

## MEMORANDUM FOR THE RECORD

Subject: FINAL minutes for the 16 April 2019 HMT meeting.

The meeting was held at the ODFW Adair Village office. In attendance:

| Last       | First  | Agency                    | Email  |
|------------|--------|---------------------------|--|
| Couture    | Ryan   | ODFW                      | <a href="mailto:ryan.b.Couture@state.or.us">ryan.b.Couture@state.or.us</a>                   |
| Garletts   | Doug   | NWP-OD-V                  | <a href="mailto:Douglas.F.Garletts@usace.army.mil">Douglas.F.Garletts@usace.army.mil</a>     |
| Grenbemer  | Greg   | ODFW- Marion Forks/ Minto | <a href="mailto:Greg.A.Grenbemer@state.or.us">Greg.A.Grenbemer@state.or.us</a>               |
| Helms      | Chad   | NWP-OD-V                  | <a href="mailto:Chad.K.Helms@usace.army.mil">Chad.K.Helms@usace.army.mil</a>                 |
| Kelley     | Elise  | ODFW                      | <a href="mailto:elise.x.kelley@state.or.us">elise.x.kelley@state.or.us</a>                   |
| Kruzic     | Lance  | NOAA                      | <a href="mailto:Lance.Kruzic@noaa.gov">Lance.Kruzic@noaa.gov</a>                             |
| Reis       | Kelly  | ODFW                      | <a href="mailto:Kelly.E.Reis@state.or.us">Kelly.E.Reis@state.or.us</a>                       |
| Walker     | Chris  | NWP-ODT-F                 | <a href="mailto:Christopher.E.Walker@usace.army.mil">Christopher.E.Walker@usace.army.mil</a> |
| Wertheimer | Robert | NWP-ODT -FFU              | <a href="mailto:Robert.H.Wertheimer@usace.army.mil">Robert.H.Wertheimer@usace.army.mil</a>   |
| Whitman    | Luke   | ODFW                      | <a href="mailto:Luke.whitman@oregonstate.edu">Luke.whitman@oregonstate.edu</a>               |
| Ziller     | Jeff   | ODFW                      | <a href="mailto:Jeffrey.S.Ziller@state.or.us">Jeffrey.S.Ziller@state.or.us</a>               |

On the phone: Garletts, Grenbemer, Kruzic, Reis and Ziller.

All documents available at:

[http://pweb.crohms.org/tmt/documents/FPOM/2010/Willamette\\_Coordination/](http://pweb.crohms.org/tmt/documents/FPOM/2010/Willamette_Coordination/)

## 1. Action Items.

- 1.1. **Approve March Minutes** – The edited minutes were approved.
- 1.2. **Willamette Hatchery Broodstock Pond** – This item was not funded in FY20 but it is in the FY21 budget.
- 1.3. **Leaburg Property Transfer Update** – The Real Estate office is adding additional language such as closeout procedures and should be contacting ODFW soon. Couture asked how the problems at McKenzie might affect this lease, as rearing McKenzie Spring Chinook at Leaburg might be required. Walker said there are options within the lease document.
- 1.4. **Willamette Hatchery Genetic Clips** – The task order is moving forward and using O'Malley's lab for analysis and storage. Couture said that Traylor had recommended including STW but that Neuenhoff was separating STW out into a separate award. Walker will check on this issue. Garletts said he has genetic samples from 2013- present on Fall Creek STW.
- 1.5. **McKenzie Hatchery Water Supply** – Kremers has contacted several companies and they indicate a submersible pump would be the best. The proposed lift is considerable even for these companies. With the flooding, the water level is high right now and they can pull in 10cfs. Kremers has concerns about the first contractor's proposal but has another company coming in on Thursday. Walker asked about contingency plans. EWEB submitted their final plans to FERC including draft plans for the coffer dam. ODFW would like to go with the pumps, if the timing and cost works out. Couture thinks that the best contingency plan for rearing is to move the fish to Leaburg but for broodstock collection Ziller is designing a steep pass. The cost estimate should be available in the next week. Ziller would like this as a contract modification to the McKenzie hatchery. Kruzic stressed that Jundt would like to see the design.

## 2. Updates.

**2.1. Marion Forks/Minto (Grenbemer) – MF** - High water caused some minor damage. All chinook have been ponded. The smolts have been transferred to Molalla. Minto had high gas levels for over a month. The CHS smolts were released a week earlier than scheduled due to the flooding. The StW collection is at 63, 14 above transferred above Minto and the others taken to Mehama due to the high gas levels. Seven fish have returned from Mehama. Wertheimer asked about avian predators during releases. Grenbemer said there are mergansers usually about 15-20 present but not significant compared to other places he has seen. Grenbemer asked if the plan was to return the Big Cliff unit back in service by the 18<sup>th</sup>. Walker will follow up after the meeting.

**2.1.1. Valves** - Walker received the cost estimate. The quote is per valve and Walker needs to know how many valves. The budget for FY19 has \$57K. The question will be purchasing all valves or purchasing some and installing those valves. The best timing for installation would be spring. Walker asked about buying some valves this year and if they could be installed the end of the fiscal year (October). There are fiscal law issues with buying something this fiscal year for next year. Couture wasn't sure if they could be installed this year especially since the drawings might not be completely accurate.

**2.2. South Santiam/Foster (Boyd)** – High water caused flooding at the facility. No StW were outplanted last week; the season total remains at 23 unmarked StW.

**2.3. McKenzie (Kremers)** – Fish health is good. The April release was a couple days after the peak flows. The high water caused damage to the fish ladder. Kremers thinks a log must have hit the ladder wall taking out a chunk of cement. The intake for the spray pump was high and dry but they were able to lower it into the water column to help remove debris.

**2.3.1. Leaburg Canal outage** -

**2.4. Cougar Trap (Helms)** –The facility opened 19 March. Four Bull Trout have been caught and released into the forebay. The highway is still closed and is expected to reopen at the end of May.

**2.5. Fall Creek (Garletts)** – 20 StW were collected. No damage to the facility or the release site was noticed from the high water. Wertheimer asked what happens to the kelts and suggested using the ultrasound equipment to determine if the fish have spawned. The phone connection was not good and it was hard to hear Garletts responses. Two out of the 20 ST were determined to be kelts.

**2.6. Willamette/Dexter (Peck)** – Dexter is still closed. Highway 58 was closed again. There were no gas issues at Dexter. Ziller didn't think there were any fish left at Dexter. Willamette production is going well.

**3. Spawning Surveys Discussion/Task Group** – Walker has taken the agencies' input and put these suggestions into the Scope of Work for the 2019 contract. Wertheimer is going to be COR going forward on the spawning surveys, trout, Cole M Rivers and Willamette Valley Hatcheries contracts. The COR is the Contracting Officer Representative. Wertheimer asked if the contractor has the complete data set. Luke Whitman said that ODFW shared the carcass data set with the contractor and vice versa. The recovery rate for the McKenzie is very low and with both crews, the sample size was larger than in the past. Whitman is finishing up their spawning survey report and is also updating Sharpe's report from 2017 that has the outplant strategy. Wertheimer would like to collaborate to make the best strategy for the future. Whitman said that there was no agreement from the contractor that they would share the data. Whitman would like to include video monitoring at Lebanon and Bennett for pHOS instead of just relying on carcass surveys. Walker asked if the counts are ending soon. Bennett ends in June. The video system could be left in place but ODFW doesn't have a means of processing the counts. Wertheimer asked about the definition of natural origin fish and Kelley explained that any fish reared in wild regardless of parental stock would be considered a NOR.

Wertheimer said that the genetics of hatchery and wild fish are pretty similar within a sub basin. Wertheimer wants to make sure all the contracts are valuable since the OM budgets are shrinking. Kruzic said that the upcoming hatchery BiOP will have the top priorities for NOAA for evaluating the hatchery programs including the pedigree analysis, research and monitoring above the dams and video monitoring. Kruzic said they have a lot of data on the surveys below the dam and that it would be secondary for them. Management needs information on how many wild fish are coming back to the facilities to help make decisions on integration of the wild stock. Whitman said that he thinks the value of the below dam surveys is the pre-spawn mortality and if the effort is already being made to collect that then the additional work is not that much. Wertheimer agreed that the pre-spawn mortality is important. Kruzic suggested trying to reproduce the information by using trends and other analyzed metrics and use the funds for more important programs. Whitman said that the coded wire information from last year is confusing and needs to be looked at. The wands for the coded wire tags are expensive and Kelley heard a rumor that a phone app was used to collect data. Whitman thought the methods in the scope of work seemed appropriate but that their redd counts were off considerably from past years and thought that a lack of experience may have come into play. Walker said that the contract says they need to scan all the fish but it doesn't say with what method or have an efficiency percentage of scans that need to be read. Kelley asked how often the contractor sends their data for QAQC. Wertheimer said that these are two different things. The QAQC can be throughout the whole contract and he likes to make sure QAQC starts immediately so that they can have confidence in the contractor. The deliverables are throughout the season. Kelley felt that the data was disorganized. Walker said that the contract requires monthly reports and he could add a template for organization. Whitman recommended electronic collection in the field to help data organization. Wertheimer asked if he could get access to a mega data set but Whitman doesn't keep the data up to date due to staffing.

- 4. Fish Disposition (2019)** – This table is similar to the last several years. Walker had a question about why fish were held for the Breitenbush releases. Grenbemer said that a radio tagged survey showed that fish showed up in the North Santiam so the release is now later than they used to be and it seems to work (i.e. fish stay to spawn in the Breitenbush). North Santiam fish numbers were approved with the addition of adding the 450 females. The numbers should be consistent with the HGMPs. After the BiOp comes out, another line will be added for the NORs. A separate work group may be needed to work the NOR numbers out. The S. Santiam looks the same as last year but Boyd thought that some language on holding fish might be necessary. Walker thought that the holding at Foster was a unique scenario but Couture said that it is more routine than previous thought and ODFW has incorporated that into the outplanting framework. There is language in the WFOP for this situation. Kruzic asked about outplanting Chinook above Green Peter. Reis said that it is discussed informally at Steering Team but never a full discussion. McKenzie Cougar trap numbers were good. Ziller asked when the outplanting above Cougar should increase based on the improvements for downstream passage. Kruzic suggested the fall before the improvements are made. Kremers said that they have been releasing above Frissell Crossing and they utilize the habitat available. Kruzic said that there isn't enough pedigree information on the wild fish at Cougar. Kremers will continue to do the higher upstream release. Kruzic wants to plan for five years before the improvements are done and wants wild fish instead of putting a lot of hatchery fish out there. Kruzic asked if there is information on if the 200 males is enough or not. No one was aware of any information. Reis asked about the 300 pairs from Willamette H. going to McKenzie. Kremers said the canal level will drop in the summer but if the water is going to the adult ponds, it should be okay, however ODFW will evaluate alternative holding locations/options. Couture said there is a chance of less fish above Lookout due to the ongoing RM&E. Couture said the target was reduced in 17 & 18 by almost half. Ziller didn't think there were any additional studies and the target can go back to what it used to be. The priority for unmarked Chinook at Dexter can go into the brood stock but there is also the flexibility to outplant in the North Fork/Middle Fork for logistic reasons. Kruzic recommended adding a line for ChS at Fall Creek as well.

**5. Adult Fish Facility Task Group (WFOP change forms)** – Couture provided a handout to Walker addressing most of the following change forms. See W-FPOM website for current status.

- 5.1.1.19NS016 Ch2\_Sect 5.2.2.18. Minto USACE – Pending
- 5.1.2.19NS017 Ch2\_Sect 5.2.2.18\_ODFW 02.14.2019 – **same section as 19NS016**
- 5.1.3.19SS002 Ch3\_Sect 5.2.1.11\_ODFW 02.14.2019 – Pending
- 5.1.4.19SS004 Ch3\_Sect 5.2.1.18\_ODFW 02.14.2019 – Pending
- 5.1.5.19SS005 Ch3\_Sect 5.2.2.12\_ODFW 02.14.2019 – Pending
- 5.1.6.19SS007 Ch3\_Sect 5.2.2.18. Foster USACE – Pending
- 5.1.7.19SS011 Ch3\_Sect 8.3.2.2\_ODFW 02.14.2019 – Pending
- 5.1.8.19MCK003 Ch4\_Sect 5.2.2.18. Cougar USACE – Pending, (daily vs 4 days a week transport)
- 5.1.9.19MCK004 Ch4\_Sect 5.2.2.19. Cougar USACE – Pending (Reis will check with Ziller)
- 5.1.10. 19MCK006 Ch4\_Section 5.2.1.8\_ODFW 02.14.2019 – Pending
- 5.1.11. 19MCK008 Ch4\_Section 5.2.1.18\_ODFW 02.14.2019 – Pending
- 5.1.12. 19MCK009 Ch4\_Section 5.2.2.18\_ODFW 02.14.2019 – Pending
- 5.1.13. 19MFW002 Ch5\_Sect 5. Dexter USACE – Pending
- 5.1.14. 19MFW003 Ch5\_Sect 5.1\_ODFW 02.14.2019 – Pending
- 5.1.15. 19MFW004 Ch5\_Sect 5.2.1.2\_ODFW 02.14.2019 – Pending
- 5.1.16. 19MFW005 Ch5\_Sect 5.2.1.4\_ODFW 02.14.2019 – Pending
- 5.1.17. 19MFW006 Ch5\_Sect 5.2.1.10\_ODFW 02.14.2019 – Pending
- 5.1.18. 19MFW007 Ch5\_Sect 5.2.1.11\_ODFW 02.14.2019 – Pending
- 5.1.19. 19MFW009 Ch5\_Sect 5.2.1.18\_ODFW 02.14.2019 – Pending
- 5.1.20. 19MFW010 Ch5\_Sect 5.2.2.5\_ODFW 02.14.2019 – Pending
- 5.1.21. 19MFW012 Ch5\_Sect 5.2.2.16\_ODFW 02.14.2019 – Pending
- 5.1.22. 19MFW013 Ch5\_Sect 5.2.2.18. Fall Creek Dexter USACE – Pending
- 5.1.23. 19MFW014 Ch5\_Sect 5.2.2.18\_ODFW 02.14.2019 – Pending
- 5.1.24. 19MFW016 Ch5\_Sect 5\_ODFW 02.14.2019 – Pending