

MEMORANDUM FOR THE RECORD

Subject: DRAFT minutes for the 20 July 2016 Willamette HMT meeting.

The meeting was held as a conference call. In attendance:

| Last | First | Agency | Email |
|-----------|---------|---------------------------|--|
| Garletts | Doug | NWP-OD-V | Douglas.F.Garletts@usace.army.mil |
| Grenbemer | Greg | ODFW- Marion Forks/ Minto | Greg.A.Grenbemer@state.or.us |
| Helms | Chad | NWP-OD-V | Chad.K.Helms@usace.army.mil |
| Kremers | Kurt | ODFW - McKenzie | Kurt.kremers@state.or.us |
| Sharpe | Cameron | ODFW | cameron.sharpe@oregonstate.edu |
| Traylor | Andy | NWP-OD-TF | Andrew.Traylor@usace.army.mil |
| Walker | Chris | NWP-OD-TF | Christopher.e.walker@usace.army.mil |

2. Finalized results from this meeting.

2.1. June minutes approved.

3. All documents may be found at http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/Willamette_Coordination/Willamette%20HMT/

4. Action Items.

5. [June 16] Pre-spawn mortality at Willamette Hatchery - **ACTION:** Sharpe to look for correlation between run time and pre-spawn mortality, re-review Chris Caudill and George Naughton telemetry work, speak with Jerri regarding sentinel fish and stock specific difference concept. **UPDATE [July 20]:** Walker distributed the paper “DISEASE RISKS ASSOCIATED WITH HATCHERIES IN THE WILLAMETTE RIVER BASIN” by Jerri Bartholomew. Sharpe reviewed and found no strong management recommendations based off results. In querying others, stock specific differences seem unlikely and a more plausible explanation might point towards more run timing. Middle Fork Willamette adults may return and enter the lower Willamette earlier in the season, exposing them for a longer time period to potential pathogens. Adults returning to other subbasins may migrate later in the year resulting in less possible exposure time. Next steps would involve working with Jerri’s group and possibly others to find out if there is a way to experimentally test this hypothesis.

6. Updates.

6.1. **Marion Forks/Minto.** Grenbemer reported that all marking and clipping is completed at Marion Forks. Fish health is good. They have seen one pond with increased mortalities and are working with pathology to diagnose. Sharpe reported that progress has been made on installing seasonal weirs on both Horn and Marion Creeks. The weir panels have been constructed but the pickets that fill the panels are not quite finished. The remaining pickets are expected to be delivered on Tuesday of next week, with priority given to installing Marion Creek first, because the upper weir is already installed on Horn Creek. With the weirs completed, fish could be outplanted by mid-week next week. Grenbemer stated that his crew is installing the Dry Creek outplanting site tomorrow.

Regarding summer steelhead, Minto has collected 3,166 new fish. For spring Chinook, 1,488 marked adults, and 313 non-marked adults have been collected. 4 year old adults coming back this year have been acclimated at Minto as juveniles. This is the first large group of adults to have experienced acclimation at the rebuilt facility. Sharpe noted that it will be interesting to see if there is a difference between 4 and 5 year old adults this year. Next year, essentially all adults will have experienced acclimation at the rebuild facility.

Grenbemer also reported that the Detroit maintenance crew had pulled FWS Pump 4 for bearing rehab.

6.2. South Santiam/Foster. Boyd was not in attendance but provided the following report:

Adult Info: The trap is currently being operated twice a week to process new fish. There are large numbers of Chinook currently holding below the dam, we are working with Fenton and U of I on a 10 day study where we alternate the ladder entrance configuration to see if fish movement improves. All safety concerns have been addressed by the Foster Maintenance staff and we are in compliance with OSHA.

ChS: Ad – 497M, 526F = 1,023 total – Currently have met 80% of brood needs. Will easily make brood goals. Nomark – 98M, 78F = 176 Total – All fish are being released at Gordon Rd. Water temps are starting to be an issue, we are hauling fish early in the morning when temps are low.

StS: 2472 Total return. 1589 recycled to date, we will meet the recycling goal of 1900 before August 1. All recycling will cease August 1. 85% of brood needs met.

Juveniles: IHN is still present in our StS juveniles. The loss is coming down daily but still high. We continue to work with our Pathology dept., fish are being tested weekly. The Chinook juveniles were split last month and are healthy.

Sharpe reported on the winter steelhead spawning surveys that have been completed recently. His crews found that winter steelhead were spawning later than traditionally expected; in some cases 2 months later than typical of other river systems. Survey crews counted 3 fresh redds in Canyon Creek in the middle of July. It appeared that in most cases, winter steelhead redds were not constructed until after summer steelhead spawning had ceased. Sharpe asked, given this later spawn timing, if any changes to the in-stream work window need to be considered. Members of HMT could not identify any adverse construction or flows change activities that would occur during this time.

6.3. McKenzie. Kremers reported on adult collection for McKenzie. To date, they have collected 1,735 adults. Of those 23 were non-marked and released at Greenwood Boat Ramp. Currently they are 80% of brood needs and have 160 pairs for outplanting purposes. They have collected 25 summer steelhead so far, which is a bit higher than normal. Hopefully they will collect another 100 females or so for outplanting.

Juvenile fish are all marked and tagged and fish health is excellent so far.

Sharpe reported that water chemistry testing was completed before and after the Cogswell Creek Mixing project. The “After” samples were collected last week and should be processed in November.

Sharpe also reported large numbers of hatchery-origin fish passing Leaburg Dam, resulted in an estimated 30% pHOS above Leaburg. He stated that his crews are ready to start trapping at Leaburg as early as Monday. EWEB activities should be conducive to trapping operations this year, as they plan to dewater the right bank spill gates and permit increased removal of HORs from the trap in the left bank ladder.

6.4. Cougar Trap. Helms reported that they have collected 150 spring Chinook adults at Cougar thus far. All fish have been recycled and, of those, 12 adults have returned and were transported above the dam.

6.5. Fall Creek. Garletts reported that they have collected 370 non-marked spring Chinook adults and 22 marked spring Chinook adults at Fall Creek thus far. Additionally, they have collected 8 winter steelhead and 38 summer steelhead. Collection numbers are starting to decrease as is typical for Fall Creek during this time of year.

6.6. Willamette/Dexter. No update from Peck. Sharpe reported that 687 fish have been outplanted in the NFMM, in a combination of outplanting efforts from both USACE and ODFW.

6.7. Leaburg. Withalm was not present but provided this update:

All stocks of fish are healthy and at target size. Weekly trout liberations continue, although are starting to slow down, giving us the ability to catch up on maintenance projects.

Adult summer steelhead collection has been extremely low. Only two recycles occurred, for a total of 58 fresh fish entering the trap. Last year we had 191 fresh fish by this date, and it was a low water year. Previous years have been 300-600 fresh fish by this time.

No more adult Chinook collected in the trap lately. A total of 18 fish were transferred to McKenzie Hatchery this year.

Crew is busy pressure washing ponds in preparation for receiving next year's trout fingerlings from Willamette.

Alarm system at intake is currently inoperable. System is outdated and will be replaced in the coming weeks with help from ODFW Engineering. In the meantime, on-call procedures have been modified since we're relying on our back-up air raid siren to indicate loss of supply water.

6.8. The meeting was adjourned at 10:30am. The next HMT is scheduled for 17 August.