CENWP-OD 25 November 2014

MEMORANDUM FOR THE RECORD

Subject: DRAFT minutes for the 25 November 2014 Willamette FPT meeting.

The meeting was held at Commission Room, ODFW HQ. 4034 Fairview Industrial Drive SE Salem, OR 97302. In attendance:

|  |  |  |  |
| --- | --- | --- | --- |
| **Last** | **First** | **Agency** | **Phone number** |
| Adams | Jim | NWP | 503-808-4742 |
| Ament | Jeff | NWP | 503-808-4713 |
| Askelson | Sean | NWP |  |
| Burchfield | Stephanie | NOAA Fisheries | 503-736-4720 |
| Chane | Ian | USACE |  |
| Doumbia | Julie | BPA |  |
| Fielding | Scott | USACE |  |
| Griffith | Dave | NWP | 503-808-4773 |
| Jundt | Melissa | NOAA Fisheries | 503-231-2187 |
| Kelly | Elise | ODFW |  |
| Khan | Fenton | NWP | 503-808-4777 |
| Kuhn | Karen | NWP | 503-808-4897 |
| Phillips | Marie | USACE |  |
| Richards | Natalie | NWP |  |
| Ruff | Jim | NWPPC |  |
| Scott | Shane | NWRP |  |
| Spear | Dan | BPA |  |

Burchfield, Doumbia, Jundt, Kelley, Scott, and Spear called in.

1. **Finalized results from previous meeting.**
   1. Region was provided a primer for the MFW 30% EDR review.
   2. Region was provided a detailed update on Detroit temp control investigations into the “floating” surface outlet & free standing selective withdrawal structure alternatives.
2. All documents may be found at <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/Willamette_Coordination/Willamette%20FPT/>
3. **Action Items.** 
   1. **[Jul 14] DET Temp/DSP. ACTION:** Ament will send out a packet of information to the FPT when it becomes available. FPT will have a discussion at a later meeting. ***STATUS: Complete***
   2. **[Jul 14] Mods for Minto and Foster. ACTION:** Griffith will send out a list of proposed mods for the two facilities. ***STATUS: carry over to next month.***
   3. **[Aug 14] FCR AFF. ACTION:** Griffith will check with Lightner and Leonhardt about getting this issue buttoned up. ***STATUS:*** *Complete*
   4. **[Aug 14] FOS AFF.** Burchfield said Ed Meyer had some suggestions but she couldn’t remember them off the top of her head. **ACTION:** Griffith will follow up with Meyer. ***STATUS: Complete.***
   5. **[Aug 14] High head by-pass.** Jundt said it would be helpful to clarify how the proposed bypass is different than a criteria by-pass. **ACTION:** Phillips said the team can look at adding a table showing the criteria and which are or are not being met. ***STATUS: Khan said the 90% report was sent out but the table wasn’t included. Khan will send it with the study plan (late Dec early Jan).***
   6. **[Aug 14] HHBP.** Burchfield asked NWP to lay out what the steps are and how long the process will take. Ament suggested the path forward is dependent on results. Burchfield said a biologist can write up such plans. At this point Ament suggested Khan could write it up and Wertheimer said a simple flow chart could be drafted. **ACTION:** Khan will write t his all up. ***STATUS: Complete.***
   7. **[Aug 14]Outplanting at Cougar.** Griffith asked about outplanting females at Cougar. Garletts said only repeat offenders are double floy-tagged and taken upstream. **ACTION:** Griffith will contact ODFW and find out the details. ***STATUS: Complete.***
   8. **[Aug 14]Adult Outplanting.** Traylor is working on a standardized spreadsheet for reporting adult numbers. **ACTION:** Traylor will provide a draft for review by mid September. ***STATUS: NWP will put together a straw-man data sheet to track all of the adult returns. This will be carried over until next month.***
   9. **[Sep 14].** Minto/ FOS AFF. **ACTION:** Budai will send a list of contract mods to Griffith.
   10. **[Sep 14]** HHBP.  **ACTION**: Khan will send study proposal for FPT review in October. **Update**: Plan to go out in late DEC early JAN.
   11. **[Sep 14]** FCR drawdown. **ACTION:** Taylor will convene a smaller group to discuss the fine-tuning of the drawdown. ***STATUS****: Ongoing*
   12. **[Sep 14]** Fall Creek drawdown. **ACTION:** Griffith will send out the presentation with the meeting minutes. . ***STATUS: Complete.***
   13. **[Sep 14] Turbine Rehab/Fish Friendly Turbines.** The group discussed the possibilities of improving turbine survival. Griffith noted that the Foster turbine mortality study found that these are the second worse Kaplan turbines in the Northwest for juvenile fish survival. **ACTION:** Petersen will find out where Foster is on the rehab schedule and report back. . ***STATUS: Ongoing.***
   14. **[Sep 14]** Foster Downstream Passage. **ACTION**: ODFW and NMFS will provide more official comments on FOS DSP in a couple of weeks (17OCT14) . ***STATUS: Complete.***
   15. **[Sep 14] Cougar** Dam passage and concrete survival.  **Fish Benefit Workbook simulation of run-of-river alternative:** Survival estimates for fry seem much lower than what was observed during the tower construction monitoring. **ACTION:** Greg Taylor will look for the data collected during the drawdown for tower construction ***STATUS: Ongoing***
   16. **[Sep 14]** Field trip to the Clackamas to view fish passage facility improvements.  **ACTION:** Jundt to look at best dates**. *STATUS: Ongoing***
   17. **[Nov 14]** Foster adult passage **ACTION:** Griffith to send out NEW concept paper to FPT and RM&E.
   18. **[Nov 14]** Fish Passage Team administration **ACTION:** Griffith to send our revised FPT organizational chart.
   19. **[Nov 14]** Clackamas field trip to see recent improvements to up and downstream passage facilities. **ACTION:** Melissa Jundt to look at best dates.
4. **Foster Downstream Passage –** 
   1. Chane gave an update to FPT on steering team discussions regarding the scope and focus of the Foster downstream passage PDT (FOS DSP). The USACE will be revising the scope of the team to focus only on alterations (structural and operational) to the fish weir and changes to dam operations. Meanwhile the COP will determine if broader alternatives are appropriate for FOS DSP to examine. Chane stated that this would bring the PDT into closer alignment with the other PDTs, e.g. Cougar (on hold for >2years), as the COP analysis and biological criteria are set.
   2. Adams updated the PDT on the proposed “design charrette”, which is described as an “internal engineering” effort, to occur in mid-December.
5. **PDT Updates. (more detailed handouts are available on the website)**
   1. FCR AFF. Site visit for prospective contractors will be during the week of December 8th.
   2. DET Temp/DSP. *See section 7 of the notes.*
   3. FOS DSP. *See section 4 above*.
   4. HHBP. USACE has received 90% comments from ODFW and NMFS and is preparing a response. The PDT hopes to provide the study plan for regional review in late December. The team completed inspections of the Green Peter bypass and found it to be in “good” condition.
   5. MFW Temp/DSP. *See section 6 of these notes.*
   6. Minto. *See written update.*
   7. PFFC. *See written update.*
6. **Middle Fork Willamette Temp Control and Fish Passage;**
   1. **30% REPORT IS OUT FOR WATER FPT REVIEW (comments due 19DEC14)**
   2. USACE provided a presentation to the team to help prepare them for the review. The USACE is asking for a full review with emphasis on chapters 5, 6, & 7.
   3. NMFS asked where the discussion of downstream passage was. USACE explained that they were just starting that analysis.
7. **Detroit Temperature Control and Fish Passage**
   1. The team presented drawings and info on the AE firm concepts for the FSO and free standing SWS alternatives. This analysis was used to develop designs for cost estimate development to feed the COP analysis. The cost estimates should be available by end of the year. The dam safety seismic requirements will drive up costs since structures can no longer be attached to the face of the dam. Dam safety is performing studies to determine the risk of attached structures.
8. **FOS DSP RM&E Discussion**
   1. Khan updated the team on internal coordination efforts of the proposed RM&E operations to look at downstream fish passage under different spill operations. The test plan was coordinated with the region in a November 6th meeting. Documentation for this meeting is in the attached email below.
   2. USACE initial determination is that the proposed plan is feasible and is acceptable to BPA.
9. **UPCOMING MEETINGS**
   1. Team should look into a field trip to the Clackamas to see recent improvements to up and downstream passage facilities. **ACTION:** Melissa Jundt to look at best dates**.**

**NOVEMBER 6th EMAIL FROM KHAN**

From: Khan, Fenton O NWP

Sent: Thursday, November 06, 2014 12:47 PM

To: Bernadete Graham Hudson (bernadette.n.graham-hudson@state.or.us);

Elise Kelley - Department of Fish and Wildlife

(Elise.X.Kelley@coho2.dfw.state.or.us); Melissa Jundt; Petersen,Christine H

- KEWR-4; Dan Spear (djspear@bpa.gov); stephanie.burchfield@noaa.gov;

'Steven Marx'; Taylor, Gregory A NWP; Wills, Dave; Hudson, Michael;

Monzyk, Fred; Scullion, Mary K NWP

Cc: Griffith, David W NWP

Subject: RE: WATER FPT - discuss Foster spill operations for RME- NOV 6 9:00 - 10:00

(UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

All,

Thank you for your time and participation in the conference call this morning.

Below is a summary of the call.

Attendance: Khan, Taylor, Scullion (USACE), Burchfield, Jundt, Hatfield

(NMFS), Graham-Hudson, Monzyk (ODFW), Spear, Petersen (BPA), Hudson, Wills

(USFWS).

We discussed spill operations for the RME (radio telemetry) study at Foster

dam during Spring 2015 and the study plan for collecting data during low pool

(March - April) and high pool (May). Fenton proposed using a similar

block/treatment design that was used for the fish weir study during summer

2013; but with the spill bays and turbines; treatments would include operating

the spillway and turbines for 2 days, then close the spillway and operate the

turbines only for two days. This should inform us if fish are passing the

turbines when the spillway is closed or if they are holding in the forebay

waiting for the spillway to be opened. Note, the fish weir would continue to

remain in operation during the study and we will get data on fish passing that

route during the spillway and turbines ops.

Key points:

- We discussed potential effects to hydropower during the high pool (May -

first week or June) because there may not be enough available water to operate

both turbine units and spill at the same time. It all depends on

precipitation. We may have to sacrifice some power generation in order to

spill. BPA (Spear) did not see any major issues/road blocks with this

proposed plan.

- we discussed potential effects to returning adult Chinook salmon and winter

steelhead in the Foster tailrace; mainly potential fallbacks, delay of fish

entering the ladder, TDG effects, and de-watering of redds below the dam (high

spring flows could leave redds high and dry during low flows).

We agreed the numbers of returning adults are somewhat low in March - May and

the study may not affect these fish. However, we will monitor, with ODFW, any

delays of steelhead entering the ladder, numbers of fallbacks re-caught at the

AFF, and we will review the TDG data that was collected for the Foster

tailrace a couple of years ago (Fenton will track down and send to this

group). We agreed to move forward with the proposed study plan and evaluate

any effects to returning adults and if we see spill ops are affecting the

returning adults, we will discuss the next steps of the study as a group.

- we discussed the study plan (block/treatment). Input from the group

indicated we should evaluate metrics such as turbine off/spill only, spill +

turbines, turbines only. Fenton had proposed a similar block/treatment design

that was used for the fish weir study during summer 2013; Turbines + weir vs

turbines only, but use the spillway as a treatment; Turbines + spillway vs

turbines only. Fenton will work with the researchers and statistician to

refine the study plan and treatments and see what combination of treatments

will give us the best data. Fenton will report back to the group later this

month with the proposed study plan and we could discuss it at the Nov 20 FPT,

if needed.

If I miss anything or someone has something to add to this summary, please

feel free to do so. I tried to capture everything we discussed this morning,

but may have missed something.

Again, I appreciate everyone taking the time to participate and provide input.

Thanks everyone!

Fenton