

MEMORANDUM FOR THE RECORD

Subject: FINAL minutes for the 23 June 2021 WFPOM meeting starting at 1000 hrs., ending 1130 hrs.

The meeting was held via WebEx on-line meeting and call in number. In attendance:

Last	First	Agency	Email
Bardy	David	ODV-DOPM	David.M.Bardy@usace.army.mil
Boyd	Brett	ODFW S. Santiam	brett.h.boyd@odfw.oregon.gov
Buccola	Norman	NWP-ENC-HR	Norman.L.Buccola@usace.army.mil
Budai	Chris	NWP	Christine.M.Budai@usace.army.mil
Couture	Ryan	ODFW	Ryan.B.Couture@odfw.oregon.gov
Gallion	Darren	NWP-ODT-FFU	Darren.G.Gallion@usace.army.mil
Gibbons	Karrie	NWP-ODT-FFU	Karrie.M.Gibbons@usace.army.mil
Grenbemer	Greg	ODFW M.F. & Minto	Greg.A.Grenbemer@odfw.oregon.gov
Helms	Chad	NWP-ODV	Chad.K.Helms@usace.army.mil
McClain	Nathan	NWP-ODT-F	Nathan.A.McClain@usace.army.mil
Mullan	Anne	NOAA	Anne.Mullan@noaa.gov
Peck	Dan	ODFW Willamette	Dan.Peck@odfw.oregon.gov
Reis	Kelly	ODFW	Kelly.E.Reis@state.or.us
Scott	Shane	Public Power Council	Shane@sscottandassociates.com
Scullion	Mary Karen	NWP	Mary.K.Scullion@usace.army.mil
Tackley	Kathryn	NWP-ENC-HR	Kathryn.L.Tackley@usace.army.mil
Taylor	Greg	NWP_ODV	Gregory.A.Taylor@usace.army.mil
Walker	Chris	NWP-ODT-F	Christopher.E.Walker@usace.army.mil
Wertheimer	Robert	NWP-ODT-FFU	Robert.H.Wertheimer@usace.army.mil
Ziller	Jeff	ODFW	Jeffrey.S.Ziller@odfw.oregon.gov

1. Final decisions or recommendations made at this meeting

1.1. Approved May W-FPOM minutes

2. Action Items

- 2.1. [April 2021] Pierce will follow up with Detroit crew foreman about PM for recirculating motors for the Minto raceways. Pierce could not attend. No progress yet, Minto is starting to hold brood and outplants and pumps would help immensely. Discussion about moving unused pumps from another project. Need solution soon as Minto is starting to hold fish. Update: Detroit crew is working at Minto, hopefully impellers will be replaced this week.
- 2.2. [Jun 2021] South Santiam Hatchery – Given low number of unmarked fish, should we hold hatchery fish to pass above as well? ACTION: Walker will add this as a bullet to the McKenzie water supply TG.

3. Updates

3.1. North Santiam

3.1.1. Marion Forks Hatchery – Going well, marking after 4th of July. Out planted 12 pairs into Horn Creek & outplanting into the N. Santiam.

3.1.2. Minto Fish Facility – Detroit crew working on recirculating motors. Also screen cleaning today for the 4th time. Last one lasted 1 week before plugging, debris issues continue. Working toward permanent fix.

3.1.2.1. Maintenance activities needed or recently completed. – Only 1 of 5 pumps in for preventive maintenance. Concerned about lack of PM. Crane inspection done last year was only done from the ground, never went up into the crane. Inspector was disappointed with design, not appropriate for use. Only single break & clutch – safety concern. Have experienced a break failure.

3.2. South Santiam

3.2.1. South Santiam Hatchery – Fish health is good, meeting fish size goals. Doing pond maintenance. Steelhead brood collection is low, 61 back so far. Should be getting more from other facilities (91 to date). Holding some Willamette stock ~600 pairs. Chinook numbers steady, 1,181 hatchery fish, only 14 unmarked fish of those only 3 females. Using surplus males to help meet tribal allocation to Siletz. Grande Ronde is done. Foster staff helped with sticking crowder and leaking air lines. Walker Q: Did fish collection pick up when we started spilling through the weir? Not really, river only a few degrees different vs. ladder temp. Fish seemed to move away from warmer surface water (from weir). If we get a 4 or 5 degree F temp difference fish seem to hold below the ladder. Haven't had any big days yet, but Falls counts similar to last year.

3.2.2. Foster Fish Facility – Hatchery adults similar to last year, coming in slow and steady with no large pushes of fish. Tackley asked about plan to close AWS or keep it open. Taylor would like to see it closed, worked in the past. Easy thing to do, should result in warmer ladder temperatures which seems to be a problem. Big days last year were right after we closed AWS. Conversation continued about timing of adult fish arrival to facilities and artifacts of ladder temp differential. Operation of weir may bring fish up but they may not enter the ladder due to cooler temps (source of water). A device that would allow mixing of water to match river temps should result in more natural run timing.

3.2.2.1. Maintenance activities needed or recently completed. – Sticking crowdors, some repaired airlines.

3.2.3. River Bend Adult Release Site – Contractors have visited site, WebEx meetings about design. One more on-site meeting scheduled prior to start of work. Schedule to be completed during this summer's in-water work, end of September at the latest. Boyd asked if ratio of unmarked males:females remains the same, will we supplement with hatchery fish? Answer will change what he needs to hold. Walker said in the past we've passed wild fish. He would like to hear NMFS weigh in. Boyd will continue to send out updates to keep people informed. Walker suggested adding this as a bullet to the McKinzie water supply TG as those are the same people who should weigh in. Taylor suggested the S. Santiam and Fall Creek have similarities, base flows and challenges. Lots of variability at Fall Creek. Last year at Fall Creek highest returns ever, this year terrible. We could get some benefit of passing some hatchery fish, but it would cloud what the health of the wild population is doing. Clearly it struggles at times just like Fall Creek does. Couture suggested that outplanting above and passage through Green Peter should be included in this

discussion as well. ACTION: Walker will add this as an agenda item to the McKenzie Water Supply Task Group.

3.3. McKenzie

- 3.3.1. McKenzie Hatchery - Began cold water disease (CWD) medicated feed treatment. Fish are responding well.
- 3.3.2. Leaburg Hatchery – Leaburg trap, adults arriving, ~320 total, all but one hatchery fish. Working on holding lattice, not built for Chinook and a couple have broken through. Working to repair/replace. Sorter collector seems to be working a lot better than last year, helping out as they can.
- 3.3.3. Cougar Fish Facility – Uptick in adults ~31 collected and recycled, of those 15 came back a 2nd time so released in reservoir forebay due to rock slide is blocking access to the head or reservoir. Looking into backroad to get around rock slide. Mullan asked about collection number, is 31 lower than usual? Bit early to tell, but a little on the low side.
 - 3.3.3.1. Maintenance activities needed or recently completed. On going issues with water intrusion in the post sort fill valve. Water is damaging electrical, looking into new design, possibly pneumatic.

3.4. Middle Fork

- 3.4.1. Willamette Hatchery – Marking is completed, all fish transferred. Juvenile spring Chinook to Dexter & S. Santiam. Rainbow all clipped, August going back to Leaburg. Everything healthy and on schedule.
- 3.4.2. Dexter Fish Facility – Full of fingerlings, working adult trap ~1,500. Just transferred to S. Santiam. Hatchery water is a bit warmer than Dexter. May keep fish in cooler water at Dexter while temperatures at Willamette remain elevated. Mullan asked if warmer water release caused pulse of fish? Notice uptick in temperature, but fish are just slowly trickling in. Had some cables that had to be replaced on the fish trap, flat spots caused jumping and unwinding. Had to dewater, push fish back in to the river, contractor put new wire on, opened back up for fish collection.
 - 3.4.2.1. Maintenance activities needed or recently completed.
- 3.4.3. Fall Creek Fish Facility – 74 unmarked adults Chinook transported above the dam. 24 HOR Chinook, 40 W. steelhead back, 15 S. steelhead back.
 - 3.4.3.1. Maintenance activities needed or recently completed. – Unaware of any outstanding maintenance issues.

3.5. Bull trout and Oregon Chub (Taylor) – No update.

3.6. WFFDWG/Research updates (Laird) – No major updates. RM&E meeting tomorrow – overview of middle fork structured decision analysis.

3.7. Water Quality updates (N. Buccola) – Flows up last Fri & Sat with warm air temp. Plan is to keep 10k CFS at Salem. Forecast for temps above 100 F, then above 90 F. Trying to store enough to meet minimum flow, balancing with releases for temp. Spilling at Detroit.

3.8. Flow update (S. Hart)

3.9. Pinniped Update (ODFW) – Reis stated we are pretty much done for the spring. Could remove from the agenda until sea lions return to Bonneville Dam likely mid-July.

3.10. BPA updates

4. HGMP BiOp Terms & Conditions

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

4.2. Use of natural origin broodstock.

4.3. Bennett Counts (ODFW)

4.4. Lebanon Counts (USACE) – Collecting video, trying to perfect orifice monitoring. Issue is the budget shortfall, not allowed to backfill positions, unable to process video at this point. Will focus on the split between notch passage and orifice passage.

4.5. Leaburg Counts (EWEB/USACE) – Counts posted to web.

- 4.6. Reducing pHOS in the McKenzie River - Leaburg sorter Ziller – June 1st, daily operation except one night. About 10 fish per night. Trying to get better attraction flow. Moved water from left back roll gate to the middle roll gate. 137 Chin. 8 STHD, 1 BLT PIT tagged. 19 hatchery Chin, 16 removed, 3 moved quickly past table and were missed. Total is unknown as fish can pass when sorter not operated. Fabulous to have ODFW crew operating the sorter in the morning. Couture asked about peak fish passage through sorter or left bank ladder. The hour between 10 pm and 11 pm.
- 4.7. Improving broodstock holding at Willamette Hatchery
- 4.8. Analyze steelhead genetics (ODFW)
- 4.9. Assess future effects of hatchery summer steelhead in the North and South Santiam Rivers. (ODFW)
- 4.10. Assess genetic pedigree of Chinook salmon (up to 2019 and then every five years after) -
- 4.11. Assess salmon spawning above federal dams
- 4.12. Adaptively manage hatchery salmon outplanting above federal dams.
- 4.13. Willamette Chinook Salmon Database.
- 4.14. Three year report for NMFS SFD. Report due 2022.

5. Willamette Valley Production Contracts

- 5.1. Willamette Hatcheries - Spring Chinook & Summer Steelhead. Will award in August, given funding issues the 6 month base period has been very helpful.
- 5.2. Trout Production – Walker has completed most of the documentation. Will award this year. For delivery in 2023, hopefully for three seasons of delivery.

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

Ongoing:

- 6.1. 21DET02 Detroit Water temperature and Fish Passage Measure 07 – Tackley, spill operation continues an achieving targeted temperatures. Bad news is reservoir will be drawn below spillway crest likely mid-July, then all turbine flow.
- 6.2. 21LOP01 Fish Passage Measure 21 – Operation ends tomorrow, temps at 60 F, look at data collected at the screw trap and evaluate for next year's operations. Also USACE TDG probe installed below LOP. Will provide data later. Question about what the screw trap has collected. Cramer sent report, collecting a lot of debris in the screw trap that may have interfered with functionality.
- 6.3. 21WVP01 Fish and Wildlife budget shortages - Moving to the 6 month base was very helpful. Going forward shortfalls may continue so plan accordingly. Couture asked about what will be in contracts based on reduced budget. There will be options to bid on Summer Steelhead but it might not get funded. We are trying to forecast what the budget will be in the next few months but there is uncertainty there. Walker will let ODFW know ASAP.
- 6.4. 21CGR02 Cougar Butterfly Valve Replacement (2023) – No update.
- 6.5. 21BLU01 RO Outage low flows – Did not occur due to lack of crane. Trying to procure one, new date has not been chosen.

New:

- 6.6. 21FOS02 Fish Weir Summer Spill
- 6.7. 21DEX01 Dexter Unit Outage – Deviates from FOP, attraction has not been an issue at Dexter.
- 6.8. 21DET03 Minto Fish Facility - AWS debris/Screen Air Burst System – Grenbemer stated USACE Detroit Maintenance staff will be cleaning screens again today. Problematic this year, could be due to the fire, algae growth. We are collecting Chinook weekly, 648 of those 134 not marked and passed. Still collecting fish, just running about ½ the AWS water as designed. Mullan asked how operations change with ½ the flow? Doesn't seem to be delaying fish, not collecting below the ladder. Taylor added the bottom line is what's happening with the fish. Administratively lower attraction flow can put us out of NOAA criteria but it does not always equal a problem with fish attraction. At a barrier dam, with nowhere for the fish to go, the AWS flows are probably less important when fish cannot

bypass. We want to operate the ladder to design spec. and FOP criteria but we might not know enough about how fish will respond to changes in the AWS.

7. Task Group/PDT Updates.

7.1. Willamette Valley Operational Fish Passage Measures (PDT) – New measures coming out, trying to finalize report by end of calendar year. Mullan asked about Cougar EA? Working on EA for both Cougar and Fall creek so have NEPA coverage to implement operation in 2022.

7.2. Safety and Environmental corrections (PDT) – shelved due to lack of funding.

7.3. Hatchery Non-routine maintenance/repairs (PDT) – shelved due to lack of funding.

7.4. McKenzie Water Supply (PDT)

Reis asked, understanding there are budget shortfalls, is there a plan to modify what these PDT's will do? Walker responded when we have a short fall we put in a request for funds based on requirements we need to address. Couture suggested setting up a path forward, even just a straw man that ODFW could help support the Corps. Walker welcomed collaboration and suggestions on how to deal with budget uncertainty.

8. Fish Operations Plan: WFOP homepage:

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

8.1. Posted on website since March, can be updated at anytime by sending Walker a change form.

Meeting ended at 11:30 am.