

March 26, 2015

TRRP science update

Topics:

1. Staff
 - a. Thank you
 - b. Fish biologist
2. FY 2016 work planning
 - a. Preliminary work plan to TMC in June
 - b. Priorities from work groups are similar to past years
 - c. Behind intended timeline in order to address:
 - i. Additional rehabilitation site monitoring (Design team)
 - ii. River corridor management concept (Gravel augmentation work group)
 - iii. Bolster adaptive management (IDT)
 - iv. Any discrepancy in expectations in “RIG” versus “Science” funded efforts
3. Work groups
4. Accountability
 - a. Provide TMC with status of Science work plan deliverables for each meeting
 - b. Status reports
 - i. Accomplished during the quarter
 - ii. Anticipated during next quarter
 - iii. Issues
5. Reports in progress (over)

Reports in Progress as of 3/24/2015

In final preparation:

1. Assessment of geomorphic change along the Trinity River below Lewiston Dam, California, 1980 – 2011
USGS Scientific Investigation Report *Expected release: April 2015*
2. Geomorphic Mapping in Support of Science-Based River Restoration, Trinity River, California
USGS Open-File Report *Expected release: April 2015*

In review or revision:

1. Integrated Habitat Assessment of the Upper Trinity River, 2009
Justin Alvarez and others
2. Development and validation of two-dimensional hydrodynamic models on the Trinity River, CA
Justin Alvarez and others
3. Trinity River Natural Fall Chinook Cohort Reconstruction
Hoopa Valley Tribal Fisheries Department (HVTFD)
4. Results of Hoopa Tribal Harvest Survey Conducted in 2012
HVTFD
5. Results of Trinity River Mainstem Creel Census Conducted in 2012
HVTFD

Upcoming:

1. Trinity River mainstem redd survey
Charlie Chamberlain and others *Expected: May 2015*
2. Juvenile Salmonid Emigration Monitoring on the Mainstem Trinity River, California, 2014
Pinnix and others *Expected May 2015*
3. Juvenile Salmonid Density Monitoring to support (SSS) Development, combined 2013-2014 report
Bill Pinnix and others *Expected: July 2015*
4. Water year 2014 Trinity River Restoration Program geomorphic and riparian monitoring report
HVTFD and McBain Associates (MA) *Expected: Summer 2015*
5. Water Year 2009-13 Bed Mobility and Scour Retrospective
HVTFD and MA *Expected: Summer 2015*
6. Age-0 Chinook and Coho Salmon rearing habitat in the restoration reach of the Trinity River: annual estimates and changes from 2009 to 2013.
Damon Goodman and others *Expected: Summer 2015*
7. Trinity River Basin Salmon and Steelhead Monitoring Project; 2014-15 Season
California Department of Fish and Wildlife *Expected: Summer 2015*

Work group products under development:

1. Long term gravel augmentation compendium
2. Restoration Flow Releases on the Trinity River – Water Year 2013
3. Flow Release Schedule Design Water Year 2015