

MEMORANDUM FOR THE RECORD

Subject: Final minutes for the 3 December 2015 FFDRWG meeting.

The meeting was held at the Lobby Room at Block 300, Portland OR. In attendance:

Last	First	Agency	Email
Bettin	Scott	BPA	swbettin@bpa.gov
Conder	Trevor	NOAA	Trevor.conder@noaa.gov
Ebner	Laurie	NWP	Laurie.l.ebner@usace.army.mil
Eppard	Brad	NWP	Matthew.b.eppard@usace.army.mil
Fielding	Scott	NWP	Scott.d.fielding@usace.army.mil
Fredricks	Gary	NOAA	Gary.Fredricks@noaa.gov
Kuhn	Karen	NWP	Karen.a.kuhn@usace.army.mil
Livingston	Scott	PSMFC	SLivingston@psmfc.org
Lorz	Tom	CRITFC	lor@critfc.org
Lynn	Amy	USACE	Amy.k.lynn@usace.army.mil
Mackey	Tammy	NWP	Tammy.m.mackey@usace.army.mil
Medina	George	NWP	George.j.medina@usace.army.mil
Meyer	Ed	NOAA	Ed.Meyer@noaa.gov
Petersen	Christine	BPA	chpetersen@bpa.gov
Rerecich	Jon	NWP	Jonathan.g.rerecich@usace.army.mil
Richards	Natalie	NWP	Natalie.a.richards@usace.army.mil
Tackley	Sean	NWP	Sean.c.tackley@usace.army.mil
van Dyke	Erick	ODFW	Erick.s.vandyke@state.or.us
Walker	Ricardo	USACE	Ricardo.walker@usace.army.mil
Wright	Lisa	USACE	Lisa.s.wright@usace.army.mil

Bettin, Conder, Livingston, Meyer, van Dyke, and Wright called in.

<http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/FFDRWG/FFDRWG.html>

1. Actions or decisions from this meeting.

1.1. October FFDRWG meeting minutes are not approved. Mackey will rewrite notes so they are in summary form.

2. Action Items.

- 2.1. [Dec 15] BON Major Rehab. **ACTION:** Tackley or Mackey will distribute the presentation to FFDRWG.
- 2.2. [Dec 15] BON Major Rehab. **ACTION:** Cutts will provide FFDRWG with a draft schedule by April 2016, pending internal coordination.
- 2.3. [Dec 15] John Day Avian Lines. **ACTION:** NWP will discuss internally to determine appropriate funding stream (CRFM vs. O&M) and to gain clarity of the issues.
- 2.4. [Dec 15] BON Orifices. **ACTION:** Medina will bring this issue to Ian Chane (CRFM PgM). Fredricks will send his design concept to Rerecich.
- 2.5. [Dec 15] BON Orifices. **ACTION:** Fredricks will send photos of the lenses on the LED light tubes to Tackley.

- 2.6. [Dec 15] JDA PIT tag detection. **ACTION:** Walker will schedule a meeting with FFDRWG as soon as possible. PSMFC/PTAGIS (Don Warf, Scott Livingston, Darren Chase, and Alan Brower) will be included in that meeting.
 - 2.7. [Oct 15] **ACTION:** Fredericks would like a meeting with the region when the PDT begins scoping. **STATUS:** A PM (Tim Kuhn) was recently assigned, but a PDT has not been formed yet. FFDRWG will be engaged in early scoping discussions once the project is initiated.
 - 2.8. [Oct 15] BON FGE. **ACTION:** Rerecich will schedule a special FFDRWG. **STATUS:** Special FFDRWG conference call on 12 January at 1:30pm.
 - 2.9. [Oct 15] BON Orifices. **ACTION:** Schedule PDT meeting and brief at next FFDRWG. **STATUS:**
 - 2.10. [Oct 15] Lamprey Minor Mods. **ACTION:** Tackley will follow-up with a memo describing all proposed actions in the vicinity of serpentine weirs at BI and WA Shore, including drawings/photos for reference. **STATUS:** Tackley is working on this document.
 - 2.11. [Oct 15] LPS. **ACTION:** Tackley and BON Fisheries will coordinate with FPOM on any LFS access hatch repair activities near the fishway. **STATUS:** After further coordination with BON staff regarding potential temporary solutions, it is unlikely that this will be addressed until the October 2016 construction of other LFS modifications. An ROV inspection conducted on 4 November verified that all other hatch lids are intact.
3. **Bonneville Major Rehab (Cutts/Lynn/Rerecich).** Cutts presented a PowerPoint slideshow summarizing the status of the project, including urgent issues (e.g. Cascades Island subsidence), interim O&M items (e.g. aging PLCs, Bradford Island AWS leaks), Major Rehab (e.g. Spillway), and Major Maintenance items. **ACTION:** Tackley or Mackey will distribute the presentation to FFDRWG.
- 3.1. Cascades Island subsidence. Fredricks expressed concern about impacts of subsidence on the structural integrity of the Cascades Island Ladder, especially the north wall. Structural members spanning the fishway appear to be separating from the walls. Cutts responded that potential impacts on the ladder are being assessed by the NWP team.
 - 3.2. Schedule. Lorz and Fredricks requested a schedule for this project and the various components, even if it is considered a living document. Ebner (Cutts had left) responded that the Corps needs to work on internal alignment on potential schedules, but that we can probably provide something in Spring 2016 (*not* by the February FFDRWG meeting). Urgent, interim, Major Maintenance, and Major Rehab projects will all have different timelines and review/approval requirements. For example, a Major Rehab at the Spillway would likely be a separate budget line item due to the scale and cost of the project. **ACTION:** Cutts will provide FFDRWG with a draft schedule by April 2016, pending internal coordination.
4. **Updates**
- 4.1. The Dalles East Adult Fish Ladder AWS Backup System – no update.
 - 4.2. John Day North Ladder AWS pumps. Richards reported that number 4 is out of service for a rebuild. The shaft was bent. Pump 3 needs a new shaft as well. NWP has directed the contractor to have Pumps 3 and 4 back in service by 1 May. 90% P&S are in review. By rebalancing the shafts, the 200 RPM restriction has been removed on all of the pumps. This will allow for six pumps available for the spring freshet. After the freshet, pumps will be taken down in pairs for shaft replacement. All pumps will be completed by spring 2017.

- 4.3. John Day North Ladder PIT detection. Tim Kuhn is the new PM. A TL has not yet been assigned. **ACTION:** Walker will schedule a meeting with FFDRWG as soon as possible. PSMFC/PTAGIS (Don Warf, Scott Livingston, Darren Chase, and Alan Brower) will be included in that meeting. Petersen said BPA is working with Warf to get a detailed scope and budget for the antenna so the contract for the transceivers can be funded. There are limitations on the availability of funding though so BPA needs the information as soon as PSMFC can provide it.
- 4.4. Turbine Survival Program. Medina reported that not much has changed since October.
5. **B2 FGE.** Medina reported that the DDR is being reviewed. Rerecich will send it to FFDRWG on 3 December. Award is tentatively scheduled for the summer of 2016. A special FFDRWG is scheduled for 12 January 2016. Rerecich said the draft report is due in December with a final expected in February. Fredricks noted that at the October FFDRWG there was the anticipation that there would be a show of hands at the December FFDRWG for support moving forward. He said he isn't quite sure he's ready for that show of hands yet. Rerecich said we can wait until the 12 January meeting for that show of support. Rerecich said to really get at the concerns broached by the Region we would need a FGE focused study. FFDRWG will have a more detailed discussion at a separate meeting, after everyone has had time to review the DDR and the draft report.
6. **B2 Orifices.** Medina said the orifice project has risen to a high priority due to the maintenance concerns and concerns about inspecting the orifices. This was tied to the FGE project for awhile, with the idea of looking at ways to improve orifice egress conditions. Fredricks said way back (decades ago) when he walked the channel with Rock Peters, the importance of being able to see into the orifice and see a clear jet or see if there is debris was heavily stressed. Since the FGE work has started, those jets have not remained clear. They sputter even when debris is not present. Fredricks said with modification to the light tubes and lights, inspectors could have a better way to inspect the orifice. He would also like to see an easier way to back flush the tubes. He suggested this may not require concrete cutting but rather just a realignment of the tubes. Rerecich said BON is looking at LED lights, which may reduce the issues with algae on the lenses. Fredricks said the LEDs last longer, they are cheaper, but the lenses are still covered and the spiders are still there. **ACTION:** Fredricks will send photos of the lenses on the LED light tubes to Tackley. Fredricks noted that sometimes the air doesn't work when he tries to back flush the tube. After further discussion, Fredricks explained his design concept. Medina and Fredricks discussed whether or not this would be CRFM funded. **ACTION:** Medina will bring this issue to Ian Chane (CRFM Program Manager/PgM). Fredricks will send his design concept to Rerecich.
7. **John Day Avian Lines.** Medina said the lines have been turned over to O&M so bringing it back to CRFM will require a discussion with I. Chane. **ACTION:** NWP will discuss internally to determine appropriate funding stream (O&M vs. CRFM) and to gain clarity of the issues.
- 7.1. Lorz took an opportunity to segue into TDA avian issues. He noted that there seemed to be a decrease in avian hazing effectiveness. Mackey said TDA is looking to increase boat based hazing. FFDRWG asked that this be added to the FPOM agenda.
8. **Lamprey Minor Fishway Modifications.** Tackley reported that the current schedule hasn't changed. The plan is to roll the minor mods into the LPS contract, which should be awarded in Summer 2016. Fredricks said he is looking for a summary of the minor mods and an evaluation of the impacts for all of those mods as a comprehensive package. Each individual project may not have an impact on salmon passage but when combined, there may be an

impact. This is what needs to be looked at. Tackley will get a write up to FFDRWG as soon as he can.

8.1. Lorz asked about the wetted wall. Tackley said that in terms of priorities (in light of concerns about the number of fishway modifications), the wetted wall is still a project he would recommend delaying. FFDRWG discussed the wetted wall in more detail. Tackley clarified that the wetted wall is NOT part of the minor mods. It is something that would be separate, possibly fabricated by NOAA researchers or BON.

9. Lamprey Passage Structure (LPS) Development and Improvements. Tackley reported that the 90% P&S should be available in mid-January. The details to the velocity plate inside the flume are still being worked; the challenge is how to install a long velocity barrier plate inside the flume. The engineers are looking breaking it into multiple sections, but this would create seams/transitions for lamprey to have to navigate. Tackley expressed concern about getting a feasible design completed in time for integration with the bigger LPS design package.

Next NWP FFDRWG Meeting: 4 February 2016