvesting plans. Yet there is no work plan agreed on by agencies and scientists to provide for an overall strategy to determine the significance of and to restore and maintain LWD. Agency efforts are for the most part not well coordinated and focused. As part of this task, the Center will develop a written workplan to evaluate the significance of LWD and to coordinate and guide LWD restoration strategies for North Coast watersheds including:

- * Assessment of the relative condition of LWD in North Coast watersheds and the potential to recruit LWD in each watershed
- * Literature review detailing LWD recruitment and its movement.
- * Documentation for any LWD recruitment or microclimate assessment models.
- * Report detailing findings and conclusions of the study including a comparison of LWD recruitment strategies in Oregon and Washington. Report will define a short term strategy and a suite of longer term strategies for the recruitment of LWD on Jackson Demonstration State Forest as well as in impaired or sensitive watersheds on the North Coast where LWD is a resource management issue and microclimate influences.
- * Development of an experimental design and research program incorporating ongoing studies at JDSF and in cooperation with JDSF staff, other agencies, landowners, and the State University System.

The scientific team proposed by the Center includes some or all of the following: Rick Standiford (UCB), Richard Harris (UCE), Greg Giusti (UCCE), Kevin O'Hara (UCB), Robert Beschta (OSU), Dave Hibbs (OSU), Tom Lisle (USFS-PSW), Bill Dietrich (UCB), and George Ice (NCASI).

Product deliverables are draft and final workplans that contain the above-described elements according to the time frames specified in this proposal.