

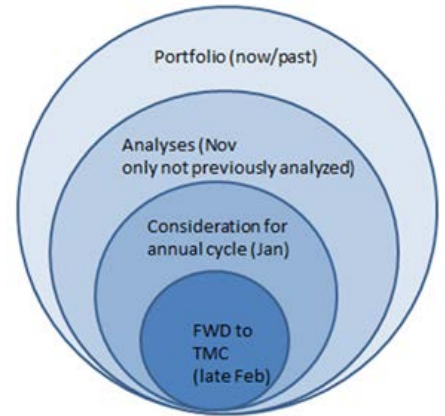
## Technical Workgroup Summary December 2013

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

**Workgroup:** Flow

**Coordinator:** Rod Wittler

- The Flow Work Group is preparing for the 2014 Flow Scheduling process on an accelerated schedule.
- The group began the process in June of 2013 with the establishment of the 2014 Flow Scheduling process (diagram) and solicitation of proposal for 2014 hydrographs.
- In August and November the group received and reviewed hydrograph proposals. On Nov 13, 2013, the group selected set of proposed hydrographs for analysis (see below).



| Water Year Type | Selected Hydrographs                                                         | Source or Author                                                    |
|-----------------|------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Extremely Wet   | Extremely Wet-ROD<br>Extremely Wet-Riparian Initiation                       | ROD<br>James Lee                                                    |
| Wet             | Wet-ROD<br>Wet-Alt 1<br>Wet-Alt 2<br>Wet-Multi-peak 1<br>Wet-Multi-peak 2    | ROD<br>Andreas Krause<br>Andreas Krause<br>Seth Naman<br>Seth Naman |
| Normal          | Normal-ROD<br>Normal-Multi-peak<br>Normal-Joint Physical-Riparian Initiation | ROD<br>Seth Naman<br>Krause-Lee                                     |
| Dry             | Dry-ROD<br>Dry-Multi-peak<br>Dry-Joint Physical-Riparian Initiation Alt 2    | ROD<br>Seth Naman<br>Krause-Lee                                     |
| Extremely Dry   | Extremely Dry-ROD                                                            | ROD                                                                 |

- The Flow Work Group and other workgroups are conducting analyses of the selected hydrographs. The group will evaluate the analyses and construct a decision tree for the TMC in late February which will include the group's reasoning for selecting a hydrograph for each of the 5 water year types.
- The group developed the following list of potential analyses for proposed hydrographs:
  1. Temperature Compliance
  2. Sediment Transport
  3. High Flow Gravel Augmentation – Gravel Augmentation Work Group
  4. Habitat
  5. Riparian Initiation & Recruitment
  6. Outmigrant Timing
  7. Construction Coordination – Design Work Group
  8. Monitoring Coordination
  9. Others? Special status species; Hydrograph variability (Intra-annual)  
Annual variability (Inter-annual); Food availability

**Workgroup: Fish****Coordinator: Seth Naman**

- The Fish Workgroup last met on November 6. The group continues to focus efforts on refining fish related means objectives and metrics to be utilized in the decision support system, and in order to realize the TRRP goal and fundamental objectives discussed at the May 22 objectives workshop. A new draft of the refined metrics will be shared with the IDT in their next call.
- The Fish Workgroup also discussed ideas for 2014 priorities for the group which included model support for juvenile fish production, multiyear analysis of existing monitoring data, and report writing to ensure timely dissemination, and technical feedback to other work groups.
- Other upcoming tasks in the near future include providing feedback to the gravel augmentation group on 2014 gravel augmentation sites and performing analyses to evaluate the flow alternatives proposed by the Flow Workgroup.

**Workgroup: Gravel Augmentation****Coordinator: Robert Franklin**

- The Gravel Management Workgroup, newly formed consequent to recent TMC action, had its first full meeting on December 3.
- The workgroup made considerable progress toward development of a 2014 gravel augmentation recommendation in terms of specific locations, volumes and methods.
- By applying criteria associated with both direct ecological benefits and hypothesis testing, the workgroup chose four sites from among candidate locations: Weir Hole; Lewiston Cableway; Upper Lowden Meadows; and Grass Valley Creek confluence.
  - Potential methods to be employed at these sites vary from high-flow injections (dependent on wet water year types) to low-flow placements (not dependent on water year type).
  - Supporting analyses for final recommendations will be completed prior to the February meeting of the work group; a final recommendation will be forwarded to the TMC for approval at their March 2014 meeting.
- The workgroup discussed support for a five-year permit from the North Coast Regional Water Quality Board for the period 2015-2020. Development of information supporting the coming five-year permits for gravel augmentation appears feasible.
- A sub-group consisting of available work group members will develop for consideration by the full group a prioritized list of sediment-specific objectives bridging from the Integrated Assessment Plan.
- Underpinning technical information for a long-range plan is being developed.

**Workgroup: Wildlife and Riparian****Coordinator: James Lee**

- The Workgroup held its last quarterly meeting on September 12. The group will meet on an as-needed basis in the future.
- Workgroup members met with SAB member Mike Merigliano, as well as with riparian ecologist Chris Hoag, to review riparian objectives, monitoring, and management methods.
- Workgroup members produced a draft document for TRRP review, the WY 2012 Riparian and Geomorphic Monitoring Report (IHAP).
- Workgroup members completed avian and herpetological monitoring for the 2013 field season and produced an avian monitoring summary report for 2013.
- A systemic cottonwood recruitment survey was performed in October, and other riparian mapping is ongoing.

**Workgroup:** Interdisciplinary Team

**Coordinators:** Ernie Clarke/DJ Bandrowski

- The Interdisciplinary Team holds monthly teleconferences.
- The group is primarily serving a coordination role.

**Workgroup:** Design

**Coordinator:** DJ Bandrowski

- The Bucktail (Hoopa Valley Tribe) and Lower Junction City (Federal) Designs are in progress and are approaching 80%-90% level, with anticipated final designs by end of January 2014.
- The Dutch Creek (State) project is currently at 30% design stage awaiting further input from the USFS NEPA process and on-site geophysical investigations.
- The Hatchery Channel Rehabilitation Reach (Yurok Tribe) is just starting on initial design concepts and will be proceeding throughout FY14.
- NEPA - Environmental Compliance is being developed for Lower Junction City and Bucktail (Public Meeting planned for December 17th).
- Phase 2 Strategic Planning and Analysis is underway with an anticipated draft report end of January or first part of February.
- Implementation construction for Summer 2014 will include Upstream Douglas City and Lower Junction City Channel Rehabilitation Projects.

**Workgroup:** Watershed

**Coordinator:** Robin Schrock

- The Watershed Workgroup developed a memorandum to the TMC asking specific questions regarding the objectives and scope of future TRRP watershed projects.
- The workgroup initialized a pre-proposal format for TRRP watershed project submissions.
- The workgroup reviewed 2015 pre-proposals and reached consensus that all submitted pre-proposals go to full proposals.
- Full 2015 TRRP Watershed Project proposals are due November 6, 2013 using the 2007 proposal form.