

MEMORANDUM FOR THE RECORD

Subject: FINAL minutes for the 22 July 2020 WFPOM meeting.

The meeting was held via conference call. In attendance:

Last	First	Agency	Email
Buccola	Norm	NWP-ENC	Norm.L.Buccola@usace.army.mil
Couture	Ryan	ODFW	ryan.b.Couture@state.or.us
Gallion	Darren	NWP-FFU	Darren.G.Gallion@usace.army.mil
Grenbemer	Greg	ODFW- Marion Forks/ Minto	Greg.A.Grenbemer@state.or.us
Jundt	Melissa	NMFS	melissa.jundt@noaa.gov
Khan	Fenton	NWP-PME	Fenton.O.Khan@usace.army.mil
Kovalchuk	Erin	NWP-ODT-F	Erin.H.Kovalchuk@usace.army.mil
Kruzic	Lance	NOAA	Lance.Kruzic@noaa.gov
Mackey	Tammy	NWP-ODT-F	Tammy.M.Mackey@usace.army.mil
Mullan	Anne	NMFS	Anne.Mullan@noaa.gov
Sachs	Steven	NWP-FFU	Steven.A.Sachs@usace.army.mil
Schwabe	Lawrence	Grand Ronde Tribe	Lawrence.Schwabe@grandronde.org
Scullion	Mary Karen	NWP-ENC	Mary.K.Scullion@usace.army.mil
Smith	Glen	BPA	gasmith@bpa.gov
Walker	Chris	NWP-ODT-F	Christopher.E.Walker@usace.army.mil
Wertheimer	Robert	NWP-ODT -FFU	Robert.H.Wertheimer@usace.army.mil

1. Final decisions or recommendations made at this meeting.

1.1. The edited meeting minutes were approved.

2. The following documents are provided or discussed at this meeting. All documents can be found at: http://pweb.crohms.org/tmt/documents/FPOM/2010/Willamette_Coordination/

- 2.1. Agenda, Fish Passage O&M coordination team
2.2. Coordination forms (MOC/MFR)

3. Action Items

- 3.1. [July 20] Minto - ACTION: Kelley will set up a special meeting to discuss outplanting additional CH above the dam.
- 3.2. [June 2020] Willamette Chinook Salmon Database - ACTION: Mackey will follow up with Eppard on the meeting minutes. *Status: Walker forwarded an email regarding the meeting that PME had with ODFW. The minutes were not in depth. Kelley asked when the 2019 spawning data would be available. Wertheimer supplied the report information to Walker. Walker posted the report from 2019 on the W-FPOM website but not the database. Kelley would like the 2018 and 2019 data in an excel spreadsheet rather than a report. Wertheimer is still working on the raw data from both years and then it will be posted. The 2018/2019 surveys had different CORs.*
- 3.3. [June 2020] Big Cliff TDG spike - ACTION: Mackey/Walker will write an MFR on the Big Cliff spill situation on 20 June. *Status: The MFR was sent out and it will be discussed under Coordination forms.*

3.4. [May 2020] Willamette Chinook Salmon Database - ACTION: Reis will look into the cost of database management. *Status: While Reis was tracking down the right person, she found out that there was a meeting between ODFW and the COE about this topic. Reis asked if there were meeting minutes. Mackey said that the meeting was hosted by planning. ACTION: Mackey will follow up with Eppard on the meeting minutes. Reis doesn't need to follow up with a cost estimate. Status: first one.*

4. Updates

4.1. North Santiam

4.1.1. Marion Forks Hatchery - ODFW started marking yesterday. The fire hydrant has been repaired. The pipe wrap is 90% complete and Grenbemer is happy with the repairs so far.

4.1.2. Minto Fish Facility – A new issue this year is screen cleaning due to debris. In auto mode, there would normally be four AWS gates open but two have been closed. Typically, cleaning the screens lasts a month and this year, the screen is clogging quickly. They are trying to think of a better way to clean the screens. Minto still has not received the compressor back from Big Cliff. TDG is higher than normal. Three CH jumped out of the holding ponds. Collections are going well with over 1200 non-marked CH. Genetic samples are being taken. Walker asked if the ladder is out of criteria with less AWS gates open. Grenbemer said it is technically out of criteria since the system is not running in auto but it isn't effecting the ladder differentials. Collections have remained steady. The screen is difficult to clean and they are trying to think of other ways rather than bringing in a crane. The debris is mostly moss not large woody debris. The air bursts have missed spaces and it doesn't get all the moss off. Wertheimer asked if they were on target for outplants in the N. Santiam and Brighton Bush. ODFW has finished the outplanting to the Horn Creek in the N. Santiam. Grenbemer will do the Brighton Bush later this week, but he is waiting until some work at the release site is done. Kelley said that they have a good return of CH. They can meet brood and outplanting goals. They are expecting to have extra fish that could be used above the dam. Conditions below the dam are warmer than above the dam. TDG is also an issue. ODFW thinks that there is plenty of capacity above the dam for spawning. Mullan asked if spawning surveys are happening above the dam. Kelley thought that funding for spawning surveys above dam was used for counting at Lebanon. Mackey said that OM had been funding downstream surveys. The upstream surveys are new to OM and was not budgeted for until the BiOp was in place. The upstream surveys wouldn't have been funded anyways this year but are submitted for the budget for next year. Walker thought putting the extra fish above the dam was a good idea. Kruzic said that the HGMP had specified a target as a general goal and exceeding the goal has happened in other areas as well. He agreed that putting the fish above the dam was the best use of the fish. Mullan asked if some fish could be PIT tagged but then realized that it was adults being discussed. Grenbemer asked which outplanting site. Kelley suggested talking offline for releases. Mackey needs to have the documents stating how many and where the fish were outplanted for the Admin Record. Wertheimer said that he gets fish liberation reports as part of the contract. Walker said that a Memo would be good because the outplant numbers would be different than the schedule. Kruzic said that there is flexibility in the HGMP to allow this to happen. **ACTION: Kelley will set up a special meeting to discuss outplanting additional CH above the dam.** Given the great returns of the natural origin CH back to the facility, Kruzic stressed the need for pedigree analysis this year.

4.1.2.1. Maintenance activities needed or recently completed.

4.1.2.2. Pipe wrap.

4.2. South Santiam

4.2.1. South Santiam Hatchery- hatchery production is going well. Fish health is good.

4.2.2. Foster Fish Facility –The total collection is 4345, 254 are NOR released above Foster. All brood has been collected and on hand. ODFW is holding Willamette CHS adults at Foster as backup in case of high pre-spawn mortality. ODFW had planned to recycle fish downstream but the hoist used to load fish onto a truck is broken. Maintenance is working on the hoist but a part is missing. Fish cannot be moved out of the ponds including recycling until the hoist is fixed. Walker asked if holding the fish at Foster is usually done or just for high temp. Couture said that last year was the first year for holding at Foster. Previously, fish had been held at McKenzie but due to water supply issues, ODFW changed the location. Mullan asked if fish are still coming in. Couture said yes and those fish can be hauled above the dam. If the fish go into the presort pool, they can't get them out of the pond. Kruzic asked what was different about the operations at Foster this year. Khan explained the spill operations that were utilized this year to improve water temperature conditions. Mullan asked about the AWS. Khan said there are no more tests and the AWS is running. The hatchery is collecting fish with the spill/AWS running.

4.2.2.1. Maintenance activities needed or recently completed.

4.2.2.2. Ladder and Adult Collection Issue

4.2.3. River Bend Adult Release Site – Walker has been looking at the erosion issue and more to come.

4.2.4. Foster Spill Operations – Foster is operating the fish weir through July until all the fish needs are complete or they run out of water.

4.3. McKenzie

4.3.1. McKenzie Hatchery – There are no juveniles; they have all been moved to Leaburg. The fish ladder is operational with 10-15cfs; 0 CHS have been collected due to decreased flows and warm temperatures.

4.3.2. Cougar Fish Facility – Collections as 22 July: 93 CHS, 9 placed above the dam and the rest double floy tagged and released downstream.

4.3.2.1. Maintenance activities needed or recently completed.

4.3.3. Leaburg Hatchery – Hatchery production is going well. Marking was completed last week. Most of the brood stock goals have been met. The sorter went into operation on 21 July. No fish have been collected yet but not a lot of fish present either.

4.4. Middle Fork

4.4.1. Willamette Hatchery – Marking is completed. Fish production is going well. Couture reiterated that 300 pair of CHS are being held as back up in the event of elevated pre-spawn mortality.

4.4.2. Dexter Fish Facility – Collections to date are 2964 total returns.

4.4.2.1. Maintenance activities needed or recently completed.

4.4.3. Fall Creek Fish Facility – Collection numbers as of 22 July: 807 CHS non-marked, 2 Pacific Lamprey and 64 STW.

4.4.3.1. Maintenance activities needed or recently completed.

4.5. Bull trout and Oregon Chub (Taylor) – no update

4.6. WFFDWG/Research updates (Khan) No updates. The next WFFDWG is August 4.

4.7. Water Quality updates (Buccola) – Buccola received emails regarding elevated temperatures below Big Cliff. Starting on 20 July, the turbine went offline at Big Cliff causing forced spill. Spill from Detroit is going straight to the spill of Big Cliff instead of mixing in the forebay. Buccola suggested decreasing the percent spill from Detroit to decrease temperature. Kelley would like to see the Detroit operation to get the temperatures back to target level. Main stem flows are being met. Salem flow is 74.8 which is exceeding flow targets. Mullan thinks the

high flows in Salem are helping the late spawners. Kelley asked how long it would take to see cooler water below Big Cliff. It should take a couple of days. Spill was already completed today so tomorrow, Scullion will change the generation operation. If the operational change starts tomorrow, temperatures should respond by Friday. Residence time in Big Cliff pool is less than a day.

4.8. Flow update (Scullion)

4.9. Pinniped Update (ODFW) – no update. Couture didn't think there were any sea lions. At BON, on 13 July, the first SSL returned. There are about 5 in the tailrace but in less than a month, there will be about 50. Mullan thought the high ST run in the Willamette was a direct result of the CSL removal at the Willamette Falls. Wertheimer agreed that there is a benefit to removing the problem animals as identified under the permit.

4.10. BPA updates – no update

5. HGMP BiOp T&Cs

5.1. Production and Biometrics – included in the hatchery production contracts.

5.2. Use of natural origin broodstock.

5.2.1. MOC: 20WVP08 Integrate Natural Origin Chinook Salmon Adults into North Santiam and McKenzie broodstock: The MOC was finalized and Kruzic sent an approval letter.

5.3. Bennett Counts (ODFW)

5.4. Lebanon Counts (USACE) – Cameras were installed on the downstream profile of weir 8 in early June. Four cameras are used to show both orifices and two focused on the notch. It is difficult to process with four camera feeds. Using camera data from this year, FFU is working on a good design for next year. Three complete days have been processed from June. Wertheimer is working on getting video clips posted to the W-FPOM website. Mullan asked for the three day count. On 6/11, Gallion had 2 ST and 28 CH, mostly clipped. Kruzic asked if the orifice will be completely blocked or a rack installed. Wertheimer said that the simplest method would be to completely block the orifice and funnel fish through the notch. Blocking the orifice would change the flow patterns. Galleon said using a rack instead of blocking it could cause debris issues. Jundt asked if all orifices would be blocked because the flow in the ladder could change. Mackey took the problem to small projects because it is beyond the resourcing capacity of FFU. Small projects will have a team to design with NMFS criteria. FFU is meeting with the Tech lead.

5.5. Leaburg Counts (EWEB/USACE)

5.6. Reducing pHOS in the McKenzie River - Leaburg sorter – discussed under Leaburg.

5.7. Improving broodstock holding at Willamette Hatchery

5.8. Analyze steelhead genetics (ODFW)

5.9. Assess future effects of hatchery summer steelhead in the North and South Santiam Rivers. (ODFW)

5.10. Assess genetic pedigree of Chinook salmon (up to 2019 and then every five years after) – Mullan is hoping to get some genetic clips from 2020 fish. Mullan asked for an update on the contract. The N. Santiam was already awarded back in the spring and working on spring and summer fish. The other contracts are in process. Khan can find out and let people know. ODFW is collecting genetic samples in the Santiams and McKenzie for hatchery spawners and outplants. The samples were supposed to be analyzed up to 2019 and then every five years after that. Kruzic suggested putting off other sub basins and in order to get samples from the big returns. Khan pointed out that contracting is a difficult process. It may sound easy to move things around but it is not. The contracts are all different and have different costs. Mullan suggested finding out how much more it would cost to see if a contract mod could be used with yearend money. Khan will ask but he wants to make sure he is setting appropriate expectations because it is not as simple as it sounds. *Update later in the meeting -*

Khan checked with Piaskowski. He had already started the contract mod to analyze the 2020 samples in the N. Santiam a couple of months ago and it will be awarded in September.

- 5.11. Assess salmon spawning above federal dams
- 5.12. Adaptively manage hatchery salmon outplanting above federal dams.
- 5.13. Willamette Chinook Salmon Database – Wertheimer will post the final report in pdf and Word versions, excel for redd and carcass locations, GIS of redd locations and an access database.
- 5.14. Three year report for NMFS SFD. Report due 2022.

6. Willamette Valley Production Contracts

- 6.1. Willamette Hatcheries option year – The contract will be awarded by the end of August.
- 6.2. Trout Production- The solicitation will go out in August and award by mid-September. Couture said that he can lump the release sites by location to help with efficiency. Walker said that ODFW will be involved but we need to wait depending on who is awarded the contracts and how it is split up.

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

Ongoing:

- 7.1. 20CGR01 Water supply Issues and Broodstock Collection at McKenzie Hatchery – ongoing.
- 7.2. 20WVP03 MOC Mitigation Trout Release Schedule ODFW 2020 (HGMP) - The big change was that some water bodies were removed from the table in the HGMP. The COE is proposing in a letter saying that stocking those water bodies would be determined by ODFW. The HGMP is only applicable on bodies of water with ESA listed species. Kelley doesn't think that the other water bodies should be included. Walker said that there is a NEPA component. NEPA coverage for the Corps hatchery program is thin. The change is that ODFW will determine the stocking level. Kruzic needs to review the letter and discuss with ODFW. The letter is being routed internally through the COE and will be sent out soon.
- 7.3. 20FOS03 Fish Weir Summer Operations –Khan needs to write an after action report with the correct dates and a summary of the results including the AWS incident. Khan said that the results section is being written by the PDT.
- 7.4. 20GPR01 Spill Test for Foster Fish Facility Ladder Temperatures

New:

- 7.5. 20DET02 MFR Elevated TDG – Mullan asked what “no load spill” is and what are the turbines doing during this period. No load spill is when BPA asks for no generation so the water is spilled instead. Similarly, during annual maintenance, the turbines are offline and the water is pushed to the spillway. This outage in this MFR was for maintenance not no load. Water management was still able to keep Detroit within the flow/spill agreement. The generation and spill increased because the flows were high. Scullion made clear that the COE stayed within the 40/60 spill/generation limits not 100% spill. Big Cliff turbines can still be used during the Detroit spill. The TDG spiked after the operation described in the MFR despite staying within the spill/generation agreement. Mullan said that in the future, there will be passage interim measures that would include turbine off passage routes during certain times of the day. Scullion suggested that the fish would go over the spillway. Mullan is trying to figure out where the fish pathway would be. The RO intake is down very low and fish might not find it. Fish could pass through a penstock but the attraction flow is low. Walker will add additional information to the MFR.
- 7.6. 20FOS04 Passage Enumeration at Lebanon Dam – Walker received email comments.
- 7.7. 20WVP09 spring Chinook growth flexibility and coded wire tagging change – Kelley said that the fish grow slightly differently than the release sizes in the HGMP. The flexibility is already in the HGMP but not in the contract. Coded wire tags are being used in the Middle and Coast Fork of the Willamette. ODFW would like to move the coded wires to the Santiam basin for better data. Comments are due in two weeks.

8. Fish Operations Plan: WFOP homepage:

http://pweb.crohms.org/tmt/documents/FPOM/2010/Willamette_Coordination/WFOP/

8.1. Fish facility inspections and reporting.

9. Task Group/PDT Updates.

9.1. Safety and Environmental corrections- A PDT has been formed. No update.

9.2. Asbestos abatement/surveys - Some abatement work has been completed this. Walker sent out survey reports to ODFW.

9.3. Marion Forks pipe and valves. – Leaks occurred as a result of the asbestos work. Pipes are being wrapped currently. A PDT will have to be formed to address the whole issue.

9.4. McKenzie Water Supply – The PDT is just starting to develop alternatives.