

Columbia River System (CRS) Fish Facility Design Review Work Group (FFDRWG) USACE, Portland District (NWP) and Walla Walla District (NWW)

March 2025 Meeting Notes

March 6, 2025, 09:00-11:00



FFDRWG Files: <https://public.crohms.org/tmt/documents/FPOM/2010/FFDRWG/CY2025/>

1 FFDRWG contact list - ** notify Chuck and Jake of any changes

BPA <i>CHRISTINE PETERSEN</i> Leah Sullivan Ben Hausmann Carolina Andes Josh Ashline Tammy Mackey	CRITFC/Tribes <i>TOM LORZ (CRITFC)</i> Laurie Porter (CRITFC) <i>GREG SILVER (CRITFC)</i> Aaron Jackson (CTUIR) Ralph Lampman (YN) <i>KEELY MURDOCH (YN)</i> Tod Sween (NPT) <i>JAY HESSE (NPT)</i> Lyman Jim (CTWS) Casey Baldwin (CTCR) Michael Karnosh (CTGR) Lawrence Schwabe (CTGR) Torey Wakeland (CTGR)	Nicole Tancreto CENWD <i>DOUG BAUS</i> Tim Dykstra Dan Feil Cindy Studebaker <i>LISA WRIGHT</i> Sean Tackley Ian Chane CENWP-PM Ida Royer Erin Kovalchuk <i>MARK BIERMAN</i> Nathan McClain Jake Macdonald <i>MARIE ADAMS</i> Jon Rerecich David Trachtenbarg <i>SCOTT FIELDING</i> Courtney Hollins CENWP-OD <i>JEANETTE FLEMMER (BON)</i> Tucker Gossett (BON) Jase Owens (BON) Becca Cates (BON)	Eric Grosvenor (TDA) Jeff Randall (TDA) Aaron Young (TDA) David Miller (JDA) <i>MICHAEL LOTSPEICH (JDA)</i> Laura Rickets (JDA) Robert Wertheimer (FFU) Patricia Madson (FFU) Darren Gallion (FFU) <i>KYLE TIDWELL (FFU)</i> CENWP-ENC Aaron Litzenberg (HD) Shari Dunlop (HD) Chris Motti (HD) Steve Schlenker (HD) <i>MAX WILSON-FEY (HD)</i> Adam White (DE) Collin Porter (DS) Dan Penn (DM) Cole Marfise (DM) Adam Jones (DG) Nicholas Rillstone (DS) CENWW-PM <i>CHUCK BARNES</i> <i>RYAN ASHCRAFT</i>	Steve Sipe Ricardo Walker Brad Trumbo Liana Aker Michael Erickson <i>KAREN ZELCH</i> CENWW-OD <i>CHRIS PEERY</i> <i>TIFFANY STOECKIG-DIXON</i> Denise Griffith Elizabeth Holdren Ken Fone Bobby Johnson Deb Snyder CENWW-ENC Jon Renholds <i>SEAN MILLIGAN</i> Ryan Pestes <i>TRAVIS FOSTER</i> John Lomeland <i>RYAN LAUGHERY</i>
NOAA Gabriel Brooks <i>TREVOR CONDER</i> Claire McGrath <i>KELSEY SWIECA</i> <i>CHRIS MAGEL</i> <i>KINSEY FRICK</i> Dana Bethea USFWS <i>DAVE SWANK</i> <i>SHELBY FOWLER</i> Joe Skalicky States <i>ERICK VAN DYKE (ODFW)</i> Ben Clemens (ODFW) <i>C. MORRILL (WDFW)</i> <i>JONATHAN EBEL (IDFG)</i> Marika Dobos (IDFG)	NPCC Kris Homel FPC <i>ERIN COOPER</i> <i>NOAH CAMPBELL</i> PSMFC <i>GORDY AXEL</i> Darren Chase Roger Clark Mark Leonard Scott Livingston			

2 Review Notes from last meeting (6 February)

<https://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/CY2025/index.html>

3 NWW Updates

- 3.1 NWW MNA Turbine Replacement Design – Jean Desjarlais (PM), Jon Renholds (TL)
 - No new updates
- 3.2 NWW IHR Turbine Cooling Water Exclusion - Karen Zelch (PM), Chuck Barnes (Bio)
 - Receiving strainer count data and analyzing
- 3.3 NWW LLA Adult Ladder Turn Pool Gate - Greg Linklater (PM), Chuck Barnes (Bio)
 - Pushed out to next IWW. Shortage of labor and materials
- 3.4 NWW MCN Avian deterrence – Karen Zelch (PM), Ryan Ashcraft (Bio)
 - 3.4.1 updated alternatives and matrix sent by R. Ashcraft on 1/24.
<https://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/CY2025/index.html>
 - Contractor is working on conceptual designs, waiting to hear back at this point
 - Next big milestone is may
- 3.5 NWW MNA PIT Detection – ~~Karen Zelch~~ (PM), Chuck Barnes (FFDRWG)
 - Workshop in Walla Walla on 20-March. Chuck will provide agenda soon.
- 3.6 NWW John Day Dam and Snake River Ladder Cooling – Karen Zelch (PM), Ryan Laughery (TL), Ryan Ashcraft (FFDRWG)
 - Laughery: See USACE Fishway Cooling - Proposed 2025 Evaluation Criteria.pdf and USACE Fishway Cooling - Proposed Modifications to 2011 Evaluation Criteria.pdf
 - Provide feedback on evaluation criteria to Ryan and Karen at next FFDRWG
 - Hesse: Appreciate the creative thinking, but would like to see consideration of consistency of “parts” throughout the system.

- Conder: Get what Hesse is saying, but consistency may be difficult given the differences in various systems.
- EVD: What are the scope sideboards? RL: not many sideboards at this stage.

4 NWP Updates

4.1 NWP JDA South fish pumps Dave - Hamernik? (PM)

4.1.1 Lorz (2/20): At SCT, USACE indicated CRFM was planning to fund long-term rehab. At FPOM, the project talked about some work for short term or maybe longer. It seems that this project is ripe for some more in-depth discussion.

- Lorz: What is FPOM doing, and what is SCT doing?
- ML: FPOM is working on emergency repairs to buy us ~5-6 years the big improvement in out years (SCT planning).
- Interim emergency repairs involve replacing gearbox, shaft, and bearings on at least 1 of the pumps.
- Big improvement in out years involves full replacement of all 3 pumps
- Interim emergency repairs are O&M funded, seeking CRFM funding for full replacement of all three pumps.
- Will keep on the FFDRWG agenda and track both projects together

4.2 NWP TDA Backup AWS debris management – Marie Adams (PM), Mehdi Roshani (TL), Jon Rerecich (FFDRWG)

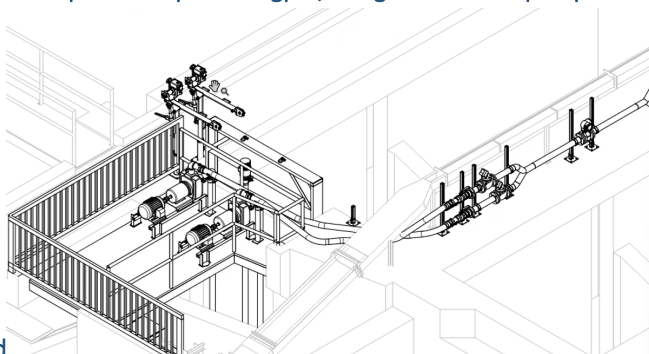
- PDT and contractor are working through comments

4.3 NWP BON Spillway rock mitigation – Marie Adams (PM), Adam Jones (TL), Jake Macdonald (FFDRWG)

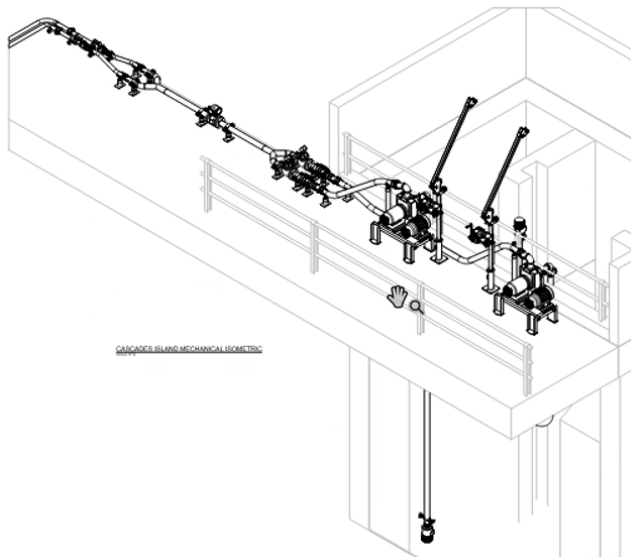
- 90% DDR review period ended 2/28
- Not currently on track for construction this Winter. Waiting for O&M funding to match BPA funding.
- Lorz: Is CRFM funding an option? Adams: Not at this point. Lorz: requested Conder add this topic to the SCT agenda.

4.4 Bradford Island and Cascades Island LPS pump upgrades (Kovalchuk/White)

- Bradford Island on-site 100% "Plan in Hand" meeting on 3/5
- Ordering materials throughout the summer, installing next winter IWW (installed by Project staff)
- Each pump will be capable of up to 175 gpm, designed to run 1 pump at a time with a standby backup



- Bradford Island



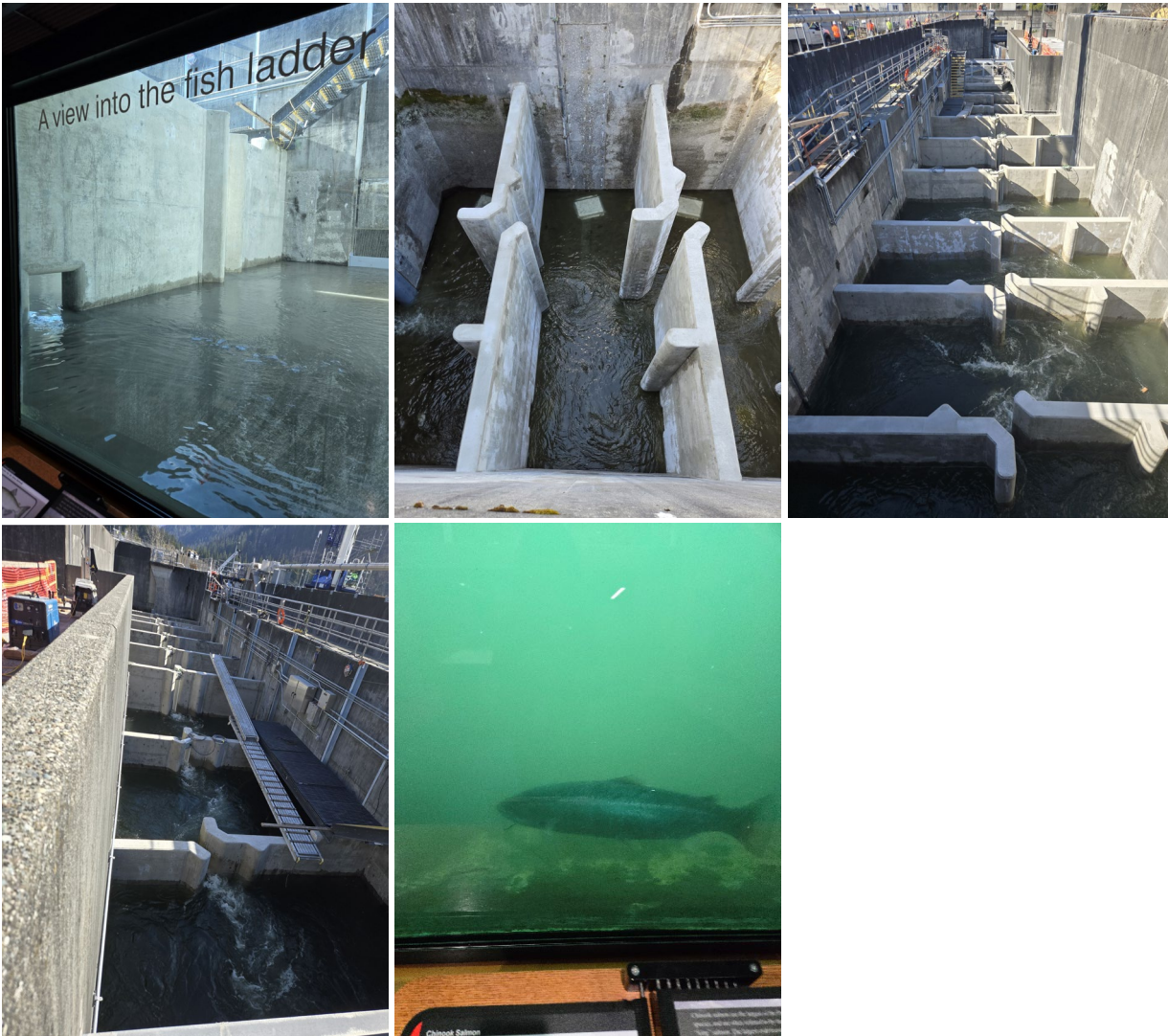
- Cascades Island

4.5 NWP BON1 PIT Detection – Mark Bierman (PM), Jeanette Flemmer (FFDRWG)

- Targeting advertisement in the next couple of weeks, if all goes well, install in late June or early July. 1 day install.

4.6 NWP BON2 control section redesign – Erin Kovalchuk (PM), Adam White (TL), Jake Macdonald (FFDRWG)

- Watered up on 3/5
- Still a couple weeks of above water work left installing walkways and hooking up PIT antennas



- Bonneville Ranger Alexa Harmon provided a picture of the first steelhead passing on the afternoon of 3/5, saying *“One thing I noticed was that she was really easy to track from window to window. Visitors would always try to do that with the old ladder, and we had to explain that it wasn't a linear path.”*

4.6.1 Exit channel PIT detection for post-construction evaluation.

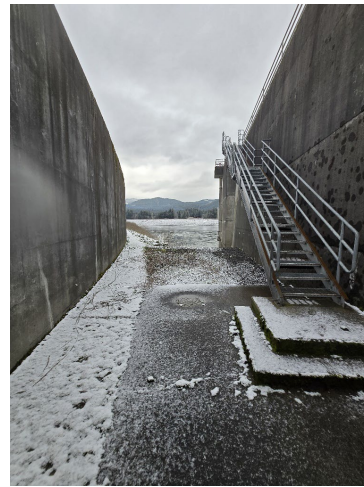
4.7 NWP BON2 junction pool lamprey trap/LPS - Courtney Hollins (PM), Nicholas Rillstone (TL), Jake Macdonald (FFDRWG)

- On-site EDR kickoff meeting occurred 2/24
- Have funding for Alternatives analysis (EDR) in FY 2025
- Have requested funding for Design Documentation Report (DDR) in FY 2026
- Funding dependent, Plans and Specifications (P&S) and contract solicitation could occur in FY 2027
- Funding dependent, earliest possible construction is likely in FY 2029 (Winter 28-29)

4.8 NWP TDA North lamprey passage structure extension for volitional passage – Courtney Hollins (PM), Nicholas Rillstone (TL), Jake Macdonald (FFDRWG)

- On-site EDR kickoff meeting occurred 2/25
- Have funding for Alternatives analysis (EDR) in FY 2025
- Have requested funding for Design Documentation Report (DDR) in FY 2026

- Funding dependent, Plans and Specifications (P&S) and contract solicitation could occur in FY 2027
- Funding dependent, earliest possible construction is likely in FY 2028 (Winter 27-28)
- 4.9 NWP JDA North lamprey passage structure water supply improvements – Courtney Hollins (PM), Nicholas Rillstone (TL), Jake Macdonald (FFDRWG)
- On-site EDR kickoff meeting occurred 2/26
- Have funding for Alternatives analysis (EDR) in FY 2025
- Have requested funding for Design Documentation Report (DDR) in FY 2026
- Funding dependent, Plans and Specifications (P&S) and contract solicitation could occur in FY 2027
- Funding dependent, earliest possible construction is likely in FY 2028 (Winter 27-28)
- 4.10 NWP prototype floating adult lamprey collector for tribal translocation, aka. “FALCON” (*partner project; not a USACE design) – Ralph Lampman (TL), Jake Macdonald (FFDRWG)
- Tribes need a location for a 3-week long test of the falcon in the BON tailrace beginning in mid-late July.
- Ideal location has variable flow conditions with shears and boils and is near a wall. The vicinity of fishway entrances provides ideal flow conditions.
- Given the uncertainty in the future workforce, we cannot count on any support from the Corps for this 3-week test. Any locations that require a crane to deploy or attach to the dam structure should be considered not feasible for 2025 at this point.
- The only remaining potentially feasible locations for 2025 with the flow conditions we want are the B2 south downstream entrance and the B1 north entrance. Of those two, B2 south downstream entrance is most feasible.
- Keefer 2013 suggested high approach rates and high fallback rates at B2 south downstream entrance, so presumably there should be high numbers milling around in the area.
- CRITFC/Tribes are visiting BON on Tuesday 3/11 to develop a detailed proposal for the 3-week test for FPOM and BON OPM review.



- Ebel: Concerned it could affect salmonid passage. Suggested a block study could help investigate those effects.

5 Upcoming meetings and field trips

- 5.1 Fish Facilities Design Review Work Group (FFDRWG) = first Thursday of every month (contact Jake Macdonald/Chuck Barnes if you need an invitation).
 - 5.1.1 Thursday, April 3rd @ 09:00
- 5.2 Fish Passage **Operation & Maintenance** (FPOM) Work Group = second Thursday of every month = (contact Bob Wertheimer/Chris Peery if you need an invitation).
 - 5.2.1 Thursday, April 10th @ 09:00
- 5.3 Studies Review Work Group (SRWG) FY 2026 Planning Cycle:
 - <https://public.crohms.org/tmt/documents/FPOM/2010/SRWG/FY26AFEPplanning/>

- 5.3.1 FY26 SRWG planning cycle kickoff meeting - Tuesday 2/18/25 12:00-13:30. Location: *virtual*
- 5.3.2 FY26 SRWG research summary review and development meeting – Thursday 3/6/25. Location: Portland, OR
- 5.3.3 FY26 SRWG research summary scoring meeting – Friday 5/2/25. Location: TBD
- 5.3.4 FY26 SRWG preliminary proposal review meeting – Thursday 7/3/25. Location: TBD
- 5.3.5 FY26 SRWG final proposal review meeting – Friday 8/29/25. Location: TBD

5.4 Upcoming Field Trips: