

Willamette Fish Facility Design Work Group

Tuesday, January 5, 2021

10:00 am to 12:00 pm

A WEBEX MEETING

In attendance:

Last name	First Name	Agency	Email
Budai	Chris	NWP	Christine.M.Budai@usace.army.mil
Dunlop	Shari	NWP-ENC-HD	Shari.L.Dunlop@usace.army.mil
Garletts	Doug	NWP-WV	Douglas.F.Garletts@usace.army.mil
Hicks	Jeff	NWP-PM	Jeffrey.T.Hicks@usace.army.mil
Helms	Chad	USACE	Chad.K.Helms@usace.army.mil
Hudson	Michael	USFWS	michael_hudson@fws.gov
Kelley	Elise	ODFW	elise.x.kelley@state.or.us
Khan	Fenton	NWP-PM-E	Fenton.o.khan@usace.army.mil
Laird (formerly Neuenhoff)	Rachel	NWP-PM-E	Rachel.D.Laird@usace.army.mil
Mackey	Tammy	NWP-ODT-F	Tammy.M.Mackey@usace.army.mil
McClain	Nathan	NWP-ODT-F	Nathan.A.McClain@usace.army.mil
Mullan	Anne	NMFS	Anne.Mullan@noaa.gov
Murauskas	Josh	Four Peaks Consulting	jmurauskas@fourpeaksenv.com
Peven	Chuck	EAS	pci@nwi.net
Phillips	Marie	NWP-ENC-HD	Marie.J.Phillips@usace.army.mil
Pierce	Todd	NWP-WV	Todd.M.Pierce@usace.army.mil
Reis	Kelly	ODFW	Kelly.E.Reis@state.or.us
Rerecich	Jon	NWP-PM-E	Jonathon.G.Rerecich@usace.army.mil
Romer	Jeremy	ODFW	Jeremy.D.Romer@state.or.us
Schlenker	Steve	NWP-ENC-HD	Stephen.J.Schlenker@usace.army.mil
Schwabe	Lawrence	Grand Ronde Tribe	Lawrence.Schwabe@grandronde.org
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Spear	Dan	BPA	DJSpear@bpa.gov
Steere	Molly	Four Peaks Consulting	msteere@fourpeaksenv.com
Traylor	Andy	NWP	Andrew.W.Traylor@usace.army.mil
Warner	Kathryn	NWP	Kathryn.L.Warner@usace.army.mil
Watts	Joel	ODFW	Joel.Watts@state.or.us
Ziller	Jeff	ODFW	jeffrey.s.ziller@state.or.us

----- **Web Meeting** -----

<https://usace1.webex.com/meet/fenton.khan>

Conference Call Number if you don't want to log into WebEx:

USA Toll-Free: 844-800-2712

ACCESS CODE: 43376226

Meeting Purpose:

Finalize previous meeting notes. Provide an update on status of active design projects.

Agenda and comments:

1. Final decisions or recommendations made at this meeting.
 - i. Review and approve previous meeting notes.
 - a. Previous meeting in October, minutes already finalized.
 - ii. Group decided to leave monthly meeting on their calendars. Fenton would send out a cancellation notice if there were no updates from the three PDTs.
2. Foster AFF Ladder Improvements PDT:
 - a. Presentation and discussion of the 90% DDR (10:00 to 10:40 21 slides).
 1. Dunlop (PDT Tech Lead) presented a PowerPoint of changes from the 60% DDR to the 90% DDR that will go out to the Agencies for review around mid-January. The changes are focused on the juvenile exclusion screen, debris handling, re-routing of water pipes.
 - a. Mullan (NMFS) asked that timing of fish weir operations (and overlap with FFLIP operation) be included in 90% DDR (10:23). Dunlop – will do.
 2. Kelley (ODFW) – Sound like you plan to draw down the pool for construction in the summer vs. constructing during the routine fall draw down.
 - a. Dunlop – yes. Best time for construction is during summer months when inflows are low, more predictable, and manageable. Want to avoid a situation of the reservoir rising during fall rain events while we have a hole in the dam.
 3. Dunlop – New content for 90% DDR: lower ladder diffusers.
 4. Dunlop – Presented review schedule.

5. Ziller – Asked if they evaluated leaf gate structure for main intake to allow taking water from different elevations for more flexibility with changing pool levels.
 - a. Dunlop – We did look at variable elevation intake designs. They would need to be similar to a water control structure, it would require a box of some kind to receive the water prior to sending it down through the dam, and this greatly increased cost. With two intakes (the current penstock intake which is lower, colder and the proposed intake which is higher, warmer) should allow some temperature control.
 - b. Khan – I will be sending out the 90% DDR for review in mid-January, comments due 30 days later ~ mid-February.
3. Updates on other active design/construction projects.
 - i. Fall Creek AFF – updates.
 - a. Jeff Hicks (NWP) – Pipe lining project. Completed 30” and 24” pipes. 18” requires more work, contractor is modifying equipment to work better. About 100’ more to do, they should be back on site soon.
 - ii. Cougar DSP 2.0 – updates.
 - a. Hicks (NWP) – Received 90% from contractor (Tetra Tech), internal USACE review and BPA review found some missing pieces, working with contractor to update. Big piece: FLAC model/study: Geotechnical analysis of Cougar dam operations at new elevations and effects of wetting and drying to dam risk. Then moving toward targeted risk assessment. Working with contractor to get to 100% report.
 1. Reis – Is “internal alignment of recommendations” to update report technical or policy level?
 - a. Hicks – both. What does it look like if we are to de-authorize hydropower how might that impact other authorizations. Also cost increased a lot from DDR to plans and specs, making sure USACE management is aware as we go through EIS.
 2. Mullan – What is the name of the model? Hicks – Fast Lagrangian Analysis of Continua (FLAC).
 3. Mullan, was is the timeline for 100% report? Hicks – March or April timeframe.
 4. Mullan - Is this the whole basin (Willamette Valley System) EIS or something separate? Hicks – That’s part of the policy discussion,

how this piece fits in or not with the whole valley EIS. Warner – are you asking if the Corps has decided to complete a new (separate) EIS? Cougar 2.0 is really a “what if” question right now and hasn’t moved that far into the process. Fenton – Thanks for the clarification, just want to remind everyone that the Cougar 2.0 team was charged with exploring a “what if?” scenario.

5. Fenton & Hicks – reminded the group of a March to April time frame for WFFDWG review of the report.
4. Discuss the frequency of our regularly schedule meetings.
 - i. Khan – due to the limited number of active PDTs and potentially fewer updates, we decided last fall we may not need to have recurring monthly meetings. Please keep the recurring meetings on your calendar and I will cancel the meeting a week prior to the meeting if the Foster Ladder, Fall Creek, Cougar 2.0 PDTs don’t have anything to discuss or present and send any updates by email in lieu of a meeting.
 - a. Mullan – Could we have a Q & A about today’s Foster Ladder PowerPoint during the scheduled February 2 meeting? There was a lot of information and I was unable to read some labels. Melissa Jundt (NMFS) was unable to make this meeting so maybe we can use the February meeting as a Q&A session. Khan – that sounds good. I will check with the PDT on their availability.
5. Next Steps
 - i. Next WFFDWG meeting currently scheduled for February 2.