

**Chelan River Fishery Forum (CRFF)  
Conference Call Meeting Minutes**

**Date: April 3, 2013  
Time: 10:00 am – 12:00 noon  
Location: Chelan PUD Headquarters, Wenatchee  
Second Floor Conference Room**

**Call in number: 1-877-668-4493, Access Code is 23151435.**

Meeting called by: Jeff Osborn, Chelan PUD

Note taker: Debby Bitterman

***Attending CRFF Members***

<u>Name</u>	<u>Agency</u>	<u>Phone</u>	<u>Email</u>
Graham Simon	WDFW	509-662-0503	Graham.Simon@dfw.wa.gov
Travis Maitland	WDFW	509-665-3337	Travis.Maitland@dfw.wa.gov
Charlie McKinney-phone	Ecology	509-457-7107	cmck461@ecy.wa.gov
Pat Irlle	Ecology	509-454-7864	Pirle461@ecy.wa.gov
Brad Caldwell-phone	Ecology	360-407-6639	brca461@ecy.wa.gov
Jim Pacheco-phone	Ecology	360-407-7458	jpac461@ecy.wa.gov
Phil Archibald	LCSA	509-784-2471	kim.l.lohse@gmail.com
Bob Geodde	City of Chelan	509-682-8018	mayor@cityofchelan.com
Jeff Osborn	Chelan PUD	509-661-4176	jeff.osborn@chelanpud.org
Steve Hays	Chelan PUD	509-661-4179	steve.hays@chelanpud.org

Meeting Purpose: Meeting of the Chelan River Fishery Forum to continue Lake Chelan license Implementation

**Minutes**

Jeff Osborn welcomed everyone to the Chelan River Fishery Forum (CRFF) meeting and made known that voice recording of the meeting was initiated for note-taking purposes only.

Jeff reviewed the agenda with the CRFF.

After good discussion, the CRFF suggested the following changes/additions to the Chelan River Biological Objectives 2013 Status Report:

**Report Edits and Additions**

1. Table 1-1. Change verbiage from “Will achieve” to “Expect to achieve.”
2. Table 1-1. Add space or dash between “Achieved.” and “2 acres...” for Chinook and steelhead spawning habitat categories.
3. Section 2.2: Add discussion describing that small gravel is a limiting factor for steelhead spawning and there appears to be a limited supply of smaller gravels in the Habitat Channel. Phil suggested mentioning it in Section 2.2, but having the full discussion in Section 5.4 would be a location that is more appropriate.
4. Section 2.3: Steve will be producing a “stand-alone” document for the redd protection investigation, so condense discussion in this document.
5. Page 9: Add table of Chelan powerhouse operations and changes in dissolved oxygen. Add labels (mg/L, Flow) to axes in Figure 2-1.
6. Page 10: Add summary of next steps and reference new study plan for intra-gravel DO investigation that will be developed for 2013-14.
7. Section 2.5: Add 100 eggs per cylindrical egg tube (CET) in text.
8. Table 2-3: Add 2012-2013 data.
9. Section 3: Add link to this years’ snorkel survey data.
10. Section 5.3: Include before and after photos of Habitat Channel and riparian vegetation. Reach 1, too? Add link to photos?

### Pat Irle

1. Include temperature data in report in section 5.1. Insert graph for comparison of actual temperature daily maximum versus numeric standard. Use one station below the dam and one in Reach 4. Include cutthroat temperature tolerance reference from literature.
2. Provide better description in text of why we expect to achieve Biological Objectives in table 1.1.
3. Add in report that we may want to test altering spawning flows – reduce pumped flow for steelhead spawning.
4. Include updated Monitoring and Evaluation foldout diagram from Chapter 7 in an Appendix.

### Travis Maitland

1. Mention spawning survey frequency (1 per week). Describe methods. Add the weekly survey data to the appendix.

### Brad Caldwell

1. Page 7: Add a graph of redd survey data. Plot number of redds by year with arrow indicating new tailrace habitat enhancement available in 2008 and Habitat Channel in 2009.
2. Page 7: Add a sentence explaining that Wells stock Chinook use deep spawning habitat.

### Notes and General Comments

### Phil Archibald

1. For assessing Reaches 1 and 2, use Rosgen methods to characterize existing conditions to compare to expected conditions based on Rosgen classifications.
2. Provided name of an invertebrate taxonomist, Paul James (Cascade Aquatics) at Central Washington University for potential benthic sample analysis. Suggested preserving benthos in Lugol's solution.
3. For cutthroat stocking proposal, include fish salvage data from previous years for estimating potential productivity/colonization of the Chelan River.

### Action Items:

- Steve Hays will measure depths, water velocities, and substrate size on steelhead redds constructed in the Chelan Habitat Channel.
- Chelan River Biological Objectives 2013 Status Report schedule:
  - April 19: CRFF comments due to Chelan PUD
  - April 30: Chelan River Biological Objectives 2013 Status Report submittal due to FERC
- Brad Caldwell will contact Jeff and let him know the date of Ecology's Chelan River site visit.
- Jeff will submit a hydro access request for Brad and his crew.
- Jeff will check on the status on the "sediment basin clean-out" permit.
- Steve Hays will update the PowerPoint presentation showing steelhead spawning locations.
- Steve Hays will prepare a 2013-14 study plan for intra-gravel DO and egg –fry survival studies

### Next Steps:

Potential agenda items for the next CRRF meeting occurring 2013 June: 1) discuss cutthroat stocking in Reaches 1-2 proposal; 2) review sediment basin cleanout issue; and 3) review intra-gravel DO study plan.