

Technical work group Summary
March 2015

Updates have been prepared by the Trinity River Restoration Program technical work group coordinators for the Trinity Management Council and the Trinity Adaptive Management Working Group.

Work Group: Flow

Coordinator: Robert Stewart

- The Flow work group last met on March 3, 2015.
- The Flow work group prioritized objectives resulting from the sequence of recent years' hydrology.
- The Flow work group has developed hydrographs for 2015 to meet management objectives.
- The Flow work group has completed temperature modeling of proposed Dry and Normal Water Year hydrographs.

Work Group: Fish

Coordinator: Steve Cannata

- The Fish work group last met on March 16, 2015.
- The Fish work group resumed 2016 Work Plan discussions which began during the February 18th meeting.
- The Fish work group prepared a prioritized 2016 Work Plan pending some input from other work groups.
- The Fish work group met on February 18, 2015
- The Fish work group reviewed the 2014 estimates for in-river fall Chinook salmon run update. The total run-size for Klamath/Trinity Basin is approximately 183,000; total basin escapement approximately 145,000; Trinity Basin escapement approximately 38,500.
- The Fish work group discussed the 2016 work plan:
 - 1) Cohort reconstruction: If this is an annual information need, then we need to determine what is most useful to provide to the Program and we need to make sure that these data are provided in a timely manner.
 - 2) Channel rehabilitation assessment needs: The focus is on validating juvenile fish use relationships with newer habitat design features.
 - 3) Fish production model information needs: The group met with modelers on March 5, 2015.
 - 4) Process: The group discussed how the objectives exercise may inform the Program's information needs and work planning for Fiscal Year 2016.
- 2016 Work plan prioritization will be finished during a work group meeting on March 16, 2015.

Work Group: Gravel Augmentation

Coordinator: Robert Stewart

- The Gravel Augmentation work group (GAWG) last met on March 18, 2015.
 - McBain Associates presented an investigation on bare bar area in the Trinity River (upper 64km).
 - The compendium of long term gravel augmentations in the upper Trinity River (upper 20 miles) was presented. This will be updated when feedback is received from the group.
 - The group discussed what they would provide to the TMC in terms of what GAWG has done, is doing, and will do. The group has decided that a long term gravel management plan will not be sufficient to help inform gravel augmentations. Instead GAWG decided that a river corridor management strategy is required that considers three programmatic management actions

together (gravel, channel rehab, & flow). The group will present this idea to the IDT since the strategy is a multidisciplinary effort and will require multiple work groups working as cohorts.

- Gravel augmentation volumes have been specified for Water Year 2015 proposed hydrographs.
- GAWG has prioritized the Fiscal Year 2016 work plan.
- The next work group meeting is on March 18, 2015, in Arcata, to discuss the Compendium of Long Term Gravel Augmentation.

Work Group: Wildlife and Riparian

Coordinator: James Lee

- The Wildlife and Riparian work group did not meet this last quarter.

Work Group: Interdisciplinary Team

Coordinator: Ernie Clarke

- The Interdisciplinary Team will meet on March 31, 2015 to discuss Fiscal Year 2016 priorities.

Work Group: Design

(Acting) Coordinator: Conor Shea

- The State Design Team is continuing development of designs for the Dutch Creek project. The State Design Team split the original project into two separate designs: Lower Dutch Creek, which includes the lower third of the original project; and Upper Dutch Creek, which includes the upper two-thirds of the project. The State Team is developing the design of Lower Dutch Creek using Concept Alternative 5 Phase A. For Upper Dutch Creek, the State Design Team is advancing design using a modified version of Alternative 5, and incorporating comments received from the work group.
- The Federal Design Team, Hoopa Valley Tribe Design Team, and Yurok Tribe Team are preparing concept plans for the “Lower Valley Suite” of Channel Rehabilitation Designs. The Lower Valley Suite consists of Chapman Ranch, Deep Gulch, and Sheridan Creek project areas.
- The Bureau of Reclamation’s Denver office has developed preliminary, existing conditions hydraulic models of the Lower Valley Suite, and is working to refine models to improve/match with observed conditions.
- The Design Team work group met for a full-day meeting in Weaverville on February 9, 2015. The primary purpose of the meeting was to set work schedules for development of concept plans for the Lower Valley Suite, to review status of permit renewals, to review preliminary hydraulic models, and to coordinate design development.
- The Design Team work group held a two-hour conference call on February 27, 2015. John Bair (McBain Associates) presented results of an analysis of groundwater monitoring in the Lower Valley. The work group reviewed metrics that will be employed to evaluate hydraulic modeling results.

Work Group: Watershed

Coordinator: Sean Ledwin

- The Watershed work group created a draft Request for Proposal (RFP) for Fiscal Year 2016 that was submitted to the Bureau of Reclamation and Department of Interior Solicitors for initial review. Once that review is complete, the Watershed work group will make any necessary revisions and provide these to the Trinity Management Council (TMC) for management review.