



TRINITY RIVER RESTORATION PROGRAM

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Technical Work Group Summary June 2012

Updates have been prepared by the Trinity River Restoration Program technical workgroup coordinators at the request of the Trinity Management Council and the Trinity Adaptive Management Working Group. The quarterly Technical Work Group Summaries will also be posted at: http://www.trrp.net/?page_id=1762 (update of webpage in progress).

Work Group: Flow

Coordinator: Tim Hayden

- The flow work group is assessing the implications of constant base flows.
- A draft Water Year 2011 flow implementation report is being revised.
- Fall flow sub-workgroup developed recommendations to help avert a fish die-off in the Lower Klamath (hand out).

Work Group: Temperature

Coordinator: Rod Wittler

- The Lewiston reservoir special study is on track for a September 2012 completion. The study is being managed by Dr Shelly McGinnis of Reclamation's Mid-Pacific Region Division of Planning in consultation with the TRRP temperature work group. The study will investigate structural and/or operational alternatives and provide recommendations for improving the transmission of cold water through Lewiston reservoir. The special study surpasses the analysis needed for and Appraisal Study. A future Initial Alternatives Information Report (IAIR) and then a Feasibility Study may build on this study.
- Trinity reservoir carryover storage analysis to determine the optimal range of end-of-September carryover storage volume for Trinity Reservoir is also on track for a September 2012 completion. The analysis is being conducted by experts from Reclamation's Technical Services Center in consultation with the TRRP temperature work group.

Work Group: Interdisciplinary

Coordinator: Ernie Clarke / DJ Bandrowski

- The IDT has provided input on the FY13 preliminary science workplan which is now undergoing external review (see Science Update).
- The IDT is developing answers to the "TRRP Big Questions" based on current knowledge.

Work Group: Design

Coordinator: DJ Bandrowski

- Final Civil Designs have been completed for 2012 Channel Rehabilitation Projects including: Upper Junction City (UJC) and Lower Steiner Flat (LSF) construction is planned to start July 1 for both projects
- Revegetation Designs are in progress for UJC/LSF Rehab Sites, and Indian Creek Bank Naturalization Project projects, completion planned for July 1.
- Bucktail Bridge Cost Benefit Analysis underway, completion planned for Aug 1
- 2013 planning and design considerations being evaluated in coordination with the upcoming results of the Phase I Review
- Next Design Team meeting planned for July30-Aug1. Peter Wilcock and Corp of Engineers Team will be providing workshop on the “Stream Project” – an Alternative Analysis Decision Framework for design comparisons.

Work Group: Fish

Coordinator: Joe Polos

The Fish WG last met on May 10 in Weaverville. The primary topics of discussion were: (1) Fish Related Performance Measures, (2) SF Trinity Spring Chinook Limiting Factor Analysis, (3) Juvenile Salmonid Outmigration Timing in Relation Spring/Summer Flow Management, and (4) Adult Salmonid Monitoring Review.

- Authors of the current performance measure documents will be asked when they will have data available to update their documents.
- Josh Smith of the Watershed Research and Training Center presented the draft SF Trinity Spring Chinook salmon Limiting Factor Analysis report. This report was developed by a subgroup of the Fish WG. The draft report is currently under review by the Fish WG and will be revised following receipt of comments which were due on June 4.
- The Flow WG requested that the Fish WG determine what analyses are needed to evaluate flow releases that are made to provide thermal benefits to outmigrating salmonids, specifically the 2,000 cfs bench. A draft scope of work for the outmigrant timing and flow analysis will be developed by mid-June.
- The Fish WG discussed the recommendations contained in the TRRP Adult Salmonid Monitoring Review with project proponents identifying how they were addressing the recommendations. The WG will develop a comprehensive plan on how the various recommendations will be addressed and then provide this document to Mike Bradford, the primary reviewer, for review and input.

Work Group: Physical**Coordinator:** Andrea Hilton

- Guiding and reviewing products from the USGS system-wide geomorphic assessment.
- Refining, updating and augmenting the physical performance measures developed last year. Developing three new measures related to: 1) channel migration, 2) large woody debris and 3) fine sediment storage.
- Summarizing the literature regarding pool types and expectations of pool evolution in the Trinity River.
- Completing the pool scour / fill study from fiscal year 2011.

Work Group: Wildlife and Riparian**Coordinator:** Andrew Jensen

- Worked with John Bair on his development of input for the Flow Workgroup.
- Commented on and reviewed the recently completed riparian and riverine bird monitoring investigation plan by Klamath Bird Observatory (KBO).
- Working on Riparian PITA's 1 and 2
- Reviewing and commenting on Upper Junction City and Lower Steiner Flat Replanting Design.
- Discussions pertaining to replanting on Private Lands – Modes of Long-term Protection and Mitigation Credit
- Field Investigations 1) Indian Creek Bank Naturalization

Work Group: Watershed**Coordinator:** Kent Steffens

- Watershed implementation contract for Mainstem Sediment Reduction, Conner Creek and Sidney Gulch feasibility studies, LiDAR surveys, and Lower East Weaver Creek are still moving through the federal contracting process and anticipated award has slipped from June to July.
- Watershed Assessment contract is moving through federal contracting process. Currently still in the review process, with anticipated GSA advertisement in July.

Work Group: Data Team**Coordinator:** Eric Peterson

- Revised TRRP Data Management and Utility Plan in accordance with discussion and comments by the IDT.
- Completed final version of the TRRP Data Management and Utility Plan (<http://odp.trrp.net/Data/Documents/Details.aspx?document=1510>)
- The team was assembled for a specific purpose and never formalized into a regular TRRP Work Group. The specific purpose has been achieved. The team is now being dissolved, although it could be reassembled in the future if more needs are identified.