

MEMORANDUM FOR THE RECORD

Subject: FINAL minutes for the 19 February 2019 HMT meeting.

The meeting was held in the large conference room at the Adair ODFW Office. In attendance:

Last	First	Agency	Email
Boyd	Brett	ODFW	Brett.h.boyd@state.or.us
Couture	Ryan	ODFW	ryan.b.Couture@state.or.us
Garletts	Doug	NWP-OD-V	Douglas.F.Garletts@usace.army.mil
Helms	Chad	NWP-OD-V	Chad.K.Helms@usace.army.mil
Kovalchuk	Erin	NWP-OD-TF	Erin.H.Kovalchuk@usace.army.mil
Kremers	Kurt	ODFW	kurt.kremers@state.or.us
Kruzic	Lance	NOAA	Lance.Kruzic@noaa.gov
Traylor	Andrew	NWP-OD-TF	Andrew.W.Traylor@usace.army.mil

On the phone: Boyd, Kovalchuk, Kremers and Kruzic.

1. Final decisions or recommendations made at this meeting.

1.1. January meeting minutes were approved.

2. Action Items.

2.1. Willamette Hatchery Broodstock Pond – No Action. The broodstock pond is a line item in the 2020 budget but Traylor is not sure if money has been allocated yet. The new pond is listed in the draft hatchery BiOp. The old design plans were posted on the website but HMT would like to update the designs. HMT needs to decide what to do with the amount of money in the budget since it is not enough to do the whole project. The USACE will likely contract out the construction of the new pond. ODFW will assist with design.

2.2. Leaburg Property Transfer Update – No Action. Mackey brought up this matter at the District but still no action. Couture said the funding for Leaburg was cut from the Governor's budget but it could possibly still come through as a possible bill this legislative session.

2.3. Willamette Hatcheries Genetic Clips – No Action. HMT had discussed adding steelhead clips at Minto and Foster to the scope of work and this needs to be added to the proposal. Neuenhoff is the POC for the contract. Fall Creek steelhead could be added and Garletts said that they took STW clips this year. Kruzic suggested letting someone from ODFW know about the clips, WVP is currently storing the samples. Kruzic is waiting for comments on the BiOp to indicate which steelhead clips are priority, but likely those within the DPS (North and South Santiam) are the priority for now. Couture will work with O'Malley to get a cost estimate for 2019 including steelhead samples

3. Updates.

3.1. Marion Forks/Minto (Grenbemer) – MF: lots of snow and working on transferring some production to the lower river. Minto: one unmarked STW for a season total of three. Volitional release started last week.

3.1.1. Estimate review for isolation values, raceway/pond valves – Couture sent the cost estimate to Traylor. The bid may be an underestimate, as it does not include some items that may be necessary. Another contractor is working on a bid as well. Looking at the bid, Traylor thought there was \$37K which would only be enough for one bank

of ponds. Due to mob/demob costs, it would be more efficient to do it all at once. FY20 budget has additional funding for this project. Couture will see if they can buy the valves with the \$37K but it is risky to purchase the valves separate in case they are not the right size as the piping.

3.2. South Santiam/Foster (Boyd) – Foster is shut down for maintenance until March. Khan is doing maintenance on camera equipment for his study. Winter maintenance is going well. A PDT is working on the ladder fix alternatives. Fish health is good. STS egg allocations were met. Spring release is complete and acclimating 160k smolts from Willamette. STS yearlings will be transferred over to Minto this month. STS spring releases start April 1. Fry are in the incubators without any problems. The finger weir at Foster was repaired. Maintenance crews also worked on the post sort pool screens that had popped out of place, the pennants/controls have lots of corrosion, and the brushes in the fish lock, brailles, and post sort pool have been replaced. There is also general preventative maintenance like replacing limit switches and other components. STS spawning finished right after the beginning of the year. They had enough to meet the egg needs early. Willamette/ BON allocations were completed right after the holidays. The last spawn day was 03 January. The PDT working on ladder temperatures are looking at tapping into an existing intake for the ladder fix alternatives.

3.3. McKenzie (Kremers) – The major issue is the water supply. Last week they finished their egg incubation. It is possible to get 10cfs out of the canal with a coffer dam possibly 15. With Coswell Creek, they were able to get 25cfs and had seven ponds running. The amount of water in the creek varies throughout the year and the valley is way behind on rainfall. The facility ladder can operate on 10-12cfs but with all the juvenile ponds running, the facility would require an additional 40cfs of attraction water. The total system is about ~50cfs. ODFW has been going through several designs of a coffer dam with FERC and EWEB and thinks they will use eco blocks. The canal can only be raised a few inches due to concern about rain events.

3.3.1. Leaburg Canal outage (barrier dam, steppass at Leaburg) Ziller and other have been working on a steppass design at Leaburg to aid in sorting fish. Extra broodstock can be potentially be taken from here if not enough fish return to McKenzie hatchery. Couture asked about the process for the barrier dam. Once there is a barrier dam design that works for EWEB and FERC, then USACE engineers will review and send out to a contract. There is less flexibility in this method but there are benefits for environmental compliance. Small projects will administer the project with input from ODFW and EWEB. Traylor has concern that there will be changes to the barrier dam design and have to start the 60 day FERC review process again. Couture said that they have been coordinating with EWEB and FERC already. The bed surface in the canal is larger gravel and ground preparation may have to be done to work with the eco blocks. All construction is likely “in water work”. Currently, there is about 100cfs in the canal; there could be concerns of warm water this summer. Kruzic asked if the barrier dam would provide the normal operating flow or the minimum. Couture said it is closer to the minimum flow. The elevation of the coffer dam design is limited by FERC and EWEB due to flooding concerns. Kruzic suggests including in the requests to EWEB and FERC the actual water need in case there is flexibility. NOAA recommended looking at using the intake pipe from some previous hatchery repairs as long term fix. The pipe was localized around the work site and would require a couple miles of pipe back to the hatchery but there are highway crossing and residential issues involved in that strategy. Kruzic would like to encourage a fix so the hatchery could have as much water as possible especially with the Leaburg issues. The canal will most likely not be fixed before the spring chinook run. Kruzic needs more details on the steppass to give his recommendation. Leaburg just released 200ks smolts but for the next two releases they will move the smolts to McKenzie for a couple weeks for acclimation before releasing and then redo with the third and last group. They should have enough water

to run around six ponds. Fry are doing well; fish health is good. ACTION: Traylor will check with contracting on the contract mod for transporting fish from McKenzie to Leaburg and the cost of pump rentals.

- 3.4. **Cougar Trap** (Helms) – The facility is scheduled to open the week of 18 March. No major maintenance but a couple of minor valves issues still need to be addressed.
- 3.5. **Fall Creek** (Garletts) – The facility should be open by Mid-March. The contractor may not finish on time and could possibly come back next year.
- 3.6. **Willamette/Dexter** (Peck) – Releases have begun and no issues. 267K fish were hauled to S. Fork for release but it was delayed a few days due to weather. S. Santiam chinook got hauled back to S. Santiam. Couture asked about Ziller's proposal of releasing Chinook smolts at the base of the Fall Creek Dam to test the new Fall Creek facility with returning adults [*This proposed release was for Little Fall Creek, not Fall Creek as later clarified through email. See below*]. Garletts said they haven't released Chinook smolts there since 2009. The chinook were eliminated in the Bi Op because there were decent numbers of wild adults returning. Kruzic would not like hatchery chinook released at Fall Creek for the test.
- 3.7. **Draft BiOp** – The draft Bi Op was submitted to ODFW and the USACE for review. Comments are due by Mid-March. The Bi OP will stress important monitoring that needs to be reinstated to assess how well the programs are working. The major change is incorporating more wild fish into the hatchery broodstock and it will be based on the size of the wild run. The broodstock should mimic the natural population. Traylor said that the USACE will try to get all comments completed by mid-March, collated and sent to NOAA the following week. ODFW might get more time too.

Comments via email regarding 3.6

-----Original Message-----

From: Jeffrey Ziller [mailto:Jeffrey.S.Ziller@state.or.us]

Sent: Monday, March 04, 2019 10:05 AM

To: Ryan Couture <Ryan.B.Couture@state.or.us>; Traylor, Andrew W CIV USARMY CENWP (USA) <Andrew.W.Traylor@usace.army.mil>; Brett Boyd <brett.h.boyd@state.or.us>; Dan Peck <dan.peck@state.or.us>; Elise Kelley <elise.x.kelley@state.or.us>; Garletts, Douglas F CIV USARMY CENWP (USA) <Douglas.F.Garletts@usace.army.mil>; Greg Grenbemer <greg.a.grenbemer@state.or.us>; Helms, Chad K CIV USARMY CENWP (USA) <Chad.K.Helms@usace.army.mil>; Jeff Ziller <Jeffrey.S.Ziller@state.or.us>; Jeremy Romer <Jeremy.Romer2@oregonstate.edu>; Kelly Reis (kelly.e.reis@state.or.us) <kelly.e.reis@state.or.us>; Kovalchuk, Erin H CIV USARMY CENWP (US) <Erin.H.Kovalchuk@usace.army.mil>; Kurt Kremers <kurt.kremers@state.or.us>; Lance Kruzic - NOAA Federal <lance.kruzic@noaa.gov>; Piaskowski, Richard M CIV (USA) <Richard.M.Piaskowski@usace.army.mil>; Mackey, Tammy M CIV USARMY CENWP (US) <Tammy.M.Mackey@usace.army.mil>; Taylor, Gregory A CIV USARMY CENWP (US) <Gregory.A.Taylor@usace.army.mil>; Walker, Christopher E CIV USARMY USACE (US) <Christopher.E.Walker@usace.army.mil>; Walker, Ricardo W CIV USARMY USACE (USA) <Ricardo.W.Walker@usace.army.mil>

Subject: [Non-DoD Source] RE: meeting minutes

FYI - The Little Fall Creek proposal we are contemplating is to evaluate the use of Little Fall Creek fish ladder by Chinook salmon. We would PIT tag a group of smolts and release them into Little Fall Creek above the falls. A PIT tag

detection array on the ladder would be used to detect Chinook movement through the ladder when the adults return.

Jeff Ziller
South Willamette Watershed District Fish Biologist
Oregon Department of Fish and Wildlife
Office 541-726-3515
Cell 541-954-0796
jeffrey.s.ziller@state.or.us
Blocked<http://www.dfw.state.or.us>

-----Original Message-----

From: Ryan Couture <Ryan.B.Couture@state.or.us>
Sent: Monday, March 4, 2019 8:39 AM
To: Traylor, Andrew W CIV USARMY CENWP (USA) <Andrew.W.Traylor@usace.army.mil>; Brett Boyd <brett.h.boyd@state.or.us>; Dan Peck <dan.peck@state.or.us>; Elise Kelley <elise.x.kelley@state.or.us>; Garletts, Douglas F CIV USARMY CENWP (USA) <Douglas.F.Garletts@usace.army.mil>; Greg Grenbemer <greg.a.grenbemer@state.or.us>; Helms, Chad K CIV USARMY CENWP (USA) <Chad.K.Helms@usace.army.mil>; Jeff Ziller <Jeffrey.S.Ziller@state.or.us>; Jeremy Romer <Jeremy.Romer2@oregonstate.edu>; Kelly Reis (kelly.e.reis@state.or.us) <kelly.e.reis@state.or.us>; Kovalchuk, Erin H CIV USARMY CENWP (US) <Erin.H.Kovalchuk@usace.army.mil>; Kurt Kremers <kurt.kremers@state.or.us>; Lance Kruzic - NOAA Federal <lance.kruzic@noaa.gov>; Piaskowski, Richard M CIV (USA) <Richard.M.Piaskowski@usace.army.mil>; Ryan Couture (ryan.b.couture@state.or.us) <ryan.b.couture@state.or.us>; Mackey, Tammy M CIV USARMY CENWP (US) <Tammy.M.Mackey@usace.army.mil>; Taylor, Gregory A CIV USARMY CENWP (US) <Gregory.A.Taylor@usace.army.mil>; Walker, Christopher E CIV USARMY USACE (US) <Christopher.E.Walker@usace.army.mil>; Walker, Ricardo W CIV USARMY USACE (USA) <Ricardo.W.Walker@usace.army.mil>
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Andy, just a few edits.

Also, the conversation regarding releases into Fall Creek was a mistake on my part. Jeff and I had talked about releases into Little Fall Creek. we can follow up with that topic at a future HMT meeting.

Thanks
Ryan