



Trinity River Restoration Program

P.O. Box 1300, 1313 South Main Street, Weaverville, California 96093
Telephone: 530-623-1800, Fax: 530-623-5944

MEMORANDUM

TO: TRINITY MANAGEMENT COUNCIL (TMC)
FROM: DJ BANDROWSKI, IMPLEMENTATION BRANCH CHIEF
CC: ROBIN SCHROCK AND ERNIE CLARKE
SUBJECT: PHASE II PLANNING AND ANALYSIS
DATE: SEPTEMBER 16, 2014

The memo is to provide a status update regarding the Phase II Planning in preparation for the September 17th TMC meeting. The Phase II Planning and Analysis was initiated in November of 2013 after the initial release of the Phase I Review and based on the direction of the TMC. The Phase II Planning has been a joint collaborative effort between the TRRP Design Team, Habitat Team, Inter-Disciplinary Team (IDT), Program Statistician (Nicholas Som), the Bureau of Reclamation's Technical Service Center (TSC), and an external consulting firm (Anchor QEA).

The Phase II Planning and Analysis used a quantitative prioritization tool referred to as Two-Dimensional Hydrodynamic Based Logic Modeling (2D-HBLM). The Phase II analysis was developed using three unique steps: 1) System wide 2D hydraulic model for the 40 miles restoration reach; 2) Evaluation metrics and development of a habitat module based on hydraulic model output; 3) Logic model statistical analysis framework for prioritization. The output results from each of these steps have been compared against measured data.

Draft results of the Phase II Planning and 2D-HBLM analysis are complete and have been reviewed by multi-disciplinary technical staff from the groups mentioned above including fishery biologists, geomorphologists, riparian ecologists, and engineers. The locations identified in the Logic Model as being the most and least desirable locations to do channel rehabilitation have been validated against professional judgment and expert knowledge of the Trinity system. The Design Team has reached a consensus technical recommendation, which is to select four out of the top ten locations identified in the model output. The four project areas that the Design Team recommends for design during 2015 and to support 2016 implementation activities as: 1) Evans Bar (Downstream Dutch Creek), 2) Chapman Ranch, 3) Deep Gulch, and 4) Sheridan Creek.

The Draft Phase II Planning results and Design Team technical recommendation are for 2016 implementation only. The 2D-HBLM results will be updated and revised for future management consideration once additional information becomes available through the development of the Fish Production Model in the months to follow.