

Subject: Final minutes for the 09 February 2023 FPOM meeting. The meeting was held via WebEx from 0900 until 1340.

**In Attendance:**

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## 1. Final actions or decisions.

- 1.1. December meeting minutes approval
- 1.2. January meeting minutes are pending Lorz's review.
- 1.3. FPOM requests BON U12 be the priority unit if U11 is OOS during the B2CC operation.

## 2. Action Items

### 2.1. NWW

- 2.1.1. [FEB 23] MCN spillway hoists and gates. **ACTION:** Peery and Vandiver will provide a written document with the explanation of the situation at MCN.
- 2.1.2. [FEB 23] LWG T1T2. **ACTION:** Hesse asked if ability to fill the pool has been accounted for with the modeling. Peery doesn't have an answer but will get back to Hesse.
- 2.1.3. [FEB 23] LWG T1T2. **ACTION:** March has no temperature problem and it is really early in the adult run, the downside is there may be a need to spill. Peery said he would talk with Ricardo Walker.

### 2.2. NWP

- 2.2.1. [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:* Still pending. Ebel asked to have this information sooner rather than later so there can be discussions about the spillways across the basin.
- 2.2.2. [FEB 23] Avian NEPA **ACTION:** Schmidt said he will put the questions about the EA and capabilities to APHIS at his meeting today. Schmidt will invite Gallion to his meeting today.

2.3. Completed Action Items or to be discussed later in the agenda – no action items.

## 3. Updates

### 3.1. NWW Updates

**3.1.1. Upcoming coordinated maintenance/construction/research activities.**

**3.1.1.1. 22 LWG 04 MOC T1T2 Gasket Repair.** 7-31 August are the new dates. This time overlaps with fewer fish in the system but could complicate temperature management. Peery showed slides with assumptions and different scenarios. **ACTION: Hesse asked if ability to fill the pool has been accounted for with the modeling. Peery doesn't have an answer but will get back to Hesse.** Conder is not supportive due to the temperature impacts. He noted that, while difficult, the contractor could do the work during the winter. Conder said high temperatures is the most concerning issue in the Snake River right now and he is not supportive of anything that exacerbates the temperature issue. He is going to hold firm and the only way forward will be to elevate above his head. Peery explained the window in August has less of an impact on temperatures. Conder said winter has no impact. Peery said TVA will not work in the winter; they will work in October but do not have availability in October 2023. Lorz asked if March was available. Peery said March is problematic due to potential flows and weather. **ACTION: March has no temperature problem and it is really early in the adult run, the downside is there may be a need to spill. Peery said he would talk with Ricardo Walker.** He also said another option is to go with someone other than TVA but that would also result in a delay because TVA is not a public contractor and we would have to go back through contracting, which takes time. Peery said each transformer has three phases – A, B, C. In 2022 T1A was repaired and T1C is next in priority, due to condition and leaks. T1B isn't as bad and T2 is needed but not as critical as T1A and T1C. T1B can be put off until 2024. LWG is leaking oil, and it is being contained, but it is not a good way to operate. Lorz said he understands but he doesn't like fish bearing the brunt of maintenance issues. Conder asked when the leaks were discovered. Lorz asked about the amount of leakage. Peery said it is gallons/week. Lorz stressed talking to Ricardo Walker and looking at the March timeframe. He is not supportive of the MOC as written and would support elevating to RIOG. The temperature criteria is too important in the Snake River and there are other options to explore before putting the impacts all on fish. Peery said he understands and he will talk with Ricardo about November and/or March, but it does seem like options outside the summer are quickly being exhausted. Conder said he has a wide window he can support. Ebel said he doesn't believe there is any time that takes the impacts off the backs of fish, maybe it isn't temps but TDG. Ebel does not support going to September and is lukewarm on the August timeframe, but he would like to see an off-ramp if it looks like conditions are really poor. Peery agrees that there needs to be a way to halt the work if we see an unusual temperature or water year. Hesse doesn't support September or August. Hesse would like to see October/November instead. He is not convinced that options to build a winter shelter has been thoroughly explored. He noted that TVA experienced an unusual winter and those conditions may not be seen this year. He supports Conder in that Aug/Sep is in conflict with the BiOp and likely needs to be elevated. WDFW supports Hesse's comments. Hesse also encouraged a wider forum for discussion and not restrict it to just the federal family.

**3.1.1.2. 20 LGS 16 MOC Powerhouse Roof Repair.** Reconnection pushed to 13-21 February.

**3.1.1.3. LWG Avian Wires Replacement.** Several wires were broken due to ice build-up. Repairs are still expected this month.

**3.1.2. MCN crane status.** Peery invited Mike Vandiver to provide an update on the procurement process. **ACTION: NWW will provide a written timeline and process for FPOM. Lorz expressed concerns about the timeline to completion.** Vandiver stressed that the delays are in manufacturing. Phase 2A has been funded and the first hoist should be installed in FY25. Lorz gave a heads up that Umatilla and CRITFC will likely send a letter expressing their

concerns about the delays, especially since this issue has been known for years. Phase 2B is replacing the remaining gates and hoists between FY25 – FY33. Peery explained that NWW is going with the prototype first because, as history has shown, if they start a contract with all the hoists and gates there are more opportunities for expensive mistakes. Starting with the prototype allows for issues to be worked out on one bay and then applied to all other gates, hoists, etc. Costs for the entire spillway is anticipated to be about \$175M. Van Dyke asked about the source of funding. Vandiver said the routine maintenance is through routine O&M and this capital investment is coming from a different source of funding. That didn't quite answer ODFW's question about how funding contributed to the delay in getting this project started. Peery clarified that initially, MCN tried to cover the first broken hoist with routine O&M funds. As they worked through the hoist, they found it was a result of overloading the hoists, which would move the funding from routine O&M to Capital. This is because the design of the spillway didn't include hoists, there were just two cranes that operated the spillway for flows, not fish. As hoists have been added, they were under designed for the loads they experienced as a result of fish operations. This means there needs to be an upgrade/improvement in the spillway gates/hoists and that pushes the project out of routine funding to a capital improvement.

- 3.1.2.1.** Van Dyke asked about the notion of load and over-loading. Vandiver said he also wonders why we are just now noticing the load issues but he doesn't have answers and, given the age of the equipment, we likely will not get satisfactory answers; the original engineers have long since left. What we do know now is that we have equipment under-designed for current uses and we need to get that equipment upgraded. Vandiver also noted that funding is becoming a priority for many long-standing maintenance issues. Vandiver also noted that anything related to steel has significant cost increases now versus a few years back and that increase in cost has impacts on project schedule.
- 3.1.2.2.** Conder noted that our current systems are degrading faster than repair/replacement can occur. He asked if USACE is recognizing this issue and how is the agency getting ahead of the degradation. Vandiver said he also sees that pattern and noted that it is the result of decisions made a couple of decades ago. Moving forward, he is working to push priority for deferred fish-related maintenance, and he has been successful in increasing awareness as well as increasing investment in returning these facilities to a baseline condition for continued use. Conder also brought up ERDC modeling and the need to look at changes in the spill patterns at the models, especially since this is a 10-year project. Peery said they want to, but it is a matter of funding at this time. Absent modeling, MCN bios will be on-site, monitoring the spill egress conditions from the surface and will report any concerns back to FPOM.
- 3.1.2.3.** Hesse noted that in the past, relying on real-time observations without modeling was deemed unacceptable when areas other than fish were at risk. He is very frustrated that when the potential impact is for fish, NWW is now ok with not conducting modeling and just relying on whatever observations are made by bios at the site. Vandiver clarified that he does not have any information as to whether or not the PM is planning on including ERDC modeling, it just isn't in his wheelhouse at this time.
- 3.1.2.4.** Hesse asked if the modeling effort could be included in the design process. Vandiver said that is a tactic they can take. He believes modeling is useful and it makes sense to design the gates/hoists/cranes together to make the best system as possible.
- 3.1.2.5.** Lorz does not appreciate the languishing of this project for 20 years. He voiced a lot of frustration FPOM members have. Spill patterns take a lot of time to develop and not having ERDC modeling to develop the best spill patterns possible for the next 10 years is not a positive strategy. Lorz said CRITFC and Umatilla will support Hesse taking this issue to RIOG. Hesse would prefer the Corps take it to RIOG but if that

doesn't happen, he will take it. Ebel asked if the Corps is planning on doing that. Peery said it is unusual for the Corps to elevate their own actions but he doesn't know what will happen at this time.

**3.1.2.6.** Vandiver stressed again that even though funding hadn't come through sooner, it doesn't mean that nothing was being done. The Project and District had to compete for funding each year and until now, there were higher priority items for limited funds. Lorz said yes but, the ESA and BiOp plans do not mention the lack of ability to operate MCN in the manner in the proposed action. Vandiver attempted to move FPOM forward by noting that he wasn't here in 2005 and he isn't looking at history, he is trying to move maintenance issue forward. This is a bit of frustration that happens when we have elder FPOM members who have long memories and newer personnel who do have not lived the same history. The newer personnel are taking current condition and attempting to move issues forward without the same baggage of having gone through the struggles of elevating over the years. To some elder members, the history doesn't seem to get the same deference and struggle with the idea that these are new issues or concerns.

### **3.2. NWP Updates**

**3.2.1.** Upcoming coordinated maintenance/construction/research activities.

**3.2.1.1.21**BON001 MOC Navigation Lock 1 (old navlock) Bridge Replacement. (Trachtenbarg).

**3.2.1.2.23**BON002 ITS end gate replacement. (Discussed under 4.2.3)

**3.2.1.3.23**BON003 T11 outage. (Discussed under 4.2.4)

**3.2.1.4.**BON B-Branch erosion repair. Derugin reported that work is scheduled to start on 20 Feb. There was a hydro-survey that occurred without prior notice (23BON004). Avian lines are down. WS may RTS prior to construction occurring at B-Branch so there may not be a need to open the CI exit.

**3.2.1.5.22**BON096 MOC involuntary spill patterns. Still in effect.

**3.2.1.6.**BON FGE – Units 11 and 18 Scheduled from 30 Nov – 28 March. Rerecich reported that overhauls and other maintenance occur during the FGE unit outages. He has not heard if the FGE schedule has been finalized. Derugin said the schedule isn't final yet as there are some discussions regarding fall outages and how they impact B2CC repairs and then U11 issues. There is no MOC currently, but the schedule will be included in the FPP Appendix A.

**3.2.1.7.19**TDA04 MOC – East side powerhouse crane rails. Next step is to replace the crane in the spring. Work is expected to be complete in the summer. The work will occur at the east end of the powerhouse, more than 100' from the fishway exit. The center of the powerhouse still has rail that needs to be removed and then the train rail will be removed during the winter.

**3.2.1.8.18**JDA02 MOC Trash rack replacement. MU16 is complete. PDT working on a second contract for the remaining 15 units. No updates expected until fall.

**3.2.1.9.20**JDA04 MOC STS crane replacement. In design phase.

**3.2.1.10.22**JDA20 MFR JDA-S Temps. Still accepting comments. Plan is to collect data this season.

**3.2.2.**BON ITS PIT detection. Derugin reported the PDT is looking at the design. Morrill reported that Don Warf's (PSMFC) team is looking at design changes to address Corps concerns.

**3.2.3.**BON Aqui-S. Derugin said EPA anticipates a second public comment period followed by permit re-issuance. Won't have it in place for the start of sampling season but no concerns or extra steps for the AFF researchers at this time.

**3.2.4.**BON U11. U11 was forced OOS due to plates that failed. Based on current information we are targeting return to service end of March. This is, however, subject to change depending on the scope of discovery work after we start disassembly. Not trying to be evasive, but some

key information is still missing. BON will likely start disassembly and inspection (with HDC) week of 20 February (short week with the holiday) or 27 February. BON will further discuss funding at the Risk Ranking meeting on Monday. **FPOM requests U12 be the priority unit if U11 is OOS.**

**3.2.5.**BON winter maintenance update. LPS ramps installed. Looking at an early water up date to avoid CI exit having to be opened.

**3.2.6.**TDA AWS debris management. EDR has been sent to FFDRWG. Comments due 16 February. Send comments to Rerecich. Preferred alternative is a debris boom in the forebay, pressure sensors, cycling the AWS, and a brush system for the trashrack.

**3.2.7.**TDA Spillway. Bay 10 not yet outfitted with the Bay 9 ropes and drums, still the plan to complete this year.

**3.2.8.**TDA N Ladder Rockfall P#449517.

**3.2.9.**TDA winter maintenance update. Weir 155 needs some additional maintenance on the gear box bearings. Will be back in service by 1 March, no FB restriction needed at this time. TDA-N had too many fish so the ladder was re-watered to tailwater. Completed maintenance around the fish count window and the exit. Cannot remove vegetation in the lower ladder due to not being able to dewater, may contract out. PUD is scheduled to RTS next Tuesday.

**3.2.10.**JDA north pump #4. Budget request has been submitted but no update at this time.

**3.2.11.**JDA winter maintenance update. JDA-S and JBS are OOS. Working on JBS joint repair. STS maintenance moving forward. Completed 20 screens. Ladder joint repair on-going. Worked on the fish count crowder. ROV inspection of the diffuser grating completed. Fish turbine #3 inspection scheduled for next week. Should be back by 1 March. SMF PMs have been completed. Will have a flushing valve to replace prior to start of sampling season.

**3.3. NWS updates.** No update.

#### **3.4. Research/FFDRWG**

**3.4.1.**SRWG. AFEP audio and presentations posted to [FPOM/SRWG \(crohms.org\)](https://www.crohms.org) Kicking off planning cycle next week.

**3.4.2.**NWP FFDRWG. Meeting held last week. Draft notes have been sent to attendees, comments due today. Notes will be sent to the broader group on 10 February. Macdonald reported that Old Man Lorz recalled a time when Major Maintenance and Major Rehab reports were completed and reviewed. He suggested Mackey or Peery might be able to help with the details of that process. Mackey questioned the intent of including her in the same timeframe as “Old Man” Lorz. Rerecich explained that MMRs and MRRs were used to try to elevate asset maintenance and repair for funding. The BON spillway was one project but it didn’t rank very high since the priority tends to focus on human life safety. **ACTION: Rerecich will find the report and try to make it available to FPOM.**

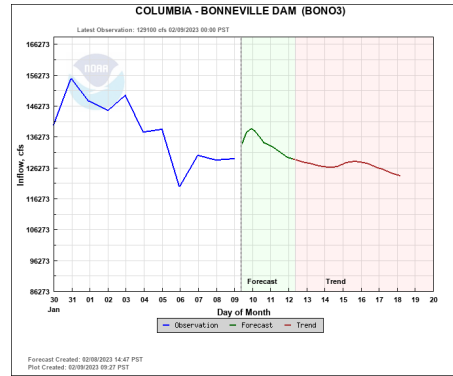
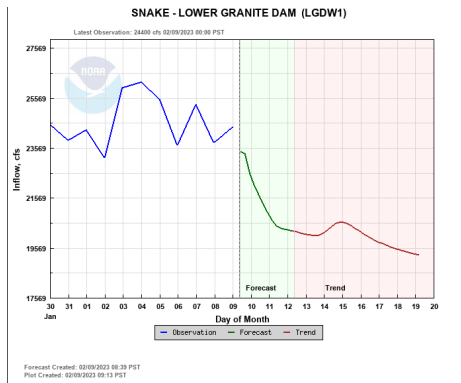
**3.4.3.**NWW FFDRWG. Meeting held in late January. Next meeting is schedule for 27 April.

#### **3.5. RCC update.**

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

Project	Previous Day (2/8) Average Outflow (kcfs)	5 Day (2/13) Forecasted Inflow (kcfs)	10 Day (2/18) Forecasted Inflow (kcfs)	Forecasted Inflow Low/High (kcfs)
LWG	23	20	19	19 (2/18) / 23 (2/9)
MCN	107	117	113	113 (2/18) / 124 (2/10)
BON	129	128	124	124 (2/18) / 139 (2/9)

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



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

- 3.6. Fish Count Program SOW (Peery, Wertheimer).** FPOM will be able to provide comments at the March FPOM meeting. Hesse asked about aligning the fish counting with the opening dates of the ladders after winter maintenance. Peery said it is difficult since the date isn't always known. Hesse said the priority is restoring passage and then enumerating passage, but it passage data is needed and used. Ebel asked about the cost of collecting video counts at LWG.
- 3.7. Pinniped update**
- 3.7.1.BON.** No pinnipeds this week. Reports will be out soon. Using lessons learned for pinniped management at other sites, such as Ballard Locks.
- 3.7.2.** Willamette Falls.
- 3.8. Lamprey update**
- 3.8.1.BON.** Working on LPS ramps. Optical counters for the BI wetted wall and CI exit work will be done in mid-March.
- 3.8.2.TDA.** Completed lamprey orifices on two of the four TDA-E exit weirs. The remaining two will be completed this coming winter.
- 3.8.3.JDA.** Waiting on warmer weather to glue PVC together. Salvaged 370 lamprey in the JDA-S lamprey trap. Working with maintenance to modify the south entrance weir.
- 3.8.4.NWW.** Adding weir crest. Juvenile lamprey study is proceeding, PNNL is the contractor. St. John said the installation of autonomous receivers will be detailed in an MOC soon. Van Dyke asked about the conversation in SRWG. Macdonald said the study plan was sent out a couple months ago for review. The next SRWG will focus on the FY24 studies and an update on FY23 plans and progress.
- 3.8.5.LAWG.** No update.
- 3.9. BPA Update.** Schedule available on the FPOM website.
- 3.10. Budget Updates.**
- 3.10.1.NWP/NWW Critical Fish Passage O&M needs.** – Updated spreadsheet available after winter maintenance.
- 3.11. Avian updates (10:30).**
- 3.11.1.NWW.** St. John provided an update on Badger and Crescent Islands. Next week a team will go out to dissuade nesting on the islands. Photos and a brief will be provided afterwards. The team will use just debris on the island to create inhospitable areas. There will not be any flagging. Lawonn asked about the numbers of terns nesting on both islands last year and why flagging wouldn't be used this year. Peery said there isn't dedicated funding and the goal is to no disturb the soil, thus avoiding permits, and just disrupt nesting behavior with island debris relocation. There seems to be one spot where terns have returned so the team will focus on that spot and on the north tip of Badger Is. This is more a "let's try it and see" effort. Lawonn was a bit puzzled by this lack of dedicated funding and effort. Peery said the budget cycle is such that funds were not requested in advance of terns showing up on the islands.

There wasn't surplus funding to support the efforts last year and this year, however, funding has been requested for FY25 (most recent request). **ACTION: Peery will confirm there has been a funding request for FY25 for avian dissuasion on the islands.** Parker noted that it doesn't matter where terns are in basin, they will feed on juvenile salmonids throughout. He said this is a bit like whack-a-mole and efforts this year are to push birds off Goose Is. and Blalocks. If we can dissuade on Badger and Crescent and push them out of the interior, we can reduce their impacts but unless we push them out, they will feed on juveniles elsewhere in the system. Lawonn "I agree with Blaine. If dissuasion on Badger and Crescent is successful this year, we need to be especially careful about Goose Island this year." Lorz noted that RTR will have a report out that details the number of PIT tags found on the islands.

- 3.11.1.1.** Sechrist talked about the BOR work on Goose Is. BOR can take 200 eggs. Efforts can be ramped up as necessary. In March they will establish dissuasion flagging, place decoys, and APHIS will be ready to go when terns show up on the island. Sechrist is working to ensure there is not a break in service. Parker asked if there is a mechanism to adjust hazing in response to bird numbers. Sechrist said he has been in discussions with APHIS, who say they are flexible. APHIS has a dedicated technician and a seasonal to work the Potholes reservoir. Parker is concerned APHIS may be understaffed for the area that has to be covered.
- 3.11.2.** NWP Avian EA/NEPA (Schmidt). Schmidt reported that the EA is behind schedule. He is meeting with APHIS later today to get their comments. He is also waiting on some information from USFWS. The goal is now to have it out for public review by the end of February. McDowell said she still needs to get her comments in and the USFWS OC has to review. Parker noted he feels we were in the same position in 2022 and is skeptical that the EA will be out at the end of February, given all of the tasks that still need to be completed. He is very frustrated that we are at the same place a year later and it appears that we will not have this tool in place for this out-migration season. Schmidt said APHIS has been least able to help us on the timeline originally proposed but we need their input to get us to the finish line. He also noted that he just learned that Yakama Nation just applied for a depredation permit so now that needs to be included in cumulative effects. Schmidt believes we are further along than we were last year. Schmidt said NWP needs about two weeks for review and all of the agencies need to be ready to publish at the same time since all are writing decision documents.
- 3.11.2.1.** Parker asked if other contractors are permitted to do the work or if APHIS is the only contractor available. He has some concerns about the ability of APHIS to meet the requirements for training, frequency, and duration. Schmidt said he talked with Jeff Matson (NWP OC) and the plan is to use APHIS because using an independent contractor requires more work. Schmidt noted that there is a new APHIS person for project hazing and this person is unfamiliar with the area. He also noted that there may not be trained APHIS personnel who can conduct lethal take. Grosvenor clarified that USDA hired a new permanent staff member to handle the project hazing planning. Parker asked for Schmidt to send a list of other contractors who could also conduct the work. Cordie echoed Parker's request. He said the falconry contractor has the ability to conduct lethal take, if we have the permit in place. Schmidt said he will look into it but his focus is on the EA. Schmidt also explained how long the contracting process takes and he really needs to focus on the NEPA process. He suggested Parker send an email to Amy Gibbons and CC Tammy Mackey. Parker said he will just send another letter to Colonel Helton because that will probably be faster. Krasnow agreed with Parker. Lorz asked what APHIS' role in the EA is and why it is being held up by APHIS. Schmidt said APHIS needs the NEPA coverage as well and nothing can be done until the NEPA is completed.



**3.11.2.2.** Mackey asked for clarity about what the NEPA impacts. Routine project hazing will continue going forward, the addition of lethal take cannot occur until the NEPA is complete. As it turns out, there is no NEPA coverage for project hazing but it is the baseline condition. Parker suggested cutting APHIS from the process to streamline and speed up the NEPA. Mackey interjected that Schmidt isn't responsible for the contracting portion of hazing, it comes from her office and the paperwork is already moving forward with language for lethal take, should the permit be acquired. Falconry also has the option for lethal take and that contract is moving through contracting now. Cordie didn't include lethal take in the 60-day trial but it could be added, if needed. Lawonn – "APHIS needs to fill out "Form 37" before USFWS can issue a take permit. Is this possibly the barrier?" McDowell doesn't think the form 37 is a barrier. McDowell said she hasn't looked at the falconry permit. Parker said they are licensed to conduct lethal take if the job site has a lethal take permit. McDowell asked everyone to take a breath and remember the time when we were all working together to implement the Avian Management Plan. She asked that everyone recognize that this process takes a lot of time. Parker said it is taking too long to get this process completed.

**3.11.2.3.** Lawonn asked if there is a lethal take permit for MCN. Krasnow asked Schmidt check in with APHIS and report back on the readiness of their hazers. **ACTION:** Schmidt said he will put the questions about the EA and capabilities to APHIS at his meeting today. Schmidt will invite Gallion to his meeting today. **UPDATE via email after FPOM:** "We [Schmidt] met with APHIS yesterday and also finally received their comments on the draft EA. I'm working on changes the next few days and APHIS is committed to weekly meetings until we finish. USFWS has some input coming but have not yet received that. My goal is to get the draft out for public around 1 March. But, that requires OC review, PAO coordination, OPSEC, 508 compliance review etc.... So, 1 March might be too aggressive. Good news though; APHIS has been successful in hiring staff that could implement lethal take this year if we conclude our FONSI(s) and get our depredation permit. USFWS is committed to issuing a permit once the FONSI(s) are complete."

**3.11.2.4.** Provided via email – -----Original Message-----

*From:* Bill Sharp <Bill\_Sharp@Yakama.com>

*Sent:* Thursday, February 09, 2023 11:03 AM

*To:* Mackey, Tammy M CIV USARMY CENWP (USA)

*Subject:* [Non-DoD Source] Re: CRITFC Miller Rocks Hazing

*We're dialing in on our non-lethal actions from the 2023 Season (mid April - end of May) on MRI with BLM. We have a pending app for some level of take with USFWS. Still under USFWS review, we're looking forward to some back and forth with them...too soon for details at this point.*

*Non-Lethal actions throughout the 2023 field season to include, but not limited to: air-cannons, pyrotechnics, human presence, dogs, cracker shells, hand-held green lasers, and falconry abatement. For the 2023 season we're targeting mid/late April (onset of nest building) until end of May. Other actions may continue longer.*

*Last season (2022), in addition to standard non-lethal actions we used falcons and a kick-ass Harris Hawk between (3/30 - 4/18). During falconry abatement gulls were successfully kept off MRI from dawn to dusk. We ended all activities on May 2nd when egg laying volume*

*was so great that we were concerned about take. Consulted with USFWS and agreed to end activities on May 2nd.*

*Call or drop me an email with questions,  
Thanks,  
Bill*

*Bill Sharp  
Research Scientist  
Yakama Nation Fisheries  
PO Box 151  
Toppenish, WA. 98948*

- 3.11.3.JDA.** Grosvenor reported that the project is working on a sole source contract to re-install nine lines at the powerhouse. There are six pelicans around the project right now. Lawonn was interested in pelicans at the project this time of year. Parker said they are a year round species now.
- 3.11.4.TDA.** Cordie reported low numbers of gulls and a few bald eagles at Westrick. Working on the USDA EAO and the falconry contract. Plan is to start falcons in mid-March, when cormorants start roosting on the towers. McDowell asked if there is a plan to remove nest starts before eggs are laid. Cordie said that is on the BPA side so he doesn't think there is a plan for that this year. Hausmann was asked about BPA's efforts. Hausmann is switching from predation lead (now Josh Ashline) to Bettin's backfill, as such, he doesn't have an update right now. Parker would like a faster way to address the BPA structures and the nesting potential of cormorants on those structures. Parker pointed out that the birds are impacting a lot of fish and that predation is considered take. It is important to address the nesting on those BPA structures. Krasnow noted that there were 1,588 tags recovered from '22 migration year at Troutdale Towers. Lawonn noted that the Corps reported the presence of the TDA Towers colony since at least 2018.
- 3.11.4.1.***In the chat form Cordie - Cormies have been using the towers for couple decades for overnight roosting. The nesting has been more noticeable in recent years. Lawonn - Thanks for that info Bob. Consistent with the cormorant MO. Check a place out as a roost first, and if the digs are good, they may eventually breed there.*
- 3.11.5.BON.** PH2 lines are getting repaired. Low avian numbers, about 40 birds. Spillway and B2CC lines are down for B-Branch erosion work.
- 3.11.6.Estuary.** Draft reports will be out for review. Parker asked about how FFU will address birds on Rice Island this year. Tidwell said FFU is in a better position this year due to advanced planning in anticipation of the birds. McDowell asked about dredge placement on Rice Is. Tidwell said there is a likelihood of that and the specific location can be communicated at a later time.
- 3.11.7.Reports –** Lawonn reported that the Status Assessment for DCCO was release last night. There is also a supplement detailing numbers and locations for 2021 and 2022. **ACTION: Lawonn will send the reports to Mackey for FPOM posting.** Morrill asked if there would be reports for gulls and terns as well. Lawonn said ODFW had been working on the DCCO reports but that was before the Columbia Basin Collaborative (CBC) process. ODFW, USFWS, and USACE will discuss the other reports soon. Lawonn said the CBC process is asking a lot of ODFW and there may not be a lot of time to work on all of the species. The goal is to have those species completed at some point though.
- 4. Coordination/Notification forms (need concurrence/discussion)**
- 4.1. NWW**
- 4.1.1.23LWG01 MFR Bird Wires repair.** Working on getting funding in place to get wires replaced in February.

#### 4.2. NWP

- 4.2.1.23JDA02 MFR STS oil leak. No additional comments.
- 4.2.2.23TDA02 MFR TDA-N coho morts. No known reason for why there were so many fish in the ladder. There was nothing in the ladder to prevent passage. TDA Fish is now conducting an AAR to avoid this issue in the future.
- 4.2.3.23BON002 MOC ITS gate install. Derugin explained there is one trashrack installed in chaingate 1A. The second trashrack cannot be installed until after winter maintenance because the crane needed is on the north shore and the spare isn't located along PH1 +55' deck. In the meantime, the chaingate has been lowered as much as possible. ITS installation is schedule for October. Still waiting on materials to arrive. Conder would like some confidence that the trashrack will be installed in March.
- 4.2.4.23BON003 MOC T11 Outage. Lorz would prefer to not have the outage but regular maintenance has to occur. Dry weather is important for safety. Conder doesn't want to agree to a T11 outage until the ITS is back in operation. Transformer work hasn't occurred in the winter, it usually occurs in the summer. FPOM would like more time to consider the outage and the impacts.
- 4.2.5.23BON004 MFR Spillbay 18 Closure for Infrastructure Assessment.

#### 5. Fish Passage Plan

- 5.1. The 2022 FPP is in effect through February 28, 2023, and available online at: [pweb.crohms.org/tmt/documents/fpp/2022/](http://pweb.crohms.org/tmt/documents/fpp/2022/)
- 5.2. The draft 2023 FPP (chapters, appendices, and change forms) are posted at: [pweb.crohms.org/tmt/documents/fpp/2023/changes/](http://pweb.crohms.org/tmt/documents/fpp/2023/changes/)
  - 5.2.1. PENDING Change Forms: forms approved today will make it into the printed FPP.
    - 5.2.1.1. 23JDA001 – Spillbay Inspections (Grosvenor, Lotspeich). Revised to clarify safety need for closing adjacent bays during inspection. Didn't include spill bay 4 because the inspection of bays 2-3, will require bay 4 closed (per clearance procedures).
    - 5.2.1.2. 23JDA002 – Adult Ladder Dewatering (Grosvenor, Lotspeich). Revised to add 12 hours to the max duration (“...not more than 108 hours”) rather than deleting entirely.
    - 5.2.1.3. 23MCN001 – Micro/Macro Spill Patterns (Peery). Revised. FPOM not thrilled with this, especially given the recent discussion this morning about the spillway. FPOM hasn't found a good path forward for keeping pressure on the MCN spillway and acknowledging there needs to be an operation in the FPP.
    - 5.2.1.4. 23IHR004 – Single Unit Operation (Wentworth). FPOM supports this change but wanted more info on why this operation is no longer necessary. – Withdrawn.
    - 5.2.1.5. 23LMN003 – Gatewell Drawdowns (Griffith). Revised.
    - 5.2.1.6. 23AppA001 – Doble Test Schedule (Peery). Revised.
    - 5.2.1.7. 23AppI001 – Turbine RTS Testing Sequence (Holdren, Peery). FPOM wanted more information.

#### 6. Task Group Updates.

- 6.1. Task Group Kelt Trigger (Lorz). [Documents / FPOM / 2013 / FPOM Task Groups \(crohms.org\)](#)
  - 6.1.1. Can be removed from the agenda for now.
- 6.2. Task Group Hazing. [Documents / FPOM Avian Task Group \(crohms.org\)](#)
  - 6.2.1. MCN Falconry meeting schedule for after the February FPOM. Started at 1400.