



SUSITNA-WATANA HYDRO

Meeting Notes Fish and Aquatics Fish Passage Technical Workgroup Meeting #3a – Regular Update July 09, 2013

LOCATION: Web Meeting

TIME: 8:00 am – 10:00 am (AKST); 9:00 am – 11:00 am (PST)

SUBJECT: Fish Passage Technical Workgroup Meeting #3a – Regular Update

GOAL: Regularly scheduled interim check-in meeting

PARTICIPANTS: *Fish Passage TWG Attendees:* Betsy McGregor AEA, Dana Postlewait R2, MaryLou Keefe R2, Tim Sullivan R2, Chick Sweeney Alden Labs, Ed Meyer NMFS, Stormy Haught ADF&G, Ed Zapel NHC, Catherine Berg USFWS, Sue Walker NMFS, Dan Turner R2, Dana Schmidt Golder, Graham Hill NHC

Other Attendees: Steve Padula McMillen, Kathryn Peltier McMillen, Justin Crowther AEA

This meeting was a regularly scheduled check-in amongst the Fish Passage Technical Workgroup, the fourth such check-in meeting and the second since the April 9-10 Fish Passage Technical Workshop (Workshop #1). These meeting notes are intended to give a brief overview of discussions, review the status of prior action items, and identify new action items. Active action items from this meeting as well as those not completed from previous meetings are provided in a table at the end of this document; a copy of the agenda is also attached. Completed action items and “parking lot items” are included in separate tables, also following these meeting notes. After introductions, Steve Padula began the meeting by presenting the agenda.

Previous Meeting Note Review

On June 24, 2013 the previous meeting notes were distributed for attendees’ review. The NMFS representatives indicated that they would be conferring internally but did not anticipate any comments on the meeting notes.

Action Item Review

Dana Postlewait reviewed the status of action items identified during the May 21st TWG #4. Action items are listed in the tables below. Red text indicates updates to previous action items still considered active.

Information Needs Table

Tim Sullivan led a review of the Information Needs Table (Rev 4, dated May 16, 2013). The updates and edits to the appendices referenced in the table are not completed for all of the appendices. The attendees agreed that it would be most useful to wait until all appendices are completed before distributing to the group. The next major update will occur at least two weeks prior to the September 17-20, 2013 site visit. An addendum to this update will be planned for early January to have a more complete product for the March 18-19, 2014 brainstorm workshop, which

will allow for incorporation of any updates prepared after this field season, and other information that becomes available that will assist this group.

An additional two weeks was provided for FP TWG members to review the Information Needs Table. Any correspondence regarding suggested edits should be sent to Dana Postlewait and CCed to Betsy McGregor by July 23, 2013.

Site Visit Logistics

The site reconnaissance dates have been confirmed as September 17-20, 2013. Dana Postlewait informed attendees that it may be useful for them to review the aerial videos prior to the trip. Dana said that he will provide any relevant data that is available from the 2013 field season during the scheduled meeting times in Talkeetna. Two weeks prior to the trip, multiple items will be distributed to the fish passage team as noted above. These are detailed in action item 07.09-01. Two days prior to the trip, Dana Postlewait will review the weather conditions and coordinate with Betsy McGregor to determine the feasibility of flying. If conditions are not favorable for flying, the trip may be rescheduled to "Plan B" or postponed for a future date. Notification will be made by e-mail. Agency members are responsible for procuring their own lodging and travel. AEA members and consultants will arrange lodging through AES at the Talkeetna field camp.

The detailed schedule was discussed as presented below. No concerns were expressed.

Plan A – Good Weather

1. Tuesday, Sept 17 – travel day
 - a. Fly to Anchorage
 - b. Drive to Talkeetna
 - c. Potential for an informal group dinner
 - d. Overnight in Talkeetna
2. Wednesday, Sept 18 – site tour (weather allowing)
 - a. Tour the site via helicopters, AEA will arrange for travel and will accommodate federal personnel travel requirements. This will take about 4 to 5 hours if the weather allows.
 - b. Debrief in a conference room
 - c. Overnight in Talkeetna
3. Thursday, Sept 19
 - a. Meet in a conference room to debrief and share ideas. Plan on 4 hours.
 - b. Drive back to Anchorage
 - c. Overnight in Anchorage (or fly out if standby seats are available)
4. Friday, Sept 20
 - a. Travel home

Plan B – Can't fly Wednesday due to Weather

1. Tuesday, Sept 17 – travel day
 - a. Fly to Anchorage
 - b. Drive to Talkeetna
 - c. Potential for an informal group dinner
 - d. Overnight in Talkeetna
2. Wednesday, Sept 18 – If can't fly due to weather
 - a. Meet for the day in a conference room
 - i. Discuss flight plans and trip needs
 - ii. Discuss updated material

- iii. Informal brainstorm with initial concepts. Goal will be to record initial ideas, discuss criteria, site access, etc., and record ideas to help initiate the formal brainstorming session planned for next March.
- b. Overnight in Talkeetna
- 3. Thursday, Sept 19 – Site Tour (weather allowing)
 - a. Tour the site via helicopters, AEA will arrange for travel and will accommodate federal personnel travel requirements.
 - b. Short debrief in a conference room
 - c. Drive back to Anchorage
 - d. Overnight in Anchorage (or fly out if standby seats are available)
- 4. Friday, Sept 20
 - a. Travel home

Study Schedule

Dana reviewed a proposed schedule which included modifications that shifted the planned site visit to September and shifted the brainstorming session into early March 2014. The detailed schedule updated per this discussion is provided below.

An updated study schedule (Gantt chart) and meeting list is attached.

Brainstorm Meeting

A brainstorm meeting is scheduled for March 18-19, 2014 in the MWH Bellevue, WA offices. Dana Postlewait explained the importance of being in person for any active TWG member. Sue Walker mentioned Dara Glass' (CIRI) opposition to holding meetings outside of Alaska. Betsy McGregor will contact CIRI on this issue.

Additional Discussion

The FP TWG agreed there was no need to schedule another meeting prior to the September site visit. If something unexpected occurs, it will be communicated by e-mail.

ID	Active Action Items	Date Due	Responsibility	Distribution	Notes
04.09-06	Distribute report on glacial lakes study, if one was produced.	1/2/2014	D Schmidt; AEA	Email to study leads. Post after review. Potentially available on ARLIS (http://www.arlis.org/resources/susitna-watana/)	7.9.13 - Dana Schmidt will reach out to Siberia and Scandinavia
04.09-07	Rob Plotnikoff to request John Hamrick provide some background information on simulating reservoirs and fish movements based on past experience.	Pending	Rob Plotnikoff	Update for next meeting	7.9.13 – MaryLou K and D Postlewait will follow up with Rob Plotnikoff.
04.09-09	Need guidance from Wayne/AEA on how run of river scenario will be handled; and importantly when some scenarios with environmental flows will be available to be modeled and available to the FPTWG (in between run of river and maximum load following).	See 05.21-02	W Dyok		
04.09-11	Determine when reservoir ice study will have some results to report to the Fish Passage group, or at least some findings of preliminary observations, particularly effects of ice formation and breakup at tributary mouths in reservoir.	Prior to next meeting	Rob Plotnikoff		7.9.13 – MaryLou K and D Postlewait will follow up with Rob Plotnikoff.
04.09-12	Distribute synthesis book to hand out before July 8-12 site visit. [now planned for Sept 17-19]	9/3/2013	Dana Postlewait, Dennis Dorratcague, Tim Sullivan	Planned for email and posting Susitna-watanahydro.org	To be distributed by September 3, 2013 (2-weeks prior to site tour).
04.09-13	Request wind speed data in excel file format to assist in estimating wave heights/loads	9/3/2013	Dennis Dorratcague	Dennis will work with John Haapala	

ID	Active Action Items	Date Due	Responsibility	Distribution	Notes
04.10-01	Update biological appendices to account for other target species added to Target Species list (those added into Table 1- No. B1 Biological Data Needs)	9/3/2013	MaryLou Keefe, Tim Sullivan	Nuisance species is another list and to date we have not included periodicity type information on those nuisance species.	
04.10-02	Fix appendix B2 to note lake trout are native	9/3/2013	Tim Sullivan		
04.10-03	Clarify Table B3 headings/categories and if appropriate update periods.	9/3/2013	Tim Sullivan	If needed follow up with smaller group of Stormy Haight, Jeff Davis, MaryLou Keefe.	
04.10-05	Take out Adult Chinook relative abundance bulleted item in the B7 slide (on relative abundance)	9/3/2013	Tim Sullivan	At request of Jeff Davis and Sue Walker – not really needed	
04.10-06	Create combined table to address design criteria information for B3-B6 for target species	9/3/2013	Tim Sullivan, MaryLou Keefe		
04.10-07	Obtain Chick Sweeney's input to Evaluation of Alternatives Matrix	9/3/2013	Chick Sweeney, Tim Sullivan, Dana Postlewait		Chick will provide draft to Dana Postlewait and Tim Sullivan by 8/26/2013. Tim and Dana to add to 9/3/2013 distribution package.
04.10-08	Biological Performance Tool to be populated/created as straw man	1/2/2014	Tim Sullivan, Phil Hilgert	For review at brainstorming meeting.	See updated schedule.
04.10-09	Compile available mapping of tributaries with plan/profile information to extent possible prior to the workshop	9/3/2013	Dennis Dorratcague, Dana Postlewait	For review/use at brainstorming meeting.	Expect this will be updated following site tour to prepare for brainstorm session in March, 2013.
05.21-02	AEA to follow up off-line with B. Long and S. Walker regarding operational scenarios (related to 04.09-9).	7/9/2013	Wayne Dyok	Phone call	Sue Walker will remind Wayne 7/9/2013 call.
05.21-03	AEA to follow up with Rob Plotnikoff regarding the timing/availability of ice modeling results	9/3/2013	Betsy McGregor	Update for next meeting	Betsy emailed Rob 7/9/2013

ID	Active Action Items	Date Due	Responsibility	Distribution	Notes
05.21-06	Rework schedule/meeting list including 7/9/13 check-in and March 18-19, 2014 brainstorm session	7/15/2013	Dana Postlewait	Email	Done - Distributed with draft Meeting Notes on 7/23/2013
07.09-01	Materials to be distributed 2 weeks prior to site visit <ul style="list-style-type: none"> - AI 04.09-12 - AI 04.10-04 - AI 04.10-07 - AI 04.10-09 - Information Needs Appendices - Safety/gear requirements for site visit - Workbook 	9/3/2013			
07.09-03	Review of the Information Needs Table	7/23/2013	FP TWG	Email to Dana Postlewait, with cc to Betsy McGregor.	R2 and MWH will consider comments for update to Table, to be distributed on 9/3/2013.
07.09-04	Contact CIRI regarding their concern with AEA hosting meeting outside of Alaska	9/18/2013	Betsy McGregor	Update for next meeting	
07.09-05	Confirm additional Fish Passage "other participants and contacts" <ul style="list-style-type: none"> - Eric Rothwell (NMFS) - CIRI - FERC - NGOs (see AI 07.09-06) 	9/18/2013	Betsy McGregor	Update for next meeting	
07.09-06	Review previous fish passage meeting for attending NGOs to potentially add to the Fish Passage "other participants and contact"	9/18/2013	Betsy McGregor, Wayne Dyok	Update for next meeting	
07.09-07	Confirm site tour travel is feasible based on latest weather.	9/16/2013, by 17:00 ADT	Dana Postlewait	Email to meeting attendees	Dana Postlewait will confirm feasibility of helicopter travel based on latest weather forecast, and coordinate with Betsy McGregor.

<u>ID</u>	<u>Parking Lot Item</u>	<u>Date Noted</u>	<u>Responsibility</u>	<u>Distribution</u>	<u>Notes</u>
02.22-01	Identify Strategy Statement (e.g., Senate Bill; PAD)	3/31/2013	AEA	Will be in FSP, ISR	
02.22-02	Clarify meaning of "retrofit" with space/time components	3/8/2013	R2	Will be in FSP and ISR	
02.22-06	Include discrepancies in data to information table	3/8/2013	R2	Will be in final product.	
04.10-04	Add a series or component to the Information Needs table that relate to management considerations of the target species (policy information on species management or how to handle nuisance species)	9/3/2013	Dana Postlewait, Stormy Haught	Stormy to go back to ADF&G staff and try and get more information on what might be policy considerations that could be identified. Dana going to draft template for June 24, 2013.	ADF&G finds it is premature to comment. They prefer 1-2 years of field data before considerations are made. - parking lot item 07.09-02 created
07.09-02	ADF& G policy information on species management or how to handle nuisance species	7/9/2013	Dana Postlewait, Stormy Haught	ADF&G finds it is premature to comment. They prefer 1-2 years of field data before considerations are made.	ADF&G will comment in year 2015 after field data is available.

ID	Completed Action Items	Date Completed	Responsibility	Distribution	Notes
02.22-03	Confirm next meeting location	3/8/2013	AEA		Done. Next meeting will be held in Bellevue, WA. Future meetings will be held at most cost-effective locations.
02.22-04	Data needs table: Input from TWG on list of items	3/8/2013	All participants		
02.22-05	Add changes in spawning and rearing habitat in proposed inundation zone to data needs table	3/8/2013	R2		
02.22-07	Produce/distribute communications protocol from PAD (cc: Betsy, Ed, Sue)	3/8/2013	McMillen		Done 3/8/2013.
02.22-08	Standing agenda item for agendas – review and approve previous meeting notes and future meeting schedule	NA	NA		
02.22-09	Follow-up with others re: future participation in TWG; FERC (AEA), EPA (Catherine Berg), NGOs (AEA), ADF&G (AEA), FWS (Sue Walker), ADNR (Marie Steele), Jan Konigsberg (AEA)	3/20/2013	AEA, Catherine Berg, Marie Steele	Email	
02.22-10	Meeting protocol – summarize action items, decisions, parking lot items	NA	NA		
02.22-11	Identify other fish passage at high head dam experts	3/20/2013	MWH, R2, Ed Meyer		Done 3/20/2013.
02.22-12	Issue updated meeting and workshop calendar (Gantt chart)	3/20/2013	R2	FP TWG email	Done 3/20/2013.
02.22-13	Provide a list of all Susitna River species and life stages. Provide rationale of species not considered to travel to dam site	3/26/2013	R2	Website: Meeting Materials for April 9 and 10; Listserve email	
02.22-14	Distribute updated data needs table and data synthesis to TWG	3/26/2013	R2	Website: Meeting Materials for April 9 and 10; Listserve email	Done 3/26/2013.
02.22-15	Provide a list of all Susitna River species and life stages. Provide rationale of species not considered to travel to dam site	3/26/2013	R2		Done 3/26/2013.

ID	Completed Action Items	Date Completed	Responsibility	Distribution	Notes
02.22-16	Distribute sample biological tool spreadsheet and description of tool	3/26/2013	R2	Website: Meeting Materials for April 9 and 10; Listserve email	Done 3/26/2013.
02.22-17	Presentation of videography at first workshop	4/9/2013	AEA	April 9 and 10, 2013 FP TWG	
03.20-01	Distribute MSWord document of 2/22/13 meeting notes to attendees for edits	3/20/2013	Kathryn Peltier	Email	Done. Betsy McGregor distributed to FP TWG 3/22/2013.
03.20-02	Create an archive list of completed action items	3/20/2013	Kathryn Peltier	Email	Done. Distributed to FP TWG 4/8/2013.
03.20-03	Update communication protocol and distribute	3/22/2013	Kathryn Peltier	Email	Done. Distributed to FP TWG in 3/20/2013 mtg notes on 4/8/2013.
03.20-04	Distribute list of all Fish Passage team members	3/22/2013	Kathryn Peltier	Email	Done. Distributed to FP TWG on 4/8/2013.
03.20-05	Provide Ed Meyer with Dana Schmidt's resume	3/21/2013	MaryLou Keefe	Email	Done. MaryLou Keefe sent to Ed Meyer 3/21/2013.
03.20-06	Review Dana Schmidt's and Chick Sweeney's resumes as high head dam fish passage experts	3/22/2013	Ed Meyer	Email	Done.
03.20-07	Add to applicable entrainment reference in the data needs table	3/26/2013	MaryLou Keefe	Data Needs Table	Done.
03.20-08	Include reservoir effects on migration timing is in the data needs table	3/26/2013	MaryLou Keefe	Data Needs Table	Done.
03.20-09	Provide MaryLouise Keefe with a detailed description regarding data needs of trophic cascade information	3/25/2013	Jeff Davis	Email, Data Needs Table	Done 3/26/2013.
03.20-10	Distribute draft Agenda for April 9 and 10 Fish Passage Meeting	3/27/2013	AEA	Website: Meeting Materials for April 9 and 10; Listserve email	
04.09-01	Provide edits to 2/22/2013 FPTWG meeting notes to AEA	Complete. Notes posted	FPTWG 2/22/2013 meeting attendees	Email for edits. Susitna-watanahydro.org	

ID	Completed Action Items	Date Completed	Responsibility	Distribution	Notes
04.09-02	Provide edits to 3/20/2013 FPTWG meeting notes to AEA	Complete. Notes posted	FPTWG 3/20/2013 meeting attendees	Email for edits. Susitna-watanahydro.org	
04.09-03	AEA to discuss its choice of additional fish passage experts with Ed Meyer/Sue Walker	Complete. Added Dr. Al Giorgi to FP TWG	Wayne Dyok	Phone call	
04.09-04	Provide FPTWG Information Needs Table in MSWord	Complete	Betsy McGregor	Email	Dana Postlewait distributed by email for Betsy McGregor.
04.09-05	Include appendix titles in website link description/title	Complete. Posted	Justin Crowther	Susitna-watanahydro.org	
04.09-08	Flow duration data in Excel; data presented today plus totals	Posted	John Haapala, Dennis Dorratcague	Susitna-watanahydro.org	Dennis Dorratcague to reprint with pagination corrected for re-posting.
04.09-10	Find out from Stuart when he will be completed with estimating flows in tributaries to reservoirs and just below dam – when that data will be available to the fish passage study team.	Complete.	MaryLou		Stage data to be collected this year, and stage/ discharge relationships to be developed in 2014 with results available after 2014 season.
05.21-01	Provide remaining edits to April 9-10, 2013 Workshop #1 meeting notes to AEA	5/24/2013	Jeff Davis and Sue Walker	Email	
05.21-04	Provide edits to Information Needs List and update table	Edits to AEA by 6/18/2013	Workshop #1 participants	Betsy McGregor to email MS-Word version participants for editing. Updated table distributed for 7/9/2013 meeting.	Distributed 6/24/2013
05.21-05	Doodle Poll for site reconnaissance	5/31/2013	Dana Postlewait, Betsy McGregor	Email	Completed confirming 9/17-9/20
05.21-07	Draft notes of 5/21/2013 check-in meeting and action items	5/31/2013	Steve Padula, Dana Postlewait, Tim Sullivan	Email	



SUSITNA-WATANA HYDRO

Agenda Fish Passage TWG Fish Passage Meeting #3a 7/9/2013

LOCATION: Web Call

TIME: 8:00 am – 10:00 am (AKDT); 9:00 am – 11:00 am (PDT)

SUBJECT: Regularly scheduled interim check-in meeting for Fish Passage Technical Team

GoTo MEETING: <https://www4.gotomeeting.com/register/800785847>
1-800-315-6338 Code 3957#

Introductions

Meeting Purpose and Objectives

- Regularly schedule interim check-in meeting.
- Plan for site reconnaissance trip

Review May 21 Meeting Items (Meeting #3)

- Review meeting notes and action items
- Review information needs list updates

Discuss preparation for site reconnaissance planned for Meeting #4

- Date confirmed
- Travel logistics
- Review agenda

Review Fish Passage Study Schedule and Next Steps

- Review updated meeting schedule and Gantt chart schedule
- Critical path items

Discuss upcoming Brainstorming Workshop #2

- Scheduled for March 18-19, 2014
- Planning needs