

Memorandum for the Record

SUBJECT: DRAFT minutes of Willamette FPOM October meeting

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

First	Agency	Email
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On the phone: Couture, Garletts, Grenbemer, Hall, Helms, Hudson, Kovalchuk, Meyer, Schwabe and Spear.

1. Final actions: September W-FPOM minutes were approved.

2. Action Items

2.1. [August 2016] Foster Fish Facility fish attraction issues. **ACTION:** Traylor and Walker will draft a MFR detailing any changes or tests to attract fish into the fish ladder. **Status:** Walker received a spreadsheet from Boyd and will write an MFR. *Status: Walker sent out the MFR and comments are due in a week. HMT is also working on this issue.*

2.2. [Oct 2016] HGMP updates. Sharpe asked about implementing one the components of the sufficiency letter which was the integration of wild fish into the hatchery broods. **ACTION:**

Chane said that he will follow up with the Office of Counsel to find out if it is possible before the HGMP is finalized.

2.3. [Oct 2016] 16DET06 MFR Minto Fish Facility Power Issues. ACTION: Hall will check with electricians about the breaker setting levels.

2.4. [Oct 2016] 16DET06 MFR Minto Fish Facility Power Issues. An engineer from Portland has been included on all of the email and Hall will follow up to make sure that the electricians and engineers are working together. **ACTION:** Hall will contact the engineer to learn the status.

3. Updates

3.1. HMT Updates – The hatcheries are functioning as they should. There were low occurrence rates of BKD all over the valley. Most of the collection and outplanting is completed.

3.1.1. North Santiam

3.1.2. South Santiam

3.1.3. McKenzie

3.1.4. Middle Fork

3.2. HGMP updates – For spring Chinook, USACE did receive a sufficiency letter back from NOAA. Still need to complete the one for trout and for summer steelhead. NOAA suggested implementing the HGMPs before they are final but USACE is not in a position to follow through on that recommendation. McKenzie will still follow the 360,000 smolts for production. Sharpe asked about implementing one the components of the sufficiency letter which was the integration of wild fish into hatchery broodstock. **ACTION: Chane said that he will follow up with the Office of Counsel to find out if it is possible before the HGMP is finalized.**

3.3. Research/FPT updates – The middle fork plan has been sent out to the RM&E team on Oct 25th. There have not been any study proposals sent out for technical review.

3.4. Water Quality Updates – Temperature operations at Cougar are meeting the target by mixing the diversion tunnels flows with RO flows because the powerhouse is not available. At Detroit, the powerhouse flows are mixed with upper RO flows which provides cooler temperatures but does not meet the target. Normally, this operation would stop at this time of year but Turner will evaluate the temperatures this week to see if the operations should continue. High TDG numbers are seen downstream of Big Cliff due to RO flows and spilling and Foster due to the spill but not at Cougar.

3.5. Flow update – No updates; plenty of water

3.6. BPA updates – No updates

3.7. Cougar Fish Facility – The facility was shut down on Oct 13th. Season total numbers are 373 adult fish back. Out of those, 298 non-marked fish were double floy tagged and recycled downstream, 174 came back a second time and were outplanted above the dam, 58% recapture rate. There were also 75 ad-clipped fish.

3.8. Fall Creek Fish Facility – The facility will close on Oct 27th. Currently numbers are 424 non-marked, 88 ad-marked chinook, 8 winter steelhead, 190 summer steelhead and no Pacific Lamprey. From Nov 2-4, the project is conducting a drawdown to 680' elevation. Currently, the project is at 738'. Richards gave an update on the status of the trap- the contract has been awarded and a precon meeting took place. Construction is starting soon but due to the time that was lost during the contract protest, the overall schedule is delayed. The completion date has been delayed by one year. The choice was between adding time to the contract or doing an accelerated service which costs more and raised concerns about being able to move fish.

4. Coordination/Notification forms (need concurrence/discussion)

4.1. 16CGR04 MFR Turbine Units Offline – At Cougar, both turbine units are offline for the construction of an oil/water separator. If the construction is not completed on time, there is a

risk to sac fry in December. Comments are due Nov 2. A monitoring section should be added.

- 4.2.** 16FOS04 MFR Foster Fish Ladder Operations – The MFR describes the operations implemented by the project for a study and to attract more fish to the ladder and the results. U of I has not published their report yet. **ACTION:** Walker will send out the study proposal as an attachment to the MFR. Results of the U of I study will hopefully provide additional information of potential causes or solutions.

- 4.3.** 16DET06 MFR Minto Fish Facility Power Issues – This MFR documents the power outages (i.e. black outs and brown outs) that caused pumps to trip offline caused by the storm on Oct 15th. Previous MFRs document other power issues related to circuit breakers and outlined the path forward on potential solutions. Currently, all the CT cards on the pumps are being replaced and several communication cards have been replaced. Originally it was thought that the whole VFD was bad so two new VFDs have been ordered and are spares. The CT and communication cards are components of the VFD drive. The pump parts are not interchangeable between dams. Meyer asked about the backup generator and why it didn't come on. Throughout all of the power outages, only once did the backup generator not come on. Engineers believe that the problem stemmed from a combination of the CT cards and breaker settings that were too high. A power analyzer was installed to check the current supplied to the facility. This issue will remain on the agenda under Updates so that everyone can see how the fix is progressing. **ACTION: Hall will check with electricians about the breaker setting levels.** With all new bearings and CT cards, the project is optimistic that all pumps will function for the arrival of juveniles on Nov 7. Traylor read an email from the engineer that looked into the problem citing that this was an unusual situation without an easy fix. Since then Minto lost power nine times in fifteen hours and every time the generator kicked on. An engineer from Portland has been included on all of the email and Hall will follow up to make sure that the electricians and engineers are working together. **ACTION: Hall will contact the engineer to learn the status of the problem.**

Further Discussion (September MFRs):

16DET04 MFR Minto Fish Facility Power Outage

16DET05 MFR Minto Fish Facility Mortalities – This MOC was discussed last month. Walker recapped that the hoist breaker tripped causing sixty adult spring chinook mortalities and staff could not reach the breaker. An engineer is looking into the issue but at this point the permanent fix is unknown. The breaker is part of the hoist so it can't easily be moved. A trip is being planned to walk through and Mackey suggested scheduling the trip with Meyer for his input.

- 5. Fish Operations Plan:** WFOP homepage: http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/Willamette_Coordination/WFOP/

5.1. No pending change forms this month.

5.2. Status of the 2016 WFOP. – Walker is still working on this. It will be standardized and the same format as the FPP. The plan is to send it out by the end of the first week in November.

6. Task Group Updates.

6.1. Active Task Groups.

6.1.1. North Santiam temperature targets (Walker) - **Today after WFPOM**

6.1.2. Flow task group/workshop (Piaskowski) - Piaskowski has been bringing together technical people to consider alternative flow scenarios that can be used all over the basin. There has been some delays in getting the data analyzed.

6.2. Not yet Active Task Groups.

6.2.1. Summer Steelhead (Traylor/Taylor)

November W-FPOM cancelled