Meeting Summary
FISH WORK GROUP
Wednesday, June 11, 2014, 9:30 – 3:00
TRRP Office, Weaverville, CA and via Webex

Participants
Core members: Seth Naman (coordinator, NOAA), George Kautsky (HVT), Tim Hayden (Yurok), Steve Cannata (DFW)
Other participants: Andreas Krause (HVT), Rod Wittler (USBR), Robin Schrock (TRRP)
By phone: Joe Polos (USFWS) Andreas Krause (HVT), Bill Pinnix (USFWS)
Notes: Jeanne McSloy (from Webex recording).

Action Items Derived during the Meeting

- Hatchery Reach memo: Seth will continue to refine the Hatchery reach memo with ongoing input from the Fish WG, to be finished by 6/17.
- Fall Temperature Management/Auxiliary outlet: Joe Polos to investigate daily maximum temperature increases for adult spring/fall chinook. Seth to share temperature reference document with Fish WG.
- Outmigration Synthesis Analysis: Bill Pinnix and Nick Som to work on priority synthesis task list (population estimates), then engage partners in August.
- Escapement goals memo: Seth to continue to refine the literature review and circulate the draft to the Fish WG. Fish WG to forward the memo to the TMC for September meeting. George to forward the Frederickson et al document to the Fish WG.
- Performance Metric: Seth to email the Fish WG the list of fish performance metrics that need to be updated by the Fish WG. Metrics will be parsed out depending on who has the data to update them.

Action Items Outstanding from Previous Meetings

- None

Agenda Review

Seth reviewed the agenda. Item added: Age-length relationships (Steve).

Hatchery reach memorandum review and PNI metrics for spawning habitat enrichment

Seth suggested that this memo should come from Ernie and be characterized as an update to the TMC. The TMC can make a decision on it at their next meeting. It was noted that hatchery co-managers need to be advised of any decisions. The draft memorandum was reviewed and edited based on feedback from the group, and comments added. PNI metrics were discussed. There is a need to define what is meant by integration. One issue is how to manage restoration efforts during the interim time period and what effects those actions might have. The solution is changes in hatchery practices, but that will take time, so in the interim we need to determine how to manage our restoration actions. Andreas signed off at the conclusion of this discussion. It was suggested that Program Goals have been misunderstood by the public.

2014 Trinity Temperatures/carryover storage

Rod Wittler joined the group, presented Trinity River 2014 May 90% Exceedance Outlook "Critically Dry Year" Release Schedule Mean Daily Water Temperature and how much water will come from the auxiliary outlet works. We will begin using the auxiliary flows on 21 August and end on the 22nd of October. Thus, we will be using blended flow from August 21st until 31st of September, after which we will switch exclusively to auxiliary (so temperatures go down again). Then on October 13th the second blending begins, and goes through the 22nd. The possibility of thermal shock for fish when use of the auxiliary outlet is discontinued was discussed. During the transition from auxiliary to Power Plant output, there will be a 7-8 degree increase in temperature; blending during that time is intended to make this a gradual increase rather than one that occurs in a single day. Operational issues: Rod said that he has spoken to Operations about this issue and that Reclamation is ready to operate according to this schedule.

Prioritize outmigrant synthesis

Tim reviewed part of the Draft Long-Term Trinity River rotary screw trap data analysis in order to help prioritize the type of analyses needed to inform the model. (Analyses – Performance of Estimator; Long term trend analyses: age-0 Chinook salmon; Flow/Timing analysis for Flow scheduling). Hypotheses of critical dates toward developing a metric, available data and data needs for model development were discussed. The TMC provided guidance on DSS and Fish Production: just focus on the upper 40. Informational needs were discussed. There may be coarse ways to deal with habitat and things downstream just for now to build the structure of the model. The fish work group provided feedback to Bill Pinnix (USFWS) on the top priorities for synthesizing past rotary screw trap data, including limiting the analysis to age 0 chinook, testing performance of the estimator, estimating population size, and hatchery contribution. Seth advised only analyzing more recent data and not developing relationships to the flow based abundance index for prior years. Bill Pinnix then provided a rough timeline for the analysis.

TRRP goals memo

Document: Origin of Trinity River Restoration Program Salmon and Steelhead Goals. The group discussed the context of the memorandum and the origin of the escapement goals. The contents of the memorandum were reviewed at length, comments added and some edits made. Robin Schrock joined the discussion and gave suggestions on how information in the memo should be presented and how the response should be articulated. Additional references and additional information were added. It was concluded that the document will be more of a literature review but that it also needs to say something conclusive. The document will be provided to the TMC, and the TMC will be asked to give the FWG direction on whether or not new analyses should be performed to develop new goals, examine current or anticipated capacity, conflicts with other regulatory or management actions, etc.

Metric for TRRP fish objectives

The group ran out of time to discuss this item. It was suggested that workgroup members go through the list and each person take one or two items to work on, then come back to the group with your ideas. Action Item: to send out the old list.

Age-length relationships

Steve presented a draft of data run through a mixdist package, recommended by Hankin. The potential utility of this package was discussed, and how it might be integrated into what is

already being done. The program was able to discern the modes for half pounders, adult steelhead that had the half pounder life history, and adult steelhead that did not exhibit the half pounder life history. The group discussed that further analysis would be useful to determine if use of this program could reduce or eliminate costs for scale reading and length-age projects funded by TRRP.

2014 FWG tasks to review

The group ran out of time to discuss this item.

Adjourn 3:05

Attached documents:

Draft Long Term Trinity River rotary screw trap data Analyses.docx
Summer 2014 AOW Modeling - May 27, 2014-1.docx

Draft Fish Work Group

Wednesday, June 11th

09:30 am to 3:00pm

TRRP office or Teleconference - WebEx

Meeting Agenda

Coordinator/Facilitator:	**Seth Naman**
Desired Outcomes:	1. Review and comment on TRRP goals memorandum 2. Review hatchery reach memo/metrics 3. Review metrics and assign tasks for advancing objectives that have no metrics or ones that need to be refined. 4. Prioritize outmigrant synthesis list 5. Outline next steps and tasks for FWG
Background/Audience	• Review: Goals memo (Seth to send out), hatchery reach memo (Seth to send out), 2014 modeled temps, outmigrant synthesis list, FWG objectives and metrics-. • Audience: Internal TRRP Technical Workgroup Members (Multi-Disciplinary)

Agenda Items

WebEx Call-in/Log-in Details

Topic: Fish Work Group meeting; Date: Wednesday, June 11th; Time: 09:30am – 3:00pm, Pacific Time

1. Go to https://trrp.webex.com/trrp/j.php?MTID=m5068d1f1ade0cd8f07f7a5961b2f1e17
2. If requested, enter your name and email address.
3. If a password is required, enter the meeting password: Abc123!
4. Click "Join".

To view in other time zones or languages, please click the link:
https://trrp.webex.com/trrp/j.php?MTID=m97ffd20d8f4aee5c36cf4fccfbbe0365

Call-in toll number (US/Canada): 1-408-792-6300
Access code:571 953 116

Time	Topic	Presenter
09:30	Agenda review	Seth
09:45	Hatchery reach memorandum review and PNI metrics for spawning habitat enhancement	Seth
10:30	TRRP goals memo	Seth
11:15	Metrics for TRRP fish objectives	Group
12:00	Lunch	
12:45	Prioritize outmigrant synthesis list to best meet Program and DSS support needs	Tim/Bill P.
1:45	Fish production model update	Joe
2:00	2014 Trinity temperatures/carryover storage	Seth
2:15	Age-length relationships	Steve
2:30	2014 FWG tasks review	Seth
3:00	Adjourn	