

Memorandum for the Record

SUBJECT: Final minutes of Willamette FPOM March meeting

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

Last	First	Agency	Email
Couture	Ryan	ODFW	ryan.b.Couture@state.or.us
Garletts	Doug	NWP-ODV	Douglas.F.Garletts@usace.army.mil
Grenbemer	Greg	ODFW- Marion Forks/ Minto	Greg.A.Grenbemer@state.or.us
Helms	Chad	NWP-ODV	Chad.K.Helms@usace.army.mil
Hoque	Yamen	NWP	Yamen.M.Hoque@usace.army.mil
Mackey	Tammy	NWP-ODT-F	Tammy.M.Mackey@usace.army.mil
Mullan	Anne	NMFS	Anne.Mullan@noaa.gov
Neuenhoff	Rachel	NWP-PME	Rachel.D.Neuenhoff@usace.army.mil
Petersen	Erik	NWP	Erik.S.Peterson@usace.army.mil
Reis	Kelly	ODFW	Kelly.E.Reis@state.or.us
Richards	Natalie	NWP	Natalie.A.Richards@usace.army.mil
Schwabe	Lawrence	Grand Ronde Tribe	Lawrence.Schwabe@grandronde.org
Walker	Chris	NWP-ODT-F	Christopher.E.Walker@usace.army.mil
Wertheimer	Robert	NWP-ODT-FFU	Robert.H.Wertheimer@usace.army.mil

On the phone: Couture, Garletts, Grenbemer, Helms, Mullan, Petersen, Reis, Richards and Schwabe.

1. Final decisions or recommendations made at this meeting.

- 1.1. The February meeting minutes were approved.

2. Action Items

- 2.1. [March 2019] **McKenzie** - ACTION: Couture will follow up with Kurt Kremers on the cost estimate for larger pumps.
- 2.2. [March 2019] **McKenzie** - ACTION: Walker will set up Fish Facility Task Group (doodle poll), may pair with HMT.
- 2.3. [March 2019] **McKenzie** - ACTION: Walker will set up Spawning Survey Task Group (doodle poll), may pair with HMT.
- 2.4. [February 2019] **Monitoring and Evaluation (spawning surveys)** - ACTION: Walker will add spawning survey task group to March agenda. *STATUS: completed.*

3. Updates**3.1. North Santiam**

- 3.1.1. Marion Forks Hatchery
- 3.1.2. Minto Fish Facility – A total of 7 STW have returned to the facility. Mullan noted that 105 have been counted past Bennett.

3.2. South Santiam – Two STW have returned and hauled above Foster.

- 3.2.1. South Santiam Hatchery
- 3.2.2. Foster Fish Facility

3.3. McKenzie

- 3.3.1. McKenzie Hatchery. Couture said ODFW, EWEB and Traylor have been working on a coffer dam plan. The plan will be submitted to WVP office for review. Mullan asked for the plans to be sent directly to Jundt and Mullan as a head start to the review process. Reis said a steep pass ladder will be installed at Leaburg dam to collect hatchery adults. Mackey asked about the option of renting more or larger pumps. Couture said at HMT the option of looking at larger pumps was discussed and ODFW is still working on getting a cost estimate. Mackey said the Corps Small Projects had suggested a coffer dam would run about \$150-\$200K and that it might be more cost effective to rent larger or more pumps. **ACTION: Couture will follow up with Kurt Kremers.**
 - 3.3.2. Cougar Fish Facility - The facility opened on 19 April. One bull trout was caught and 15 more have been detected by the ODFW PIT tag antennas below the dam. Mullan asked if the PIT tagged fish are bull trout or chinook. All the fish are bull trout.
 - 3.3.3. Leaburg Hatchery – The lease should be completed soon. Mackey asked if ODFW has plans to use the hatchery after June because the newspapers were reporting that ODFW was not funding the Leaburg hatchery. Couture said ODFW included an add-on budget item for Leaburg but the Governor’s budget didn’t include it. There is a bill moving through the legislature that has funding Leaburg and a public comment meeting is scheduled. Mackey said that if ODFW is not using the hatchery after June, the housing would need to be vacated as well. She stressed that she is unsure of the legal requirements for timing but wanted to make sure there is awareness at all levels as June approaches.
- 3.4. Middle Fork – There are no health or disease issues. There was considerable damage to smaller structures that are all owned by ODFW. They are working through their insurance to cover the costs of repair and replacement.
- 3.4.1. Willamette Hatchery
 - 3.4.2. Dexter Fish Facility
 - 3.4.3. Fall Creek Fish Facility - Richards said the pipe lining is on hold until the fall but the date isn’t set. Helms reported that the facility opened on 13 March. Two STW were transported. The flows are still pretty low around the project.
- 3.5. HGMP updates - Kruzic was not in attendance to provide an update.
- 3.6. WFFDWG/Research updates. Neuenhoff provided an updates.
- 3.6.1. Foster Downstream Passage – The PDT alternatives will be discussed at WFFDRWG. Spill has been adjusted while the fish weir is out of service. Spill bay 3 at night (1900 – 0700) and turbine ops (no spill) during the day (0700 – 1900). Wertheimer asked how much flow would be spilled. Hogue said a little of over a 1K.
 - 3.6.2. North Santiam out planting productivity study – Genetic clips are to be taken from all adults entering fish facilities basin wide. The study will include analysis for the North Santiam up to and including 2019 and Fall Creek to support the current RME. Carcass samples will be taken but not analyzed.
- 3.7. Water Quality Updates - Walker reminded WFPOM that comments on the Annual Report are due 13 May to Tina Lundell.
- 3.8. Flow update. Yamen reported that all projects are at minimum flows and meeting the Bi Op targets except in the North Santiam. Foster outflows will increase on 27 March. Flow management meeting scheduled for either the 29 March or 05 April. Grembrener asked about

TDG going down on the North. Walker couldn't remember when the unit will return to service. Petersen said the project is waiting on parts and will share an update later today.

Sub-basin	Dam	Minimum Flow (cfs)	Current Flow (cfs)	Primary Use
North Santiam	Big Cliff	1,500	1090	steelhead spawning
South Santiam	Foster	1,500	1963	steelhead spawning
SF McKenzie	Cougar	300	320	rearing
McKenzie	Blue River	50	56	rearing
MF Willamette	Hills Creek	400	439	rearing
MF Willamette	Dexter	1,200	1245	rearing
MF Willamette	Fall Creek	50	71	rearing

3.9. Pinniped Update (ODFW). Reis reported that as of 25 March, 13 CSL were removed from Willamette Falls. Eleven were from the original dozen that first came to the Falls. Two animals are not branded and ODFW is gearing up for work at Bonneville Dam. Wertheimer asked about a Steller updated, Reis did not have an update.

3.10. BPA updates – BPA was not in attendance so there are no updates.

4. Willamette Valley Contract Status-

4.1. Willamette Hatcheries (ODFW). Mackey explained that the new contract will need to be awarded by 31 August 2019. COR work will be a joint venture between FFU and WVP. Mackey also indicated that this new contact would be a base +1 with the idea of moving towards a 5-10 year SATOC. She also noted that there will be some changes this year as there will be more options included to allow flexibility in production, MCK being an example where production may increase with approved HGMPs. Fish facilities may be options as well since those will be owned and funded by WVP.

4.2. Trout (Desert Springs). 2019 releases are 200K lbs. 2020 releases will be 277K lbs. New contract will be awarded in September 2020.

4.3. Monitoring and Evaluation (spawning surveys). The spawning surveys are complete and the contractor provided a draft report. Walker sent this draft report out for regional review and comments are due 05 April. The final report is scheduled for 30 April. The target for the new task order is mid-April so Walker has time to add anything necessary into the scope of work.

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

5.1. 19BCL01 MFR Spawning Flows in North Santiam River. No additional comments.

5.2. 19CGR01 MFR Storm Forced Unit Outages. No additional comments.

5.3. 19FOS04 MFR Spawning Flows in South Santiam River. No additional comments.

6. Fish Operations Plan: WFOP homepage:

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

6.1. Status of WFOP. Finishing up change form discussions.

6.1.1. 19NS016 Ch2_Sect 5.2.2.18. Minto USACE. Walker said the outplanting/disposition table needs to be written and provided. ODFW asked why hauling frequency is important. Mackey reminded WFPOM about the original request from Ed Meyer (NOAA) to move fish daily, if not 24 hours. ODFW suggested separating clipped fish from unclipped fish. – Pending

6.1.2. 19NS017 Ch2_Sect 5.2.2.18_ODFW 02.14.2019 – **duplicate of 19NS016**

6.1.3. 19NS019 Ch2_Sect 6.1. Minto USACE – **approved.**

6.1.4. 19NS020 Ch2_Sect 6.1_ODFW 02.14.2019 – approved, **duplicate of 19NS019**

- 6.1.5. 19NS021 Ch2_Sect 7.1_ODFW 02.14.2019 – no change proposed, just clarification, needs more language
- 6.1.6. 19NS022 Ch2_Sect 8.3.1_ODFW 02.14.2019 – Approved
- 6.1.7. 19SS002 Ch3_Sect 5.2.1.11_ODFW 02.14.2019 – Pending
- 6.1.8. 19SS004 Ch3_Sect 5.2.1.18_ODFW 02.14.2019 – Pending
- 6.1.9. 19SS005 Ch3_Sect 5.2.2.12_ODFW 02.14.2019 – Pending
- 6.1.10. 19SS007 Ch3_Sect 5.2.2.18. Foster USACE – Pending
- 6.1.11. 19SS008 Ch3_Sect 6.1. Foster USACE – Approved
- 6.1.12. 19SS009 Ch3_Sect 7.1_ODFW 02.14.2019 – no change proposed, just clarification, needs more language
- 6.1.13. 19SS011 Ch3_Sect 8.3.2.2_ODFW 02.14.2019 – Pending
- 6.1.14. 19MCK003 Ch4_Sect 5.2.2.18. Cougar USACE – Pending, (daily vs 4 days a week transport)
- 6.1.15. 19MCK004 Ch4_Sect 5.2.2.19. Cougar USACE – Pending (Reis will check with Ziller)
- 6.1.16. 19MCK006 Ch4_Sect 5.2.1.8_ODFW 02.14.2019 – Pending
- 6.1.17. 19MCK008 Ch4_Sect 5.2.1.18_ODFW 02.14.2019 – Pending
- 6.1.18. 19MCK009 Ch4_Sect 5.2.2.18_ODFW 02.14.2019 – Pending
- 6.1.19. 19MFW001 Ch5_Sect 5. Dexter Fall Creek USACE – Approved
- 6.1.20. 19MFW002 Ch5_Sect 5. Dexter USACE – Pending
- 6.1.21. 19MFW003 Ch5_Sect 5.1_ODFW 02.14.2019 – Pending
- 6.1.22. 19MFW004 Ch5_Sect 5.2.1.2_ODFW 02.14.2019 – Pending
- 6.1.23. 19MFW005 Ch5_Sect 5.2.1.4_ODFW 02.14.2019 – Pending
- 6.1.24. 19MFW006 Ch5_Sect 5.2.1.10_ODFW 02.14.2019 – Pending
- 6.1.25. 19MFW007 Ch5_Sect 5.2.1.11_ODFW 02.14.2019 – Pending
- 6.1.26. 19MFW009 Ch5_Sect 5.2.1.18_ODFW 02.14.2019 – Pending
- 6.1.27. 19MFW010 Ch5_Sect 5.2.2.5_ODFW 02.14.2019 – Pending
- 6.1.28. 19MFW012 Ch5_Sect 5.2.2.16_ODFW 02.14.2019 – Pending
- 6.1.29. 19MFW013 Ch5_Sect 5.2.2.18. Fall Creek Dexter USACE – Pending
- 6.1.30. 19MFW014 Ch5_Sect 5.2.2.18_ODFW 02.14.2019 – Pending
- 6.1.31. 19MFW016 Ch5_Sect 5_ODFW 02.14.2019 – Pending
- 6.1.32. 18NS003 – Maintenance Periods – Pending (Mullen, Kelley, Taylor, Reis to meet)

7. Task Group Updates.

- 7.1. Adult Fish Facility task group – scheduled to occur during what was the April HMT meeting time. This task group will address WFOP change forms that need further refining and discussion regarding fish facility hauling frequency.
- 7.2. Hatchery Management Team (HMT) – normally scheduled meeting will be taken over by the Adult Fish Facility task group.
- 7.3. SWIFT, Flow task group (Piaskowski) – no update
- 7.4. Total Dissolved Gas/Maintenance Periods task group (Walker)

- 8. **Spawning Survey task group** (Wertheimer, Walker). The task group meeting started at 1100. Wertheimer started the meeting with the idea of collaborating on a path forward for this year. Reis asked if the discussion was going to occur now. Walker and Wertheimer said that was the intent with this agenda item. Reis said ODFW does not have the appropriate personnel for that discussion now.

Wertheimer provided an example of how the data are intriguing. At the North Santiam, Derek Faber was hired to install PIT tag detection at Lower Bennett dam as part of the adult studies in 2012-13. Wertheimer noted some concerns regarding the Bennett dams conditions at that time. He suggested

that the 2018 data is real and that it is up to the biologists to interpret what the data mean. They could indicate changing conditions, spawning times, etc.

Collaboration between Corps and ODFW is critical to ensure a productive path forward. Mullan asked if comments should be provided before the meeting or after. Wertheimer suggested waiting until the comments are in. Walker suggested the spawning task group meeting occur after the April WFPOM meeting. He said he has been incorporating comments and suggestions as he gets them but time is running out for being able to incorporate comments into the upcoming contract.

Wertheimer described USACE contract process.