

## MEMORANDUM FOR THE RECORD

Subject: Final minutes for the 03 December 2019 Willamette Fish Facility Design Work Group meeting.

The meeting was held in the Fireside Conference Room, USACE Block 300, Portland, OR. In attendance:

Last name	First Name	Agency	Email
Budai	Chris	NWP	<a href="mailto:Christine.M.Budai@usace.army.mil">Christine.M.Budai@usace.army.mil</a>
Crosley	Sean	NWP	<a href="mailto:Sean.S.Crosley@usace.army.mil">Sean.S.Crosley@usace.army.mil</a>
Hicks	Jeff	NWP-PMF-P	<a href="mailto:Jeffrey.T.Hicks@usace.army.mil">Jeffrey.T.Hicks@usace.army.mil</a>
Hudson	Mike	USFWS	<a href="mailto:michael_hudson@fws.gov">michael_hudson@fws.gov</a>
Janes	Kelly	NWP-PME	<a href="mailto:Kelly.A.Janes@usace.army.mil">Kelly.A.Janes@usace.army.mil</a>
Jundt	Melissa	NMFS	<a href="mailto:melissa.jundt@noaa.gov">melissa.jundt@noaa.gov</a>
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Loffink	Ken	ODFW	<a href="mailto:Ken.j.loffink@state.or.us">Ken.j.loffink@state.or.us</a>
Low	Patti	NWP-ENC-HR	<a href="mailto:Patricia.J.Low@usace.army.mil">Patricia.J.Low@usace.army.mil</a>
Mullan	Anne	NMFS	<a href="mailto:Anne.Mullan@noaa.gov">Anne.Mullan@noaa.gov</a>
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Schwabe	Lawrence	Grand Ronde Tribe	<a href="mailto:Lawrence.Schwabe@grandronde.org">Lawrence.Schwabe@grandronde.org</a>
Steere	Molly	Four Peaks Consulting	<a href="mailto:msteere@fourpeaksenv.com">msteere@fourpeaksenv.com</a>
Tarbox	Erica	NWP	<a href="mailto:Erica.M.Tarbox@usace.army.mil">Erica.M.Tarbox@usace.army.mil</a>
Ziller	Jeff	ODFW	<a href="mailto:Jeffrey.S.Ziller@state.or.us">Jeffrey.S.Ziller@state.or.us</a>

On the phone: Crosley, Hudson, Jundt, Loffink, Pierce, Reis, Schwabe, Steere, and Ziller.

**Meeting Purpose:**

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

1. Final decisions or recommendations made at this meeting.
  - 1.1. The November minutes are approved.
2. All supporting documents for this meeting can be found at:
 

[http://pweb.crohms.org/tmt/documents/FPOM/2010/Willamette\\_Coordination/Willamette%20FPT/](http://pweb.crohms.org/tmt/documents/FPOM/2010/Willamette_Coordination/Willamette%20FPT/).
3. Upcoming Review Dates

Document	Review Dates
Foster Ladder Draft Assessment Report	Comments received
High Head Bypass 30% report	Comments received
Cougar DSP 2.0 50% report	January
Foster DSP 60% Plans and Specs	Late January
High Head Bypass 60% report	Late January
Detroit SWS 60% Plans and Specs	Early Spring

#### 4. Updates on active design/construction projects

##### 4.1. Fall Creek AFF –

- Hicks - Contractor just complete the water jetting. Pipe lining will continue through Dec. with a break for Christmas and continue in January.
- Ziller asked when the lining will be complete. Hicks – end of Feb is the projected date for completion.

##### 4.2. Cougar DSP –

- Tarbox - PDT is working on the 90% P&S, expect it to be ready for agency review by April or May.
- Janes – still hoping to get the FONSI signed by March/April. The EA may have to be updated for the fish release site. No other major updates. Janes will chat with Mullan (NMFS) about questions with the BA.

##### 4.3. Cougar DSP 2.0 –

- Low - The 50% meeting is scheduled for December 12 (0930 – 1430). Block 300. Let Scott Fielding know by Dec 10 if you will be attending in person, so he could get names on the visitors list.
- Low - The 50% report will be ready for agency review by January 5.
- Mullan asked if there will be any read aheads before the Dec 12 mtg. Low said no, but an agenda will be sent out prior to the meeting.
- Mullan asked if the Contractor who is helping with the report will be at the meeting. Low – yes, the Contractor will be at the meeting.

##### 4.4. Detroit Temp Control and DSP –

- Janes - The PDT is working on addressing comments received for the EIS.
- Janes - The release of the ROD will be delayed until late fall. Working on addressing the blasting plan and some other things in the EIS.
- Khan - The SWS 60% P&S is now scheduled for late spring.

##### 4.5. Foster AFF ladder Improvements –

- Budai – Thanked everyone for the review and comments on the 90% report.
- Budai – The PDT will start the DDR in January. DDR will be ready for review by March.
- Budai – PFMA completed (dam safety) for drilling a hole through the dam. Results are being compiled. The PFMA did not find any showstoppers, but there are some details to be worked out.
- Budai – A SAR (safety assurance review) will have to be completed. SAR is an external review of the PFMA. The SAR will be contracted out and expect to award by January.

- Mullan asked is the funding for the ladder improvements is in the FY21 budget. Budai said the PDT will be working on P&S in 2021, so funding for the construction will be in the FY22 budget.

#### 4.6. Foster DSP - Fish Weir Design Improvements –

- Khan - The new Flow 3D software was recently purchased by our hydraulic design office and they are running the model now to get a better understanding of how the plunge pool with the pneumatic gates will work. The model will also inform us on how the stream running down the spillway, with guide walls to keep the stream, will work. We expect the results later in December and will present it at the WFFDWG meeting on Jan 7.
- Khan - PFMA completed (dam safety) for installing the pneumatic gates and guide walls on the spillway. Results are being compiled. The PFMA did not find any showstoppers, but there are some details to be worked out.

#### 4.7. High Head Bypass –

- Khan - We received comments from ODFW on the 30% report. NMFS asked for an extension to Wednesday (12/4). The Corps and Contractor is working on the 60% report and we expect it to be ready for agency review in late January.
- Khan - We conducted the field study of bypass vs truck transport at Green Peter with healthy fish and a small number of partially copepod infected fish in November. This was a feasibility study to inform if we can conduct a full study in 2020. Preliminary results will be presented at the Willamette Science Review in early Feb. However, the study informed us that we can conduct a full study with healthy fish and fully infected fish in 2020.
- Ziller – we still need to keep in mind of the larger population of fish above CGR when considering truck versus bypass. The field studies may not be a good indication of how the larger population will survive. The studies on individual species (Chinook) may not answer questions about the success of a particular fish passage strategy on the entire population of native fish in the South Fork McKenzie. In other words: don't ignore potential effects of a design on other species.

### 5. Next Steps

5.1. Next WFFDWG meeting currently scheduled for January 7 2020.

5.2. Willamette Fisheries Science Review is scheduled for Feb 11-12 2020 at OSU, Corvallis, OR.