**Fish Passage Operation and Maintenance (FPOM) Team meeting**

10 September 2015 0900-1400

CRITFC offices.

700 NE Multnomah St. Suite. Portland, Oregon 97232

Conference line: 888-675-2535 **Access/Security code: 4849586**

Documents may be found at: <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/>

1. Approve August meeting minutes. (Setter)
2. **Action Items**
   1. NWW Action Items
      1. [Aug 15]LWG Construction update. **ACTION:** Setter will take the FPOM concerns back to NWW FFDRWG.
      2. [Aug 15] LGS temperature profile. **ACTION:** Burgess will investigate replacing the thermometer with a logger.
      3. From FFDRWG LMN diffuser grating replacement delay. (Juhnke provide update for FPOM and general discussion on what material to use on missing or “holes” in the grating, at Trevor’s request)
   2. NWP Action Items.
      1. [Jun 15]TDA adult flows. **ACTION:** Mackey will schedule a separate meeting to further discuss this issue after the UI report is available and reviewed.
      2. [Aug 15] TDA-N rock wall. **ACTION:** Fielding will send the DDR to FPOM.
      3. [Aug 15] Rerecich would like to schedule a special NWP FFDRWG for FGE. **ACTION:** Rerecich will coordinate a time.
      4. [Aug 15] Pinniped Task Group. **ACTION:** Wertheimer and van der Leeuw will schedule a meeting with the Pinniped Task Group.
   3. Completed or discussed later in the agenda.
      1. [Aug 15] MCN fish pump 2 crack. **ACTION:** Setter will ask J. McDonald to attend the September FPOM to discuss this further.
3. **Updates** 
   1. NWW Updates.
      1. Upcoming maintenance/construction/research activities.
         1. NWW FPOM OUTAGES schedule.
      2. .
      3. MCN fish pump 2 shaft crack.
      4. LWG construction update NA this month
      5. LWG rental pump operation and feasibility shutdown. –dates? (Holdren)
   2. NWP Updates
      1. Upcoming maintenance/construction/research activities. Includes already coordinated MOCs.
         1. 15BON02 T11 and T12 outages.
         2. 14BON83 WS Fish View Building roof.
      2. BON winter maintenance schedule – early outage of Bradford Island
      3. TDA spill bay 9 trunnion pin.
      4. TDA-N rock wall work.
      5. TDA winter maintenance schedule – diffuser maintenance
      6. JDA Digital Governor testing. Flattening the blades is not an option.
      7. JDA-N AWS pumps.
   3. Research/FFDRWG updates. [www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Research/Research.html](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Research/Research.html)
   4. RCC update.

**Table 1. RCC flow forecast.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Project** | **Previous day average (kcfs)** | **5 day forecast average (kcfs)** | **10 day forecast average (kcfs)** | **Projected Peak** |
| **LWG** |  |  |  |  |
| **MCN** |  |  |  |  |
| **BON** |  |  |  |  |

* 1. Pinniped Update.
  2. Lamprey updates.
  3. Avian.
  4. Critical Infrastructure. Mackey will schedule a meeting to discuss TDA fish infrastructure. Currently on hold until a new Columbia River coordinator starts.
  5. BPA updates.

1. **Coordination/Notification forms (need concurrence/discussion)**
   1. Revised 15TDA05 Railroad rail removal. ***Pending.***
   2. 15TDA08 transformer installation updated. ***Pending.***
   3. 15IHR14 Ice Harbor Dam Study.
   4. 15 LWG early shutdown***.***
2. **Fish Passage Plan:** The Current 2015 FPP and Change Forms are online at: [http://www.nwd-wc.usace.army.mil/tmt/documents/fpp/](http://www.nwd-wc.usace.army.mil/tmt/documents/fpp/2014/changes/index.html).
   1. Pending FPP Change Forms.
      1. 15IHR008 – Low Flow Spill Patterns.
      2. 15LMN004 – Low Flow Spill Patterns.
   2. New FPP Change Forms.
   3. Potential FPP change forms.
      1. Appendix B **–** Transport. Revise truck transport minimums if supported by data analysis to determine likely effects, including frequency and duration. Wagner will request NOAA Montlake to look at the data.
3. **Task Group Updates.**
   1. New Task Groups.
      1. BON minimum spill to maintain good B2CC egress. (Fredricks and Lorz). Team members include: Bettin, Ebner, Hausmann, Mackey, Wright.
         1. There is an ERDC trip on 21 September. Model will cost $24K to get it up and running.
      2. Load Shaping Guidelines (Bettin). Team members include: Fredricks, Mackey, Wright. Bettin is still figuring out if he is allowed to edit Appendix C (last modified in 1995). FPOM believes this will be delayed until next year.
   2. Active Task Groups.
      1. Adult counting. (Wertheimer and Moody) <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/Task%20Groups/Task%20Group%20Fish%20Counting/>
         1. Lorz asked for a report on how TDA worked.
      2. Condition monitoring. (Lorz, Conder). <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/Task%20Groups/Task%20Group%20Condition%20Monitoring/>
         1. Team members include: Benner, Bettin, Chockley, Fredricks, Mackey, Morrill, Setter.
         2. Will meet after October FPOM meeting. Review memo and prepare to discuss.
      3. TDA adult flows. (Cordie) <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/Task%20Groups/Task%20Group%20TDA%20split%20flows/>
         1. Team members include: Bettin, Cordie, Fredricks, Lorz, Lut, Mackey, Rerecich, Skalicky, Wertheimer.
         2. Rerecich talked with UI and there were RT steelhead present during the test period. The data may help understand broad movements of fish during the test but may not help determine the more localized response near the thalweg and shelf between the north ladder and the spillwall.
         3. Still need to determine a trigger. This may not be an issue for 2015 due to the anticipated lower numbers.
         4. Rerecich and Mackey will try to coordinate meetings so this is on the same day as the special NWP FFDRWG.
   3. Task Groups that really want to be inactive but still have an Action Item.
      1. AFF mods (BON Fisheries). <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/Task%20Groups/Task%20Group%20BON%20AFF/>
         1. Team members include: Benner, Fredricks, Lorz, Mackey, Meyer, Rerecich, Royer, and Whiteaker. **This task group may go to inactive status AFTER an after action report is provided to FPOM.**