CENWP-OD 30 July 2014

MEMORANDUM FOR THE RECORD

Subject: DRAFT minutes for the 30 July 2014 Willamette FPT meeting.

The meeting was held at NWP, 300 Block building, Portland Oregon. In attendance:

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| **Last** | **First** | **Agency** | **Phone number** |
| Adams | Noah | USGS | 509-538-2299 |
| Adams | Jim | NWP | 503-808-4742 |
| Ament | Jeff | NWP | 503-808-4713 |
| Budai | Chris | NWP | 503-808-4725 |
| Burchfield | Stephanie | NOAA Fisheries | 503-736-4720 |
| Doumbia | Julia | BPA |  |
| Fielding | Scott | NWP | 509-527-7236 |
| Friesen | Tom | ODFW |  |
| Graham-Hudson | Bernadette | ODFW | 971-673-1134 |
| Griffith | Dave | NWP | 503-808-4773 |
| Hudson | Mike | USFWS | 360-604-2500 |
| Johnson | Marc | ODFW |  |
| Jundt | Melissa | NOAA Fisheries | 503-231-2187 |
| Khan | Fenton | NWP | 503-808-4777 |
| Kock | Toby | USGS | 509-538-2299 |
| Leonhardt | Dave | NWP | 503-808-4786 |
| Mackey | Tammy | NWP | 503-961-5733 |
| Petersen | Christine | BPA |  |
| Spear | Dan | BPA |  |
| Walker | Chris | NWP | 503-808-4316 |
| Wertheimer | Bob | NWP | 503-808-4774 |
| Wills | David | USFWS | 360-604-2500 |

Doumbia, Friesen, and Johnson called in.

1. **Finalized results from this meeting.**
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. **[14 Jul] DET Temp/DSP. ACTION:** Ament will send out a packet of information to the FPT. FPT will have a discussion at a later meeting.
   2. **[14 Jul] Detroit steelhead releases. ACTION:** Wertheimer will discuss with Friesen and bring a proposal back to FPT.
4. **PDT Updates.** See <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/Willamette%20FPT/2014_July/> for more detailed information.
   1. FCR AFF. More dialogue and formal coordination is needed for finalizing concurrence for moving forward without screens. Burchfield wants a letter detailing the entrainment rate, asking for NOAA concurrence, and the intention of sending the project through SLOPES.
   2. FOS AFF & MINTO AFF Griffith to send out summary of what is in the modifications packages for both facilities.
   3. PFFC. More discussion later in the meeting.
   4. CGR DSP- Griffith reported the COP process is moving forward. A DDR is being drafted. Griffith said the FPT needs to come to agreement on using model outputs. This discussion will need to occur after Pieskowski returns to the office. Burchfield suggested that replacement was going to be an easy way of getting rid of alternatives that were not viable. Griffith said this topic will be an agenda item for the August meeting. At that August meeting there will be more COP team members available to attend.
   5. DET Temp/DSP. Ament provided the update. He reminded everyone about the authority issue so the process was stepped back to the EDR. The COP is looking at alternatives. Ament describes some of the engineering considerations. The contract has been awarded and the work should be completed by the end of the calendar year; just in time to support the COP. **ACTION:** Ament will send out a packet of information to the FPT. FPT will have a discussion at a later meeting. Burchfield asked if the cost information is going to be different.
   6. HHBP. There was discussion about where funding is coming from and why aspects of the project are not considered RM&E. Ament explained that the PDT has a funding shortfall and is working on getting that sorted out. **ACTION:** Ament will figure out if the pipe investigation will be funded by (and ranked with) RM&E. XXX expressed concern about being able to review the study plan. Burchfield feels the PDT should develop the study with the Agencies rather than develop the study independently. XXZ expressed concern about using balloon tagged fish since those fish would represent the best case scenario. The team discussed concerns about volitional passage and concerns about survival. In addition to concerns about fish survival, XXZ is also concerned about wording, specifically the term “prototype”. Khan attempted to explain the use of the term.
   7. DEX AFF. Response to 90% P&S comments are due out from Corps. After this the team will not be providing regular updates to the WATER FPT.
   8. MFW Temp/DSP. 30% A regional meeting on the temp targets was held on July 24th. NMFS and Corps will need further coordination since NMFS was not in attendance. EDR will go to region in late August to Mid September.
   9. FOS DSP (there is no written update). Team is finalizing the evaluation criteria and matrix. A courtesy copy will be distributed to the region and discussed at the August WATER FPT meeting on the 26th.
5. **PFFC RM&E For Fall 2015.** Griffith gave a presentation. You may find that powerpoint at <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/Willamette%20FPT/2014_July/>
   1. The results of the DIDSON show there are fish in the vicinity but are not getting collected. NMFS asked if NWP has thought about how it is a bright and shiny object in a dark reservoir. Griffith said other facilities use the stainless screens. Burchfield and Jundt suggested that the PFFC is shallower.
   2. Concerns regarding the PFFC include: position and orientation, hydraulics, seasonal and biological effects, vibration, electrical field. Position was supposed to be 50’ from the Cougar tower but is currently 160’ and it may only get as close at 75’. That difference in distance has resulted in the PFFC not being in alignment with flow. The PFFC will be turned to port (towards the dam) to realign the structure with the flow going into the tower. Flow rates are close to criteria. Acceleration and capture velocity are not close to criteria. There is not smooth acceleration and there is some deceleration.
   3. Burchfield expressed her disbelief that fish collection will work even if the issues are corrected. Griffith said the priority is to reposition the PFFC in time for the fall migration. He said NWP is working on a modified fall RM&E study. The follow-on contract won’t be awarded until FY15 due to funding. Through all of this, the PFFC will continue to operate and NWP will continue to identify and work to correct any additional issues.
   4. Griffith said rebalancing the screens is being looked at as well. With each adjustment, monitoring will be a critical factor to see if adjustments and mods are effective. He said there is value in continued monitoring.
   5. If the adjustments cannot be made, will the RM&E studies still go forward if the PFFC doesn’t collect fish? Griffith said he would propose delaying the active tag study until at least spring 2015 and maybe wait until fall 2015. The cost savings wouldn’t be as great as one might think but it would save quite a bit and the RM&E budget is pretty tight right now. Adams explained how USGS has modified the camera placements and how they can quantify behavior but noted there are small sample sizes to work with. Adams noted that the issues at the PFFC is similar to the SPC at LWG in the 1990’s. NWW managed to get a lot of fish right to the entrances but the fish didn’t go in due to velocities, vibrations, etc. Adams believed that if those issues are corrected on the PFFC, it is possible it will effectively collect fish.
6. Khan reported PIT tag sites are up and running at upper Bennett dam and Stayton. There is one at Foster weir as well. The data is going into PITAGIS. ODFW is managing the tag files. Friesen said he has NOT received confirmation from BioMark that the North Santiam data has been uploaded to PITAGIS.
7. **Detroit RM&E Discussion.** Wertheimer provided an overview. The primary objective of the fall double tagged survival study is to get survival estimates of those going over the crest. There was a spring release of PIT tagged fish. Walker reported that flows were dropped to 1000cfs on 29 July to extend the temperature flows. If flows remain at 1000 cfs, the spillway is lost around 7 September. If we drop those to 900 cfs, the spillway will be lost in mid-September. Burchfield requested the flow information. Walker said he has a copy for her. Burchfield expressed concern about giving up spawning flows for the month of September for a study. Burchfield had criticism about the presentation of the information. She would like more transparency.
   1. Potential issue with August spill (update)
      1. Paired Release Study. Tagging will begin on 3 August and finish on 9 August. Upstream releases will occur starting 11 August. It is expected that fish will pass the dam in about two weeks, or about 25 August. Once fish passage peaks (about 350 fish) then the downstream release will occur. Kock said USGS has looked only at bulk releases. Friesen asked why release the PIT tagged fish. Griffith said we wanted to compare the PIT tagged fish with the double tagged fish. Friesen suggested the comparison of fish released at different times may be more difficult since they will experience different river and weather conditions. Wertheimer said he believes, with the PIT tag detectors in place, we can move toward getting survival information with PIT tags instead of with active tags. Griffith said the original study had PIT tag only fish released at head of reservoir and the other releases so we could compare fish survival of those traveling through the reservoir and those moving through the dam. Kock said any changes to this study need to be made and communicated prior to 0800 on 3 August. Graham-Hudson asked if there were enough fish to divide them into two groups. Friesen said his group of PIT tagged fish is based on the numbers he needs for detection at Willamette Falls. His group of 10000 fish shouldn’t’ be broken into two groups of 5000 because then the comparison won’t amount to much. Friesen said the active tag fish were an add-on. Wertheimer said he thought all of this was already coordinated since there had been many calls and discussions about this. Hudson asked if the current study is going to kill another study. Friesen said no but it reduces the ability to utilize a group of fish that were released a few years ago and he wanted to try to do some comparisons.
      2. Steelhead. Friesen said there are surrogate winter steelhead at Marion Forks hatchery ready to be released. These fish have been PIT tagged. Just need a release date. The proposal had November 2014 as the release date. NWP has suggested a spring release, when fish are able to exit the reservoir. If we want to emulate the South Santiam, then a September – November release would be appropriate based on biological considerations. *O.mykiss* are migrating throughout the year but age 1 come in June and are done by November. Age 2 fish seem to come through in April-May. Friesen suggests figuring out the natural timing of *O. mykiss* and release the fish based on that rather than on hydropower operations. Griffith suggested there may be more than one answer to that question. Most of the fish tagged in March-April in the South Santiam basin passed Willamette Falls in late April through early June. **ACTION:** Wertheimer will discuss with Friesen and bring a proposal back to FPT.