

MEMORANDUM FOR THE RECORD

Subject: Minutes for the 07 June 2016 Willamette FPT meeting.

The meeting was held at the Block 300 Lobby Conference Room, Portland OR. In attendance:

Last	First	Agency	Contact information
Brown	Jeff	NOAA Fisheries	
Burchfield	Stephanie	NOAA Fisheries	
Dalgliesh	Jane	NWP	
Eppard	Brad	NWP	
Fielding	Scott	NWP	
Garletts	Doug	NWP-WVP	
Graham-Hudson	Bernadette	ODFW	
Helms	Chad	NWP-WVP	
Johnson	Kim	BPA	
Jundt	Melissa	NOAA Fisheries	
Monzyk	Fred	ODFW	
Myers	Jim	NOAA Science Ctr	
Phillips	Marie	BPA	
Piaskowski	Rich	NWP	
Richards	Natalie	NWP	
Spear	Dan	BPA	
Skiles	Tom	CRITFC	
Tackley	Kathryn	NWP	
Ziller	Jeff	ODFW	

Brown, Eppard, Garletts, Helms, Jundt, Monzyk, Richards, Tackley and Ziller called in.

1. All documents may be found at http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/Willamette_Coordination/Willamette%20FPT/
2. Action Items
 - 2.1. [June 16] Fall Creek Adult Fish Facility. **ACTION:** Richards to share contracting schedule once it is available.
 - 2.2. [June 16] Willamette Valley Turbine Maintenance – platform mounting brackets. **ACTION:** Eppard to send out designs of the new brackets.
3. Status of Willamette Fish Facility design projects
 - 3.1. Fall Creek Adult Fish Facility - Piaskowski said Richards said they will be awarding possibly as early as next week and will begin construction in the fall. Commissioning set for March 2018. Second season will be running the new ladder. Burchfield commented that she would like to see a schedule once the contract is awarded. Brown asked for clarification regarding if there will be passage even during construction and Richards said yes. USACE also indicated they cannot allow funding for FCR to be split across fiscal year budgets. Burchfield is concerned about funding and if it will be pulled from other projects for FCR. She is very concerned that LOP active tag research planned for FY16 gets funded and can go forward and not have to wait until next spring. Richards said that Chane will reply to the Steering Team regarding the funding. Richards stated that specific budget information can't be discussed yet due to a non-disclosure agreement. Burchfield stated that she doesn't want a project that has already been approved de-funded due to FCR. **ACTION** Richards to share contracting schedule when available.
 - 3.2. PFFC – 2016 operation plans – Dalgliesh reported that the trap is in place and fishing. Burchfield asked if there were any additional research projects or studies for the year and Dalgliesh reported that there were not.

3.3. Foster Dam Downstream Passage - Hopefully the packet will go out to the agencies next week. Spear to follow up on status. Dalgliesh reported that the first DDR meeting was to be held on 13 June.

3.4. Detroit Dam Downstream Passage and Temperature Control – Piaskowski said the PDT should resume this fall. (1 October 2016). Spear asked where we left off and Piaskowski said we got to 30% on the temperature portion.

4. Willamette Valley Turbine Maintenance – platform mounting brackets - Eppard reported that when the Corps does annual maintenance on turbines, they must install a platform to work on the turbines and hook brackets were installed in the past to support these temporary platforms. Based on balloon tag studies at Cougar, there was a concern that maybe some of the fish mortality and injury was caused by the fish hitting the brackets which stuck out from the penstock wall. The Corps asked PNNL to review their sensor fish data (from a 2010 study at Cougar?), and those data didn't show incidence of strike at the bracket locations. Nonetheless, the brackets were all removed at Cougar. They are now reinstalling the brackets. They are a conical shape now that protrudes only a couple inches off the wall. There are 6 or 8 around the entire turbine. Burchfield asked about sensor fish data. Eppard said that the tests were conducted at Cougar Dam before and after the removal of the initial brackets and the strike data did not change. Burchfield ask if the conical design has been used elsewhere and Eppard said yes most Corps facilities are using them now. Eppard reported that they are starting with installing these brackets at Cougar and isn't sure of the rest of the schedule or if they are being replaced at every dam. Spear asked again about if there was a difference in fish injury with or without the brackets. Eppard reported that to his knowledge there was not a difference. Spear asked about what a ballpark figure of the cost might be and Eppard didn't know. Burchfield asked for a schedule for this repair action, and requested the Corps coordinate with WFPOM and RME Team so that we can plan studies around any special actions such as turbine shutdowns or reservoir drawdowns. **ACTION:** Eppard to send out designs of the new brackets.

5. Cougar Dam Downstream Passage Alternative Study – Documents posted on the website that contain all the information in detail: Cougar Downstream Fish Passage Alternative Study, Fish Benefits Workbooks – Juvenile Chinook and Steelhead Run Timing, and Cougar Parameter Selection Rationale.

5.1.1. Phillips gave a short presentation of the background of the EDR study and remaining alternatives to be considered as the Corps completes the EDR. The study (EDR) originally began in 2010. The goal was to identify a preferred alternative. Study included 3 structural alternatives; Weir box / collection channel in the temperature control tower, Floating screen structure (Upstream of WTC weirs), and Floating surface collector. Study included 5 operational alternatives. Study identified several potentially feasible structural alternatives. Structural alternatives not feasible within Biop timeframe. Study work was suspended at 75% until the following were accomplished: research studies, modeling performed, COP report completed evaluating a range of alternatives, performance criteria for EDR and DDR completion. Schedule for completion of EDR: May 2016 80% EDR includes new information (RM&E since 2011). Something reviewable in August 2016 90% EDR includes further refinement and justification for selection of preferred alternative. October 2016 EDR complete start DDR. Construction award FY 2020. Construction Complete End of FY 2022.

Ziller asked about other alternatives and suggested a collector located within the temperature control tower. He is concerned that what we have as options won't be

successful and are too much like others that haven't had good success. Ziller's primary concern is with the FSC and pumped flow out in the forebay – that this design is not likely to be successful, and it would be better to take advantage of flow already going through the tower and that fish are already congregating there. The group discussed that a guide structure and increasing flow for attraction would help and may be needed. Burchfield said that the Fish Passage Team and PDT looked at a large range of alternatives in the EDR, including an in-tower alternative. Based on fish behavior at the tower, the PDT concluded that an in-tower alternative would have very low fish collection efficiency. Burchfield asked that the PDT not start the alternatives analysis all over again, because much time and effort had already gone into that work, and she didn't want further delay in completion of this fish passage measure. Piaskowski suggested to Ziller that it would help if he would write down his concerns and ideas to bring to the next Cougar EDR workshop on 29 June.

Monzyk asked if there is any sensitivity analysis being conducted for dam efficiency passage. Piaskowski said that if Monzyk had some information regarding passage then we could use that and run models for the sensitivity analysis. Piaskowski suggested talking more offline about this topic.

Burchfield also asked about the hybrid structure, and indicated that if the hybrid structure went forward, additional work to improve the RO would be needed.

Skiles requested a copy of the COP. Spear said yes. **ACTION:** Ian will send the COP to WFFDWG members.

Graham-Hudson requested a copy of the criteria that the Corps and NMFS developed for Cougar downstream fish passage. Piaskowski said yes, after he gets ok from NMFS on a few remaining redline edits. **ACTION:** Piaskowski will send Cougar criteria to WFFDWG members.

Burchfield asked the Corps to send out materials for WFFDWG to review in advance of the June 29th Cougar workshop so we can have a productive meeting.

6. Next Steps

- 6.1.** Foster EDR Review – DDR to begin 13 June 2016
- 6.2.** Cougar EDR Workshop – June 29th, NMFS office, Portland OR
- 6.3.** WFFDWG meeting, July 12th, ODFW, Salem OR
- 6.4.** WFFDWG meeting August 2nd, NMFS office, Portland OR

6.5. Meeting adjourned at 11:20