

MEMORANDUM FOR THE RECORD

Subject: Final minutes for the 28 June 2023 WFPOM meeting. The meeting was held via WebEx and call in.

1. Introductions and agenda updates:

Last Name	First Name	Email
Couture	Ryan	Ryan.B.COUTURE@odfw.oregon.gov
Garletts	Doug	Douglas.F.Garletts@usace.army.mil
Grenbemer	Greg	Greg.A.GRENBEMER@odfw.oregon.gov
Helms	Chad	Chad.K.Helms@usace.army.mil
Kruzic	Lance	lance.kruzic@noaa.gov
Madson	Patricia	Patricia.L.Madson@usace.army.mil
McClain	Nathan	Nathan.A.McClain@usace.army.mil
Peck	Dan	Dan.PECK@odfw.oregon.gov
Piaskowski	Richard	Richard.M.Piaskowski@usace.army.mil
Pierce	Todd	Todd.M.Pierce@usace.army.mil
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Trachtenbarg	David	David.A.Trachtenbarg@usace.army.mil
Wajtyna	Lee	Lee.E.WAJTYNA@odfw.oregon.gov
Wertheimer	Bob	Robert.H.Wertheimer@usace.army.mil
Ziller	Jeff	Jeffrey.S.ZILLER@odfw.oregon.gov

2. Approve W-FPOM minutes (April and May)

Edits for April notes have been updated. May notes sent. **Approved.**

3. Action Items –

3.1 [May 23] ACTION: Genetic Pedigree of Chinook Salmon (Wertheimer). Kruzic – Can the USACE provide an update on the future of funding? Piaskowski – Each year depends on what funding has been provided and what can be accomplished. Work that is being completed is CRFM funding. Expectation is that there are needs for ongoing work to meet the HGMP at least every 5 years. Samples are continuing to be collected, analysis will still need work to fund. Will have to work through the next funding cycle.

Couture – All subbasins except MF Willamette are collecting samples.

Piaskowski – O’Malley has an idea to stagger analysis to only look at a couple of basins each year which would allow work to flow more continually. Kruzic – Staggering would make sense. Couture – Timing would be better with staggering.

Grenbemer – One thing that could help is a differentiation between fish in the North Santiam River above Detroit and Breitenbush. Piaskowski – Could be included in the scope of work, will confirm with O’Malley.

4. Updates

4.1. North Santiam

- 4.1.1.** Marion Forks Hatchery – Matt - Fish are feeding well above scheduled size compared to last year. Will make production goals. Cramer is doing PIT tagging currently. Mt Hood and EAS is picking up fish weekly for screw trap trials. Marking will be starting in the next couple of weeks.
- 4.1.1.1.** Marion Creek intake – Wertheimer - USACE is seeking FY24 funding.
- 4.1.2.** Minto Fish Facility – Grenbemer – Collection is going well and has picked up. 905 marked ChS – 269 non marked ChS collected so far, only 30 StS, and have had 71 StW so far, which is a low year. Fish health is good, still at 51°F. Sorting fish for outplanting and brood.
- 4.1.2.1.** Maintenance activities needed or recently completed. – Grenbemer - Detroit Crew did get the AWS back into auto. The screen cleaner cleaned on the 20th. The AWS is now out of auto. The backup compressor has been shut down and facility is now back on the main which does have a leak. Something needs to be done on the compressors, things are reaching critical mass.

Wertheimer – Are attraction flows limiting collection for winters?

Grenbemer – We only collect 20 to 24% of winters seen at Bennett.

Winters don't do well in the upper basin; most are found below Minto.

Will share spreadsheet of collection.

Pierce – Both cranes are out of commission, being fixed by the week of the 10th which is also when the next screen cleaning will happen. If there are any emergencies, please advise. Grenbemer – The ladder does not have the AWS gates open that it should. Couture – Can ODFW use its funding to get the compressor installed before a catastrophic failure? What was the trigger that prevented it? Pierce – The air compressor was not the same model as the previous, thus everything must be inspected by an engineer to ensure that it is rated properly. Couture – will set up a meeting to discuss tomorrow.

4.2. South Santiam

- 4.2.1.** South Santiam Hatchery – Couture – Willamette Falls counts are not as good as predicted; we may have a late season this year again. Rainbow – stocking is going well, both in the North and South Santiam. Chinook fingerlings have Hexamitia, a bacteria in the gut, Epsom salt medicated feed will be given.
- 4.2.2.** Foster Fish Facility - Couture – Holding is going well, including MF Willamette stock fish. Holding back small males for tribal allocations. Have started to tag and collect data for outplanting, starting outplanting Friday above Green Peter.
- 4.2.2.1.** Maintenance activities needed or recently completed. No Update.
- 4.2.3.** Green Peter Dam outplanting/spawning surveys – Wertheimer – Contracting Mod is not awarded yet; funding is in place from CRFM. Will follow up tomorrow.

4.3. McKenzie

- 4.3.1.** McKenzie Hatchery – No update.
- 4.3.2.** Leaburg Hatchery – Wajytyna – 164 collected for brood being held at Leaburg. No fish have been transported to Minto yet, will send Chs adults to Minto later this season. Only a few 3-year-olds currently. Have had a fish loss that has caused a loss of 30k this month, still projected to make production numbers. Fish were acting

lethargic and pale. Currently salting and have used multiple treatments. RME fish, held separately, have not had as many losses.

- 4.3.3. Cougar Fish Facility – Helms – 19 ChS back so far and have collected 8 bull trout after RO was shut off.
 - 4.3.3.1. Maintenance activities needed or recently completed. Pierce- Crews are still working on the propane backup generator.
 - Kruzic – What are the plans for unmarked CHS at Cougar?
 - Taylor – In the past, any unmarked fish is double floy tagged and moved downstream and if it returns again, it is moved upstream. Until 1 September, we are now passing all Chinook above Cougar. Prior to 1 September most fish assign to above the dam and until then fish will be moved above. After 1 September, fish will be Floy tagged and placed below the dam.
 - Kruzic – Replacement rates are still below 1, thus we still want hatchery supplementation.
- 4.4. Middle Fork
 - 4.4.1. Willamette Hatchery – Happy Retirement to Dan Peck! - Currently marking and tagging, should be done at the end of this week. No disease issues currently.
 - 4.4.2. Dexter Fish Facility- Juvenile fish are in the raceways. 600 adults have been moved to SS, 50 have been outplanted in North Fork.
 - 4.4.2.1. Maintenance activities needed or recently completed. No update
 - 4.4.2.2. Dexter Fish Facility Header Pipe – Peck – Pipe was put in in the 70's, the end of the line is leaking. Have tried to correct, pressure is causing it to not hold, patches have been welded in, the pipe is at the end of its life and needs to be replaced. We have a quote for replacement of the pipe. Pipe may be added into the Dexter rebuild.
 - 4.4.3. Fall Creek Fish Facility
 - 4.4.3.1. Maintenance activities needed or recently completed. Garletts – We have 50 StW, 64 NM Chinook moved above and 2 Lamprey. 4 ChS marked and 2 StS returned below. Pierce – No maintenance issues.
 - Taylor – Delayed refill has a variable date and is implemented as of last year. This year we have had a very dry May and June; late refill due to injunction has led to only 20 feet above minimum refill, we only have the lowest fish horn to draw from. Thus, we are seeing some higher temps in the fish facility, and we do not have flexibility this year, the pool will continue to drift down and water temps will likely go up. Unsure yet how it will play out this season, there may not be any good options this year. We are already at 62°F and it will likely go up from there. The elevation of the lowest horn is 720ft and we are at 749ft now.
- 4.5. Bull trout and Oregon Chub (Taylor) – Taylor - Working to finalize the contract with ODFW, taking longer than hoped. Ziller – Bull trout in the McKenzie seem to be doing well. Some fishermen appear to be targeting them.
- 4.6. WFFDWG/Research updates (Laird) – No update.
- 4.7. Water Quality updates (S. Hart) – No update.
- 4.8. Flow update (S. Hart) – Taylor – There will be a flow meeting tomorrow. There may be struggles for the mainstem later this year given the conservation storage this year.
- 4.9. BPA updates – No update.
- 4.10. Pinniped Updates

5. HGMP BiOp T&Cs

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

- 5.2.** Use of natural origin broodstock (ODFW) Ziller – Have sent a request to look at placing wild brood on NS above barriers. So far, this year have had a decent return. Kruzic – Have received the request. Broodstock would be according to the HGMP. What is the proposal for the NS?
 Grenbemer – The guidelines would be 200 NM fish above Minto, 100 M/F each and 1 out of every 10 for brood and outplanting the rest above the dam.
 Kruzic – This would be different in the past with NM fish above Detroit. Please share any concerns.
 Couture – Replacement ratios are best when we have equal sex ratios. We may have additional males, what would we do with them, what would be the best use of them?
 Grenbemer – Will likely have a 60/40 split between male/female. Could use excess males to spawn with hatchery females.
 Couture – Would have to be careful of the Bi-Op.
 Ziller – There could be other factors affecting replacement then sex ratios.
 Taylor – Could be a statistical anomaly.
 Couture – We could target equally distributed ratios for all release groups.
 Kruzic – That would make sense.
 Piaskowski – Is there anything further that would be good to hear from O’Malley?
 Couture – We should use all the fish as best we can.
 Taylor – Sex ratio changes within the basin, I’d support moving the fish in the ratio in which they are arriving.
 Piaskowski – The data shows better returns with equal ratios, but the data is only from a short time-period.
 Ziller – We need further data to see if the trend continues.
 Wertheimer – Will share the proposal with the group.
- 5.3.** Bennett Counts (ODFW) – Grenbemer – Historical Minto vs. Bennett counts have been sent.
- 5.4.** Lebanon Counts (USACE) – No update. PIT array is installed.
- 5.5.** Leaburg Counts (EWEB/USACE) USACE starting counts May 1. 579 NM fish and 18 marked fish have passed the dam. Counts will be posted weekly to the WFPOM page.
 Ziller - Bull trout from the sorter are being PIT tagged. Meeting Chinook broodstock needs this year may be challenging.
- 5.6.** Reducing pHOS in the McKenzie River - Leaburg sorter Ziller – pHOS is at 3% so far this year.
- 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).
- 5.11.** Assess salmon spawning above federal dams
- 5.12.** Adaptively manage hatchery salmon outplanting above federal dams. Ziller – Outplanting targets may be tough to meet this year.
- 5.13.** Willamette Chinook Salmon Database.
- 5.14.** Three-year report for NMFS SFD.

6. Willamette Valley Production Contracts

- 6.1.** Willamette Hatcheries – Wertheimer – Working on a number of Mods at this time.
 Trachtenberg – Looking at the 23 and 24 numbers. Keeping the 155,300 StS within the hatchery contract, rather than shifting to the trout contract.
- 6.2.** Trout Production – Working on bringing in de-obligations to fund the contract.

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

Ongoing:

- 7.1. 21CGR02 Cougar Butterfly Valve Replacement (2024)
- 7.2. 23BCL01 MFR Circuit Breaker XJ31 Outage – Full repair planned during the routine BCL Main Unit 1 outage in July 2023.
- 7.3. 23DEX01 MFR 0MW Restriction

9. Task Group/PDT Updates.

- 9.1. Willamette Valley Operational Fish Passage Measures (PDT) – No new updates.
- 9.2. Green Peter Outplanting Task Group – Working to get mod in place, starting outplanting on Friday 6/30.
- 9.3. Safety and Environmental corrections (PDT)
- 9.4. Hatchery Non-routine maintenance/repairs (PDT)
- 9.5. McKenzie Water Supply Task Group/PDT
- 9.6. Willamette Basin Independent Science Review – No update.

10. Fish Operations Plan: WFOP homepage:

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