

**MEMORANDUM FOR THE RECORD**

Subject: DRAFT minutes for the 26 July 2023 WFPOM meeting. The meeting was held via WebEx and call in.

**1. Introductions and agenda updates**

Last Name	First Name	Email
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Wertheimer	Bob	Robert.H.Wertheimer@usace.army.mil
Ziller	Jeff	Jeffrey.S.ZILLER@odfw.oregon.gov

**2. Approve W-FPOM minutes (June)**

**Approved.**

**3. Action Items –**

**3.1 [ ] ACTION:** None

**3.2 [June 23] COMPLETED:** The group agrees that staggering Genetic Pedigree analyses would help with keeping work in the lab flowing more continually. Piaskowski will also check with the lab on the feasibility of making a differentiation between fish in the North Santiam River above Detroit and the Breitenbush.

**4. Updates****4.1. North Santiam**

**4.1.1.** Marion Forks Hatchery – Couture – Marking and tagging have been completed for the ChS. Cramer has PIT tagged 42,000 fish so far, 15k have already been released. 25k have been ad-marked for Mount Hood Environmental work. The release of RM&E fish may be delayed due to disease and treatment.

**4.1.1.1.** Marion Creek intake – Couture – There is still some slight movement with the log dam structure at the intake. Wertheimer – We have put it into the FY24 budget. Does ODFW have the capacity to do an

assessment, so we understand what it may take to fix it? It would be best if ODFW could do the assessment.

Couture – Will follow up on the assessment with ODFW.

- 4.1.2. Minto Fish Facility – So far this year there have been 2239 hatchery ChS collected, 521 non marked ChS collected. N. Santiam HOR Outplants: 334 M 304 F, Horn Cr non marked Outplants: 18 M 17 F. N. Santiam NOR Above Detroit: 113 M 79 F, NOR Upstream of Minto: 132 M, 72 F, 8 Jacks.
  - 4.1.2.1. Maintenance activities needed or recently completed. – Temporary 125kva generator installed, a longer-term fix is needed for backup power. Couture – One of the fish hoppers is not moving, it will need to be repaired before outplanting of ChS can continue. One of the recirculation pumps is also down, this has been a long-term issue. Pierce – The trolley system was repaired a month ago and will need more work. Backup gen installed in case power goes out again, the new air compressor is installed and should be fully functional.
- 4.2. South Santiam
  - 4.2.1. South Santiam Hatchery – Hogan – Marking of the StS has been completed, 112,000 will be moved to Leaburg, 240,000 will be kept at South Santiam for N. and S. Santiam. Treatments have gone well post marking. Rainbow stocking has been completed. Will be splitting the juvenile ChS next month. In the large pond the juvenile ChS have been growing a little slow due to lower reservoir temps. 3,700 adults ChS back total and 322 StS. So far, a total of 168 non marked ChS outplanted above Foster. The broodstock being held at Foster are being treated three days a week. Adult ChS moved into the trap well at the beginning of the month, but it has slowed down now. We have given a number of smaller male hatchery ChS to the tribes, as part of the annual tribal allocations, and food banks.
  - 4.2.2. Foster Fish Facility
    - 4.2.2.1. Maintenance activities needed or recently completed. Pierce – Limit switches have been ordered.
  - 4.2.3. Green Peter Dam outplanting/spawning surveys – 600 HOR ChS have been outplanted in the NF Middle Fork South Santiam. Quartzville outplanting will be in Sept, likely after Labor Day.
- 4.3. McKenzie
  - 4.3.1. McKenzie Hatchery – Wajtyna – Have had a focus on fish health, multiple treatments have had to be used. Water temps have been elevated around the 60°F range, disease has caused a delay in marking. The pathologist has recommended placing shade over the rearing ponds. Marking is starting now, with 68k are marked and so far. Brood stock collection is only at 30% of the total broodstock needs. When we reach 50% will start sending fish over to Minto. Ziller – Fishing has been closed on the McKenzie directly below Leaburg Dam in order to protect the remaining broodstock.
  - 4.3.2. Leaburg Hatchery – Making changes in the incubation room to allow for rearing ChS at the hatchery in brood year 2024.
  - 4.3.3. Cougar Fish Facility – Helms - 46 ChS adults, skewed towards males and 8 BT moved above the dam as of 7/25.
    - 4.3.3.1. Maintenance activities needed or recently completed. Helms - Crews are working on the propane generator. Pierce – The generator is still not automatically starting.
- 4.4. Middle Fork

- 4.4.1. Willamette Hatchery – Meeting all goals for production for brood year 2022 releases, first time in 5 years that smolts have gone into Hills Creek. Cramer is working on PIT tagging, as many as 100k fish may be PIT tagged.
- 4.4.2. Dexter Fish Facility – Adult collections for brood year 2023 have been poor, only 750 females on hand, need to collect 880 to meet minimum production. Currently at 85% of production fish needed. There are fish that are holding in the ladder. Trying to figure out how to get them to enter the trap. Will try to draw things down and use a crowder and net. Taylor – With drawdowns we may have worse temperatures. Getting as many fish as early as possible would be better.
- 4.4.2.1. Maintenance activities needed or recently completed.
- 4.4.2.2. Dexter Fish Facility Header Pipe – Will update at the Aug. WFPOM.
- 4.4.3. Fall Creek Fish Facility Helms – Helms - 106 non marked ChS and 6 marked ChS and 4 lamprey above dam.
- 4.4.3.1. Maintenance activities needed or recently completed. Helms - Water temps 71°F as of 9am 7/26. Taylor – Temps are going between 68 and 72°F. Fish may die even after passing through water this warm. Temps may be the worst they have ever been. Any incubation below the dam will die. Any fish we can get in the trap we would like to move above in an attempt to get them to cooler water.
- We have had an increase in fish numbers in the last two weeks. We have not shut down the facility yet; if the facility is not open, fish below the dam will die. Does leaving the trap open make sense?
- Ziller – I'm just as concerned, is there a diurnal fluctuation in temps?
- Taylor – Its fluctuation at the gauge between 68 and 72°F but with an steady increase in temps. There is also a fire in the upper fall creek basin. Human activity may be limited in the basin.
- Ziller – Typically most fish enter before July, correct?
- Taylor – Yes, most fish are earlier, however we have collected many fish late this year.
- Helms – 4 fish collected on Monday.
- Taylor – 30% of the return in the last two weeks.
- Helms – There have been a number of fish in the stilling basin.
- Taylor – There is the option of shutting the trap down but may not be best for fish. We could fill the truck offsite but with water to water much of it will be displaced. The release sit is also very warm. The only way to cool the downstream would be through the RO and it would only work for a couple days. Trying to keep cooler water in reservoir may help juvenile fish.
- Ziller- Have any temp profiles been done?
- Taylor – No, we are observing models and other sites.
- Wertheimer – Is anyone opposed to the continued operation of the trap?
- Lawrence – Makes sense to keep operations going.
- Kruzic – Continue with the operation.
- Thompson – Unless there a risk of warmer temps in the trap. Is there any cold-water refuge downstream?
- Taylor – One place there could be colder water could at the Little Fall Creek confluence. The other area is if they back all the way down, but spawning in the MF won't be successful. We will keep everyone posted.
- 4.5. Bull trout and Oregon Chub (Taylor) – The contract is now awarded, and work is being done.
- Reis - What is the end date of the contract. Taylor – It will be one year from when it was signed, roughly June to June.

- 4.6. WFFDWG/Research updates (Laird) No update
  - 4.7. Water Quality updates (S. Hart) Buccola – Temps out of Cougar and Detroit are at target. Dexter is being blended with the RO at Lookout point. Some spill is happening due to BPA line outages. We are expecting warm temps due to these drawdowns. Salina will have a meeting tomorrow. We are now starting to fill Big Cliff after the debris flush. Foster has the summer fish weir in effect.  
We are trying to have a contract with USGS to monitor for this year at Fall Creek but did not get it. Hope to be in place for next year.
  - 4.8. Flow update (S. Hart) – Meeting tomorrow.
  - 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. Ziller – ODFW had some concerns over wild fish being hooked below Leaburg. A temporary regulation has been put in place to restrict fishing below Leaburg Dam. Anglers were hooking as many as 5-10 to one Wild vs hatchery salmon before the temporary closure in this section. Looking to allow fish to hold below in the pool below the dam and take an occasional fish used for broodstock from the sorter. Once trapping begins in late Aug and early September within ladder, we will have a better idea of what we have and will take additional wild fish for brood.  
Taylor – Will outplanting be able to occur?  
Ziller – Things are not sitting well at all. The hatchery return from the fire released fish in 2020 is very poor so the number of fish available for outplanting will likely be small or nonexistent.
  - 5.3. Bennett Counts (ODFW) – No update.
  - 5.4. Lebanon Counts (USACE) – Wertheimer – The PIT array has had some damage occur.  
Fenton is going to give an update at the Aug. WFPOM.
  - 5.5. Leaburg Counts (EWEB/USACE) Sachs - USACE is ordering new count equipment. Ziller - 1200 wild Chs over the sorter and 152 hatchery fish for broodstock, we are close to 1400 wild over the dam so far. There is a slowdown of fish over the sorter.
  - 5.6. Reducing pHOS in the McKenzie River - Leaburg sorter
  - 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).  
Nothing additional at this time.
  - 5.11. Assess salmon spawning above federal dams -
  - 5.12. Adaptively manage hatchery salmon outplanting above federal dams. Ziller – We may have few if any fish for outplanting on the McKenzie this year. What would be the best way to handle this. Would it be good to plant excess fry if there are any?  
Thompson – Anne has been out, but I will check with her.  
Taylor – Ideally, we would have a component run of the river fish but that seems in jeopardy here. I would lean toward making sure there is broodstock but having surrogates for the evaluations is important (RM&E).
  - 5.13. Willamette Chinook Salmon Database.
  - 5.14. Three-year report for NMFS SFD.

## 6. Willamette Valley Production Contracts

- 6.1. Willamette Hatcheries Wertheimer – The second option year is in place. There are mods for RM&E as well as other contracts. The broodstock shortfall from Willamette in BY21, ODFW is giving a credit back, the credit will be used to fund the trout production contract.
  - 6.2. Trout Production – Final option year, will award base contract which is only 100k Lbs. of the typical 277k Lbs. production goal. If any additional funds are available before 15 Sept., we will use it to fully fund the total 277k Lbs.
7. **Coordination/Notification forms (need concurrence/discussion)**  
Ongoing:
- 7.1. 21CGR02 Cougar Butterfly Valve Replacement (2024?)
  - 7.2. 22DEX02 MOC Fish Facility Rebuild IWW periods.
  - 7.3. 23BCL01 MFR Circuit Breaker XJ31 Outage – Full repair planned during the routine BCL Main Unit 1 outage; scheduled date moved from July 2023 to 6-8 September 2023 due to parts delay.
9. **Task Group/PDT Updates.**
- 9.1. Willamette Valley Operational Fish Passage Measures (PDT) Budai – On 1 July we started the deep drawdowns at Green Peter and Lookout Point with a 1 foot per day for dam safety. We are monitoring Lookout Point to ensure there are no slides and there is back up power at Green Peter. A bi-annual report is due to the court on Aug 28, it is currently under internal review.
  - 9.2. Green Peter Outplanting Task Group – Wertheimer – As covered previously 600 HOR ChS outplanted in the Middle Fork South Santiam and 200 remain for Quartzville Creek. Still working on getting the task order for spawning surveys. The survey will only be in Quartzville this year.  
Reis – What was the issue with the not having surveys in the Middle Santiam.  
Wertheimer – We were unable to get the work done to contract the Middle Santiam this year.  
Reis – Could we prioritize the Middle Santiam next year?  
Wertheimer – We will work towards surveys for the Middle Santiam next year.
  - 9.3. Safety and Environmental corrections (PDT)
  - 9.4. Hatchery Non-routine maintenance/repairs (PDT)
  - 9.5. McKenzie Water Supply Task Group/PDT  
Couture – Are there any ideas about a feasibility assessment of the water supply without Leaburg lake.  
Wertheimer – This may be a broader discussion, that may involve a re-consultation.  
Couture – We should have some conversations to determine a starting point and to determine the feasibility of various options for providing water to Leaburg and McKenzie hatcheries.  
Wertheimer – We will make it an action item.
  - 9.6. Willamette Basin Independent Science Review – Wertheimer – Will coordinate with NW power and planning counsel. Will give a presentation on the question types and examples next month.
10. **Fish Operations Plan:** WFOP homepage:  
[http://pweb.crohms.org/tmt/documents/FPOM/2010/Willamette\\_Coordination/WFOP/](http://pweb.crohms.org/tmt/documents/FPOM/2010/Willamette_Coordination/WFOP/)