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

**DRAFT Agenda for 13 July 2023 at 0900**

Conference line: 1-844-800-2712 Access: 199 076 9084

WebEx meeting:

<https://usace1.webex.com/usace1/j.php?MTID=mfd2225aec54960151ed1beffdc99906a>

Access Code: 199 076 9084 Password: fy21FPOM\*\*

Documents may be found at: <http://pweb.crohms.org/tmt/documents/FPOM/2010/>

1. **Attendance, Agenda changes, Approval of June meeting minutes. (Peery)**
2. **Action Items**
	1. **NWW**
		1. [June 23] 23MCN06 MOC TSW removal delay. Van Dyke said the TSW removal interrupts operations at important points in the year. He asked if there was still discussion about diverting flow to other bays and leaving the TSWs in place. **ACTION:** Peery will talk with NWW engineers. There are concerns with creating back eddies when the TSWs are shutdown. *Status: We confirmed with engineers that closing TSW’s would impact tailrace conditions for juvenile and adult fish passage.*
		2. [June 23] 23LWG04 MOC LWG LMN Stilling basin sediment removal. Van Dyke asked if any information on the amount of sediment has been shared. **ACTION:** Juhnke will share latest estimates. Van Dyke asked for historic amounts as well. *Status: Estimated amounts of sediments in stilling basin from recent surveys were shared. Information from older surveys is being looked for.*
		3. [June 23] JFF early start. FPAC recommended 15 March for early start at LMN, LGS, and LWG. Peery hasn’t had time to put the data together for a more thorough conversation, however, initial thoughts are that the date isn’t conducive to maintenance schedules and the preliminary data doesn’t indicate a need to start earlier than 24 March.  **ACTION:** This will be discussed in more detail at a future FPOM. Van Dyke requested the 1990s bypass opening dates be included. *Status: Updated summary of information from JFF early starts was sent out and included start dates for JFF samples and primary bypass operation from previous years.*
		4. [May 23] LWG tailwater. **ACTION:** Peery will set up a meeting in a week or two so the work group team can get into the details and work towards a reasonable solution. Interested parties should email Peery to be included in this work group. *STATUS: still pending*
		5. [May 23] LGS GBT. **ACTION:** Peery will work with SMP and Conder to develop the plan for spot checks. There are morts but the rate of mortality isn’t alarmingly high since the collection is high. *STATUS: still pending. Peery does have some data downloaded from the sensor. Goal is to understand how tailrace and raceway TDG measurements are related and how you collect fish from the raceway. Conder said the evaluation is needed only if NWW is intending to hold fish in the raceway.*
	2. **NWP**
		1. [June 23] Invasive species removal language. No change form yet, but includes the removal of invasive species during dewatering activities. TDA has not heard back from WDFW yet. **ACTION:** Morrill will follow up and report back.
		2. [June 23] TDA Fishing Boundary. The main concern is that the line is not entirely clear, and anglers are coming within 100’ of the east fishway exit. **ACTION:** Morrill suggests a memo outlining the recommendation for a line straight across. Morrill and Cordie will work on this.
		3. [June 23] TDA temperature collection. Cordie said the data is collected and reported in the status reports. Cooper said FPC isn’t receiving the information for the east ladder south entrance and junction pool. FPC is getting some data but not from all locations. **ACTION:** Cordie will look into it and get back to Cooper.
		4. [May 23] Pelican hazing in the estuary and at the dams. Morrill is still working on this. He did share that hazing should be permitted as it was last year. He also said WDFW requests the Corps send a letter to the Director (CC Morrill) to request approval for hazing as it was done last year. More to come. Mackey will work with the Projects and PME to craft a letter. Wertheimer said eggs have already been deposited.  **ACTION:**Mackey will work with the Projects and PME to craft a letter. ***STATUS:*** *pending*
	3. **Completed Action Items or to be discussed later in the agenda.**
		1. [May 23] Pinnipeds. **ACTION:** Morrill will seek a written update from WDFW’s marine mammal folks. ***STATUS:*** *Morrill has a verbal update. John Edwards said they didn’t see a lot of recruitment. Trapping hampered by water elevations. Trapped 28 animals 22 CA and 6 Stellars. These were lethally removed. Will resume trapping starting in Sept through November.*
		2. [JAN 23] Spillway condition report. **ACTION:** Mackey will talk with NWD about next steps. She will also try to track down a consolidated spillway report. ***STATUS:*** *A spillway presentation is tentatively planned for the September FPOM meeting. NWW will be included.*
3. **Updates**
	1. **NWW Updates**
		1. Upcoming coordinated maintenance/construction/research activities.
			1. 22 LWG 04 MOC T1T2 Gasket Repair. New dates Nov 28-Jan 31. Will work on T1C first and then T1B.
			2. 23 LGS Unit 5 Commissioning. On-going. Expected to take longer than originally planned. Having issues with the temperature sensor.
			3. 23MCN02 MFR Spillbay 16 closure and 23MCN001 FPP Change; cranes, hoists, and spillgate repairs. Bay 16 is still closed. In process of repairing the hoist with RTS in mid-June.
			4. 23IHR04 Unit 3 Commissioning. Delayed by about 2-3 weeks due to issues found.
		2. MCN crane status. Cranes 6 and 7 have performed two engineered lifts and cannot be used again this year.
		3. LWG tailwater monitors/LGS pool levels.
		4. JFF early start. NWW has offered 24 March start of JFF/condition samples based on data from early start trials. NWW does not support 15 March start requested by FPAC.
		5. Fish Transport program. Last barge trip will be 19 June. Truck transport to start 1 August per FPP, unless otherwise coordinated.
	2. **NWP Updates** Please note – spillway updates will be provided in a presentation in September.
		1. Upcoming coordinated maintenance/construction/research activities.
			1. 1BON001 MOC Navigation Lock 1 Bridge Replacement**.**  No FPP conflict. Work may not begin for many years.
			2. 23BON002 ITS end gate replacement. Installation is still expected for October.
			3. 23BON003 T11 outage.
			4. BON FGE **–** Units 11 and 18 Scheduled from 30 Nov – 28 March. Expected completion is December 2023.
			5. 19TDA04 MOC – East side powerhouse crane rails. Next step is to replace the crane in the spring. Work is expected to be complete in the fall. The work will occur at the east end of the powerhouse, more than 100’ from the fishway exit.
			6. 18JDA02 MOC Trash rack replacement. MU16 done. Next update – fall 2023.
			7. 20JDA04 MOC STS crane replacement. In the fabrication portion of the contract. Scheduling will start next June, commissioning to occur at the end of summer 2024.
			8. 22JDA20 MFR JDA-S Temps. Still accepting comments. Plan is to collect data this season. Arrays are deployed in the ladders and in the forebay.
			9. 23JDA03-05 JDA-S fish turbine pumps 2 and 3 OOS.
		2. BON Aqui-S. Public comment period in the spring, permit issued after.
		3. TDA BRZ and the fishing boundary.
		4. Wasco PUD smolt condition monitoring. Weekly reports are posted to the FPOM website.
		5. JDA north pump #4. Budget request has been submitted. No funding received yet.
	3. **NWS updates.**
	4. **Research/FFDRWG**
		1. SRWG.
		2. NWP FFDRWG.
			1. TDA AWS debris management. TDA AWS EDR 90% ATR review is complete. PDT responding to comments. FFDRWG review - 7/10-8/4. Final Report - 9/29
			2. BON ITS PIT detection.
			3. BON B2FGE -
		3. NWW FFDRWG. Will be combined with NWP for the July meeting.
	5. **RCC update.**

**Table 1. RCC FPOM flow forecast.**

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| --- | --- | --- | --- | --- |
| **Project** | **Previous Day (6/7) Average Outflow (kcfs)** | **5 Day (6/12) Forecasted Inflow (kcfs)** | **10 Day (6/17) Forecasted Inflow (kcfs)** | **Forecasted Inflow Low/High (kcfs)**  |
| **LWG** |  |  |  |  |
| **MCN** |  |  |  |  |
| **BON** |  |  |  |  |

Project Data: <https://pweb.crohms.org/report/projdata.htm>

NWRFC Inflow Forecasts: <https://www.nwrfc.noaa.gov/rfc/>

* 1. **Fish Count Program** (Peery, Wertheimer).
	2. **Avian updates (10:30).**
		1. NWW.
		2. NWP Avian EA/NEPA (Environmental Branch).
		3. JDA.
		4. TDA.
			1. Miller Rocks
		5. BON.
		6. Estuary.
	3. **Pinniped update.**
		1. BON.
		2. Willamette Falls.
	4. **Lamprey update**
		1. BON.
			1. Update of lamprey trap operation (Lampman)
		2. TDA.
		3. JDA.
		4. NWW.
		5. LAWG.
	5. **BPA Update.** Schedule available on the FPOM website.
	6. **Budget Updates.**
		1. NWP/NWW Critical Fish Passage O&M needs. NWW provided some new items. Spreadsheet is available on the FPOM website in the July 2023 meeting folder.
1. **Coordination/Notification forms (need concurrence/discussion)**
	1. NWW
		1. 23MCN07 MFR Emergency Opening of Bay 7
		2. 23MCN08 MOC Installation of Hoist Bay 16
		3. 23IHR05 MFR Spillbay 6 Out of Service
		4. 23IHR06 MFR Spillway Outage to Repair Fishway Log Boom
		5. 23LGS09 MFR Fishway Cooling Pump Outage
		6. 23LWG MFR Barges Loading Boom OOS
	2. NWP
		1. 23BON024 MOC Old Navlock Dredge Placement - Updated
		2. 23BON026 MFR AFF Valve 15 Lamprey Mortality
		3. 23BON027 MFR AFF Valve 15 Lamprey Mort
		4. 23BON028 MFR AFF Valve 15 PL Morts
		5. 23BON029 MFR WA Shore UMTJ PL Morts
		6. 23BON030 MFR Bradford Island RB3 PL Mort
		7. 23BON031 MFR CI Pond PL Morts
		8. 23BON032 MFR AFF Valve 15 PL Morts
		9. 23BON033 MFR CI Pond PL Mort
		10. 23BON034 MFR AFF Valve 15 Lamprey Mort
		11. 23BON035 MFR WS UMTJ RB1 Lamprey Mort
		12. 23BON036 MFR AFF Valve 15 Lamprey Mortalities
		13. 23JDA24 MFR NFL LPS OOS
2. **Fish Passage Plan**
	1. The Final 2023 FPP went into effect on March 1 and is posted at: [pweb.crohms.org/tmt/documents/fpp/2023/](https://pweb.crohms.org/tmt/documents/fpp/2023/)
	2. Pending Change Forms:
	3. Invasive species removal language. No change form yet, but includes the removal of invasive species during dewatering activities.
3. **Task Group Updates. No Task Groups currently meeting.**
	1. Schedule falconry discussion (Peery/Morril)
4. August FPOM will be held at BON for the annual FPOM BBQ. Meeting in the Auditorium training room, BBQ at Robin’s Island.