

Memo of Teleconference

To: Public Files
From: Adam Beeco
Date: January 14, 2015
Dockets: P-12496-002
Project: Lassen Lodge Hydroelectric Project

Subject: Telephone conference between Commission Staff and stakeholders to inform study plan for aquatic resources.

On January 8, 2015, Claire McGrath of the Commission's staff participated in a telephone conference organized by the California's State Water Resources Control Board (Water Board) to discuss methodology for the aquatic resource studies for the Lassen Lodge Hydroelectric Project. Organizations participating in the meeting included California Department of Fish and Wildlife, U.S. Fish and Wildlife Service, Tehama County, National Marine Fisheries Service, and Rugraw, LLC (the applicant).

Commission staff is using this meeting to inform its study approval letter for the aquatic study plans file December 3, 2014. Results from the consultation meeting specifically include:

- Applicant will prepare a proposal for sampling channel dimensions at one or more additional flow levels to better inform hydraulic geometry relationships at flows being considered for project operations
- Applicant will clarify where minimum flows are measured and whether those flows are maintained as surface flows throughout the bypassed reach
- Applicant will provide additional information to describe potential project impacts to all species and life stages that may be present, in particular accounting for flexible life history strategies of steelhead

The two attachments below include: 1) the sign-in for all meeting attendees and 2) an email thread with the summary of the resulting meeting objectives.

January 8, 2015

Lassen Hodge Project MeetingNAMEphoneemail

<u>NAME</u>	<u>phone</u>	<u>email</u>
Susan Monheit	916/341-5341	susan.monheit@waterboards.ca.gov
MATT MYERS	530-225-3846	MAT.MYERS@WILDLIFE.CA.GOV
CHARLIE KUFFNER	415-652-8553	CHARLIE.KUFFNER@GMAIL.COM
JOHN HENDERSON	916-414-6595	john.henderson@fws.gov
ROBERT HALPIN	530-527-2200	rhalpin@co.tehama.ca.us
Bill Foster	916 9303617	William.Foster@noaa.gov
Peter Barnes	916 445-9989	Peter.Barnes@waterboards.ca.gov
ERIN RAGAZZI	916.322.9639.	ERIN.RAGAZZI@WATERBOARDS.CA.GOV
Will Anderson	916-323-9388	wanderson@waterboards.ca.gov
Nicole De La Mora	916-319-8202	ndelamora@waterboards.ca.gov
Tim Wood	530-385-1462 x 3016	timwood@tcpw.ca.gov
Michelle Lobo	916-327-3117	michelle.Lobo@waterboards.ca.gov
Den Worth	916-341-5324	daniel.Worth@waterboards.ca.gov
Phil Leapley	916-854-4505	phillip.leapley@tetratech.com
Jim Tompkins	530-246-0103	bjgowie@sbcskba.net
Jason Tompkins	530-604-1455	jtompkins@mail.csuchico.edu
Daniel Schultz	916-323-9392	daniel.schultz@waterboards.ca.gov
phone Claire McGrath (FERC)	202-502-8290	Claire.McGrath@ferc.gov
phone John Wooster (NOAA-NMFS)	916-930-3616	john.wooster@noaa.gov



RE: Lassen Lodge Hydroelectric Project 1-8-2015 Meeting

Worth, Daniel@Waterboards <Daniel.Worth@waterboards.ca.gov>

Fri 1/9/2015 12:05 PM

To: Lobo, Michelle@Waterboards <Michelle.Lobo@waterboards.ca.gov>; Barnes, Peter@Waterboards <Peter.Barnes@waterboards.ca.gov>; Monheit, Susan@Waterboards <Susan.Monheit@waterboards.ca.gov>; Ragazzi, Erin@Waterboards <Erin.Ragazzi@waterboards.ca.gov>; Schultz, Daniel@Waterboards <Daniel.Schultz@waterboards.ca.gov>; Anderson, William@Waterboards <William.Anderson@waterboards.ca.gov>; DeLaMora, Nicole@Waterboards <Nicole.DeLaMora@waterboards.ca.gov>; Charlie Kuffner (charlie.kuffner@gmail.com) (charlie.kuffner@gmail.com) <charlie.kuffner@gmail.com>; h2owiz@sbcglobal.net <h2owiz@sbcglobal.net>; Leapley, Phillip (Phillip.L leapley@tetrattech.com) <Phillip.L leapley@tetrattech.com>; stevec@fishsciences.net <stevec@fishsciences.net>; Steve Cramer <steve@fishsciences.net>; Myers, Matt@Wildlife <Matt.Myers@wildlife.ca.gov>; Chetelat, Guy@Waterboards <Guy.Chetelat@waterboards.ca.gov>; William Foster (william.foster@noaa.gov) <william.foster@noaa.gov>; ecobrewski@yahoo.com <ecobrewski@yahoo.com>; John Wooster - NOAA Federal (john.wooster@noaa.gov) <john.wooster@noaa.gov>; Henderson, John (john_henderson@fws.gov) <john_henderson@fws.gov>; jkm8@pge.com <jkm8@pge.com>; Howell, Virginia (Virginia.Howell@tetrattech.com) <Virginia.Howell@tetrattech.com>; Sean Moore (SMoore@co.tehama.ca.us) <SMoore@co.tehama.ca.us>; Robert Halpin (RHalpin@co.tehama.ca.us) <RHalpin@co.tehama.ca.us>; gantone@tcpw.ca.gov <gantone@tcpw.ca.gov>; Wood, Tim@TCPW@DOT <timwood@tcpw.ca.gov>; Claire McGrath <Claire.McGrath@ferc.gov>; Adam Beeco <Adam.Beeco@ferc.gov>; jtompkins4@mail.csuchico.edu <jtompkins4@mail.csuchico.edu>; Mike Deas (Mike.Deas@watercourseinc.com) <Mike.Deas@watercourseinc.com>; steve.edmondson@noaa.gov <steve.edmondson@noaa.gov>; Rossi, Elisabeth@PGE <EBR8@pge.com>; tricia_parker@fws.gov <tricia_parker@fws.gov>; Deborah Giglio (deborah_giglio@fws.gov) <deborah_giglio@fws.gov>;

All,

I would like to clarify that last item, which was one that I had brought up. The point I was trying to make is-- when evaluating impacts to fish species there needs to be a month by month evaluation of potential project impacts to all species and life stages which are potentially present. The idea of the "bottleneck" does not work when evaluating an anadromous species, especially steelhead which display extremely flexible life strategies. Also, I would recommend that results of impact evaluations are at minimum shown in exceedance plots/tables for baseline and alternatives, because these show both frequency and magnitude of expected changes.

Daniel Worth
Senior Environmental Scientist (Specialist)
Division of Water Rights, Special Projects Unit
State Water Resources Control Board
Telephone (916) 341-5324
daniel.worth@waterboards.ca.gov

From: Lobo, Michelle@Waterboards

Sent: Thursday, January 08, 2015 4:27 PM

To: Barnes, Peter@Waterboards; Monheit, Susan@Waterboards; Ragazzi, Erin@Waterboards; Schultz, Daniel@Waterboards; Anderson, William@Waterboards; Worth, Daniel@Waterboards; DeLaMora, Nicole@Waterboards; Charlie Kuffner (charlie.kuffner@gmail.com) (charlie.kuffner@gmail.com); h2owiz@sbcglobal.net; Leapley, Phillip (Phillip.L leapley@tetrattech.com); stevec@fishsciences.net; Steve Cramer; Myers, Matt@Wildlife; Chetelat, Guy@Waterboards; William Foster (william.foster@noaa.gov);

ecobrewski@yahoo.com; John Wooster - NOAA Federal (john.wooster@noaa.gov); Henderson, John (john_henderson@fws.gov); jkm8@pge.com; Howell, Virginia (Virginia.Howell@tetrattech.com); Sean Moore (SMoore@co.tehama.ca.us); Robert Halpin (RHalpin@co.tehama.ca.us); gantone@tcpw.ca.gov; Wood, Tim@TCPW@DOT; Claire McGrath (Claire.McGrath@ferc.gov); Adam Beeco; jtompkins4@mail.csuchico.edu; Mike Deas (Mike.Deas@watercourseinc.com); steve.edmondson@noaa.gov; Rossi, Elisabeth@PGE; tricia_parker@fws.gov; Deborah Giglio (deborah_giglio@fws.gov)

Subject: Lassen Lodge Hydroelectric Project 1-8-2015 Meeting

Hi all,

Thank you all for a great meeting! Attached is the supplemental information from the applicant/consultant and the sign-in sheet.

Major Action Items:

- Applicant/Consultant to prepare a proposal for sampling
- Applicant/Consultant to respond to FERC's question about how the hyporheic exchange/subsurface flow affects spawning in the proposed bypass reach (Claire – did I get your question right?)
- Applicant/Consultant to account for fish moving downstream (parr as subyearlings)

If I have missed an item or an item needs clarification, please email the item/clarification to the entire group. Thanks!

Sincerely,
Michelle Lobo
Environmental Scientist
State Water Resources Control Board
Division of Water Rights
Water Quality Certification Program
Office Phone: (916) 327-3117
Office Fax: (916) 341-5400



Document Content(s)

Memo_Teleconference_1_13_2015.PDF.....1-4