



TRINITY RIVER RESTORATION PROGRAM

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**Technical Workgroup Summary
December 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 Workgroup Summaries will also be posted at: http://www.trrp.net/?page_id=1762 (update of webpage in progress). Workgroup meeting summaries are also posted on trrp.net (see: http://www.trrp.net/?page_id=70)

Workgroup: Flow **Coordinator:** Eric Peterson

- The Flow workgroup has formed a subgroup to address hypotheses and design proposals for variable baseflows. Progress on these topics will include consultation with other workgroups.
- The timing of juvenile outmigration was a significant consideration for recommendations on hydrograph descending limbs during the Flow Study and Fish Workgroup members are participating in the analysis of subsequent data that is currently underway.
- In response to a request for information on the October baseflow transition (450 to 300 cfs), the workgroup developed a 1 page briefing for future use in responding to questions from the public.
- The Water Year 2012 flow recommendation "binder" document is available on the ODP: <http://odp.trrp.net/Data/Documents/Details.aspx?document=1871>
- The Water Year 2012 implementation report is being drafted.
- Planning is underway for Water Year 2013 flow scheduling.

Workgroup: Temperature **Coordinator:** Rod Wittler

- The Temperature workgroup is looking forward to using the new temperature model (W2) for Lewiston reservoir analyses. We expect delivery from Watercourse Engineering soon.
- The Temperature workgroup is considering modifying the primary temperature performance measure. The new measure under consideration will be simpler and more easily interpreted. The workgroup continues the process of picking effective performance measures.
- The Temperature workgroup continues to investigate potential analyses of climate change impacts to river temperatures below Lewiston dam.
- The Temperature workgroup is supporting the outmigrant timing study being conducted by Flow and Fish workgroup members (mentioned above) by supplying temperature data.



Workgroup: Interdisciplinary

Coordinators: Ernie Clarke / DJ Bandrowski

- The Interdisciplinary team holds monthly teleconferences to facilitate coordination and information exchange between workgroups. For instance the group is pulling together information from various technical workgroups to respond to Design Team questions related to pool depth and adult fish holding habitat.

Workgroup: Design

Coordinator: DJ Bandrowski

- The Design Team is working on 2013 Channel Rehabilitation Project Designs (Civil and Revegetation). The Hoopa Design Group is developing the Douglas City design; the Yurok/Federal Design Group is developing the Lorenz Gulch design.
- The 2014 design process will start after the Phase I Review roll-out in 2013. A Phase II Plan will be developed with the Scientific Advisory Board to support the remaining channel rehabilitation Phase II projects.
- Design Team developed eleven goals/objectives and associated metrics to support the 2013 design effort.
- A Joint Stakeholder/Design Team meeting was held on November 14th. A Stream Project alternative analysis tool was used to incorporate designers' metric results and stakeholder priority for the goals/objectives. This created an opportunity to engage with stakeholders at the 10% conceptual design stage and to help optimize the project designs to meet multiple objectives.
- Design Team and other workgroups met with Darcy Pickard, ESSA Technologies, regarding development of a Channel Rehabilitation Effectiveness Monitoring and Analytical Framework. The results will be incorporated into a larger Decision Support System recommended by the Scientific Advisory Board. Design Team has submitted a memo to the Trinity Management Council and to the Interdisciplinary Team for guidance on technical and social/stakeholder concerns regarding adult holding habitat consideration within the TRRP design process.
- Trinity Management Council asked the Design Team to re-evaluate the Indian Creek Bank Naturalization Project. New analyses will be presented in January after an internal review by Design Team.
- Bucktail Bridge Design and Environmental Compliance is underway, completion planned for June 2013, with anticipated potential bridge replacement by Trinity County in 2014.

Workgroup: Physical

Coordinator: Andreas Krause

- Pool analysis is underway now that the system-wide bathymetry has been received. The analysis will consider approximately 150 pools where repeat bathymetric data is available from 2009 onwards.
- The 2011 sediment transport monitoring report was just finalized and is available on the program website. The implications of this finding will need to be considered by the physical workgroup.
- The workgroup developed a gravel augmentation recommendation for 2013 that will be presented to the TMC in January.
- Work on the geomorphic assessment by the U.S. Geological Survey continues. A final report is expected sometime this spring.

Workgroup: Wildlife and Riparian

Coordinator: James Lee

- Desired Future Conditions definition draft to be distributed to work groups in January.
- Revegetation Plan and Compliance Strategy nearly completed, draft to be delivered to the California Department of Fish and Game in mid-December.
- Amphibian Research and Monitoring Initiative researchers met with TRRP staff to scope the strategy for foothill yellow-legged frog and western pond turtles monitoring.
- 2012 Avian monitoring report complete (Associations with riparian habitat and constructed floodplain cover for five riparian birds species on the Trinity River, CA, 2002-2011)
- Lower Steiner Flat and Upper Junction City channel rehab site revegetation is completed.

Workgroup: Watershed

Coordinator: Kent Steffens

- A total of nine watershed projects were proposed to the group for funding. These projects were ranked by each of the stakeholder groups to prioritize projects using the workgroups' funding criteria. Based on current funding 5 of the 9 proposals were selected to move forward with funding and contracting for fiscal year 2013 funds and implementation in 2014.
- Selected projects for funding and implementation now need to be refined further for contracting purposes with detailed budgets and schedules.
- A revised work flow diagram was adopted at the last meeting to bring project proposals to the workgroup sooner in the calendar year, and allow for more discussion and review. This revised flow diagram will be implemented for fiscal year 2014 funds and project selection.
- Based on the ranking and selection process, the group thought the process could be improved or refined. One of the workgroup members is going to have a draft revised funding criteria for the next meeting for the workgroup the review and comment.

Workgroup: Fish

Coordinator: Tim Hayden

- At their November meeting the workgroup discussed the objectives for the juvenile salmonid density project, performance measures, and status of subgroup tasks (South Fork spring Chinook limiting factors, cohort reconstruction, juvenile survival, and juvenile fish production model).
- In a subsequent meeting, the workgroup supported the suggestion to focus the juvenile salmonid density project partners on supporting data needs for development of a juvenile fish production model.
- In January, the workgroup will discuss the Design Team information request related to adult holding habitat and channel rehabilitation features. The group will also consider preliminary findings from the Scientific Advisory Board's Phase I Review.
- In February there will be a workshop to discuss the newly developed juvenile Chinook salmon production model for the Klamath, and explore priorities for developing a Trinity River component of a basin-wide model.

