

Memorandum for the Record

SUBJECT: Minutes for the Willamette Fish Passage Operation and Maintenance Meeting April meeting.

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

Last	First	Agency	Email
Burchfield	Stephanie	NMFS	Stephanie.burchfield@noaa.gov
Chane	Ian	NWP	Ian.b.chane@usace.army.mil
Dishman	Diana	NMFS	Diana.dishman@noaa.gov
Garletts	Doug	NWP-OD-V	Douglas.F.Garletts@usace.army.mil
Helms	Chad	NWP-OD-V	Chad.K.Helms@usace.army.mil
Khan	Fenton	NWP-PM-E	Fenton.o.khan@usace.army.mil
Richards	Natalie	NWP	Natalie.A.Richards@usace.army.mil
Sharpe	Cameron	ODFW	Cameron.sharpe@oregonstate.edu
Spear	Dan	BPA	djspear@bpa.gov
Taylor	Greg	NWP	Gregory.A.Taylor@usace.army.mil
Traylor	Andrew	NWP-OD-TF	Andrew.W.Traylor@usace.army.mil
Walker	Chris	NWP-OD-TF	Christopher.E.Walker@usace.army.mil
Lundell	Tina	NWP-EC-HR	Tina.M.Lundell@usace.army.mil
Graham-Hudson	Bernadette	ODFW	bernadette.n.graham-hudson@state.or.us
Mackey	Tammy	NWP-OD-TF	Tammy.M.Mackey@usace.army.mil

On the phone: Garletts, Graham-Hudson, Helms, Lundell, Richards, Sharpe, Spear, and Taylor.

1. Decisions made at this meeting.

2. Approved March WFPOM minutes.

3. Action Items

- 3.1.[Apr 2017] ODFW to inform group of harvest triggers and angling regulations related to counts of winter steelhead and spring Chinook counts at Willamette Falls (Graham-Hudson).
- 3.2.[Apr 2017] Form task group to examine turbine maintenance periods for Detroit and Big Cliff Dams as well as other WVP dams (Walker).
- 3.3.[Apr 2017] Form task group to examine adult fish facility operations to incorporate into the WFOP (Walker).
- 3.4.[Apr 2017] Look into how spill is allocated across outlet works/spillbays to alleviate TDG issues (Walker).
- 3.5.[Mar 2017] Determine if a turbine unit can be run for 24 hours rather than just during the day to pass water and help keep TDG lower (Spear). *Spear – yes, we can run a*

unit for 24 hours from BPA's or a power perspective unless there is some O&M reason why we could not.

- 3.6. [Jan 2017]** Frequency of temperature differences while outplanting throughout the year (Taylor). *Taylor – This occurs infrequently, fish transported when there was a 7 degree F difference: Fall Creek 2012: 0/341, 2013: 38/482, 2014: 2/456, 2015: 0, 2016: 95/425, Cougar 2015: 14 @ 8.9%, not observed in other years, 2015 was a warm/dry year. Past options when temperature differential likely, a) don't move fish, b) move fish in the morning, c) utilize most optimal adult release site. WVP has pump that is now operable that could be used to temper increasing flexibility.*
- 3.7. [Jan 2017]** NMFS needs to provide their list of low cost suggestions discussed at HMT for the ladder so they can be incorporated into the study design. *This action item will be removed, ladder improvement investigations are ongoing.*
- 3.8.[Oct 2016]** 16DET06 MFR Minto Fish Facility Power Issues. ACTION: Hall will check with electricians about the breaker setting levels. *Status: The power analyzer has been installed. In order to understand the problem, the event would have to happen again. The maintenance crew doesn't have the capacity to investigate or complete moving the breaker. Most of the solutions involve a contract which makes it difficult. A hoist may be a good interim solution. This should be CRFM funding since it is a design deficiency. Status: No power issues have occurred. The power analyzer has been pulled but the results are not in. Since no event has occurred, the analyzer will most likely not produce any results. Walker is looking into funding a [hu]man basket in case the situation happens again. A bucket truck is parked there currently but it is not known for how much longer.*

4. Updates

- 4.1. HMT Updates –** Discussion regarding [biosecurity/fish disease risks] at Marion Forks, adult disposition finalized at HMT and should be sent to WFPOM. Detailed disposition priorities to be addressed at the May HMT. This should address priorities for brood collection regarding different programs (e.g. USACE mitigation, SAFE program, etc.) given low run numbers this year. Baseline monitoring actions may be limited by funding. Various objectives to be prioritized at the RM&E meeting.
- 4.1.1. North Santiam: Minto Fish Facility –** TDG alarm system to be installed within PLC configuration.
- 4.1.2. South Santiam:** Various work with the fish rail system at the Foster Fish Facility has been complete and is operational, erosion at River Bend adult fish release site has occurred, may be last year this site is operational. Traylor to work with ODFW and others to improve site.
- 4.1.3. McKenzie –** Ladder will open May 1, first time ladder will open early with improvements (Cogswell Creek water supply).
- 4.1.4. Middle Fork**
- 4.2. HGMP updates –** NMFS proceeding with EIS.
- 4.3. Research/FPT updates –** The team is in the planning phase for FY18 studies.
- 4.4. Water Quality Updates –** TDG discussion occurred during Action Item 3.2 regarding how spill can be spread across spill gates/outlets. High TDG will be an issue anytime there is a high water year. General rule of thumb, elevated TDG will be observed anytime there is spill > 1,000 cfs. *Discussion requested at a WATER Steering Team*

including any near-term actions to respond to low spring Chinook run and an update from ODEQ regarding TMDL.

- 4.5. Flow update – Lots of flow, on track to fill all reservoirs
 - 4.6. Pinniped Update (ODFW) – No update
 - 4.7. BPA updates – Update provided during Action Item 3.2
 - 4.8. Cougar Fish Facility – Not much activity at this point
 - 4.9. Fall Creek Fish Facility – Not much activity at this point. Some construction of the new facility has begun. Process of completing P&Cs for the water supply line and hope to complete work after adult ladder is done in September of 2018. MOC to be sent out to take the ladder down two weeks early in 2018. Fall Creek Fish Facility Collection numbers to be included in MOC. Reservoir drawdown discussion, more details to be included in MOC.
 - 4.10. NMFS meeting with ODFW in May to discuss the Willamette Locks Fish Ladder and the Sea Lion issue, hybrid funding package to address issues
- 5. Coordination/Notification forms (need concurrence/discussion)**
- 5.1. 17DET02 North Santiam Temperature Targets – Original comments due April 18. Special operations request needs submittal through NWP Water Management.
 - 5.2. 17CGR02 MFR Cougar Fish Facility Outage – Should be back online late May. Once all parts/pumps received and work is complete there will be four functional pumps providing redundancy in case of a future outage.
- 6. Fish Operations Plan:** WFOP homepage: http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/Willamette_Coordination/WFOP/
- 6.1. Status of the 2017 WFOP – Almost all change forms incorporated. Pending forms include details regarding notifications to the Services and a turbine maintenance table. PFFC information not included in WFOP due to uncertainty of its fate.
- 7. Task Group Updates.**
- 7.1. Active Task Groups.
 - 7.1.1. North Santiam temperature targets (Walker) 2017 – MOC will be sent to the region and followed up with a special operations request.
 - 7.1.2. Flow task group/workshop (Piaskowski) – Nothing to report. Burchfield provided brief update.
 - 7.2. Not yet Active Task Groups.
 - 7.2.1. Summer Steelhead (Traylor/Taylor)