

Columbia River System (CRS) Fish Facility Design Review Work Group (FFDRWG)
 USACE, Portland District (NWP) and Walla Walla District (NWW)
 November 2025 Updates



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

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

<u>BPA</u>	Tom Lorz (CRITFC)	Mark Leonard	Becca Cates (BON)	<u>CENWW-PM</u>
Christine Petersen	Laurie Porter (CRITFC)	Scott Livingston	Eric Grosvenor (TDA)	Chuck Barnes
Leah Sullivan	Greg Silver (CRITFC)	Nicole Tancreto	Jeff Randall (TDA)	Ryan Ashcraft
Ben Hausmann	Pete McHugh (CRITFC)	<u>CENWD</u>	Aaron Young (TDA)	Ricardo Walker
Carolina Andes	Aaron Jackson (CTUIR)	Doug Baus	David Miller (JDA)	Brad Trumbo
Josh Ashline	Ralph Lampman (YN)	Tim Dykstra	Michael Lotspeich (JDA)	Kathryn Herzog
Tammy Mackey	Keely Murdoch (YN)	Dan Feil	Laura Rickets (JDA)	Jeremy Nguyen
<u>NOAA</u>	Tod Sween (NPT)	Cindy Studebaker	Robert Wertheimer (FFU)	Karen Kelly
Trevor Conder	Jay Hesse (NPT)	Lisa Wright	Patricia Madson (FFU)	<u>CENWW-OD</u>
Kelsey Swieca	Lyman Jim (CTWS)	Sean Tackley	Darren Gallion (FFU)	Chris Peery
Chris Magel	Casey Baldwin (CTCR)	Ian Chane	Kyle Tidwell (FFU)	Tiffany Stoeckig-Dixon
Emi Melton	Michael Karnosh (CTGR)	<u>CENWP-PM</u>	<u>CENWP-ENC</u>	Denise Griffith
Kinsey Frick	Lawrence Schwabe (CTGR)	Ida Royer	Aaron Litzenberg (HD)	Bobby Johnson
<u>USFWS</u>	Torey Wakeland (CTGR)	Erin Kovalchuk	Shari Dunlop (HD)	Deb Snyder
Dave Swank	<u>NPCC</u>	Mark Bierman	Chris Motti (HD)	Steven Lee
Shelby Fowler	Kris Homel	Jake Macdonald	Steve Schlenker (HD)	<u>CENWW-ENC</u>
Joe Skalicky	Kate Self	Marie Adams	Max Wilson-Fey (HD)	Jon Renholds
<u>States</u>	<u>FPC</u>	David Trachtenbarg	Adam White (DE)	Ryan Pestes
Erick Van Dyke (ODFW)	Erin Cooper	Courtney Hollins	Collin Porter (DS)	Travis Foster
Ben Clemens (ODFW)	Noah Campbell	<u>CENWP-OD</u>	Dan Penn (DM)	Ryan Laughery
C. Morrill (WDFW)	<u>PSMFC</u>	Nick Bertrand (ODT)	Cole Marfise (DM)	
Jonathan Ebel (IDFG)	Gordy Axel	Jeanette Wendler (BON)	Adam Jones (DG)	
Marika Dobos (IDFG)	Darren Chase	Tucker Gossett (BON)	Nicholas Rillstone (DS)	
<u>CRITFC/Tribes</u>	Roger Clark	Jase Owens (BON)	Will Guest (DS)	

2 NWP Projects

- 2.1 NWP BON Spillway rock mitigation – Marie Adams (PM), Adam Jones (TL), Becca Cates (BON)**
- Results of ROV spillway tailrace inspection completed 9/3/25 showed low volumes of debris in the stilling basin and no need for rock removal this year.
 - DDR/Plans & Specifications for rock barriers on the apron is paused at 90% awaiting additional appropriations. See FFDRWG files website for 90% design package.
- 2.2 NWP BON1 Ice & Trash PIT Detection – Mark Bierman (PM), Erika Mitchell (TL), Jeanette Wendler (BON)**
- Contract for fabrication was awarded on 9/19. Anticipate delivery to BON in February, ready for installation around March 2026, pending availability of Project support.
- 2.3 NWP BON1 B-Branch Stabilization Phase 1A – Greg Linklater (PM), David Hicks (TL), Becca Cates (BON)**
- Scope:
 - This project is to evaluate the portion of shoreline at Bonneville adjacent to spill bay 18 and provide a recommendation for a corrective action with greater longevity than previous repair efforts.
 - Tentative schedule:
 - 30% (Constraints & Criteria) report review ~January 2026
 - 60% (Alternatives Evaluation) report review ~April 2026
 - 90% (Draft Final) report review ~August 2026
 - Capital Work Group Final Presentation ~October 2026
- 2.4 NWP BON1 Fishway Diffusers Phase 1A – Karen Robison (PM), Will Guest (TL), Jeanette Wendler (BON)**
- Scope:
 - A 2013 EDR explicitly identified several deficiencies with the fishway diffuser valve & gate system. Many of the gate components identified are highly corroded and subject to failure. Many of the gate guides have been repeatedly anchored into concrete that has become degraded over the years. Several of the valves have difficulty functioning and adversely affect flow of water in the fish ladders. In their current condition they present a risk of failure that would impact fish passage reliability and possibly put us out of compliance with the latest BiOp.

- Objectives:
 - The primary objective of this project is to develop a plan to rehabilitate fish gate openings, replace fish gates, operators, and electrical controls associated with Bradford and Cascades Island Fish Ladders. A secondary objective is to replace or repair the fish valves and their respective electrical control systems.
 - Tentative schedule:
 - 30% (Constraints & Criteria) report review ~December 2025
 - 60% (Alternatives Evaluation) report review ~March 2026
 - 90% (Draft Final) report review ~October 2026
 - Capital Work Group Final Presentation ~January 2027
- 2.5 NWP BON2 Submerged Traveling Screen (STS) Rehabilitation Phase 1a – Karen Kelly (PM), Will Guest (TL), Becca Cates (BON)**
- Scope:
 - PDT is developing alternatives to replace or rehab all 24 screens as well as procure one spare. From previous work, there is a full drawing package and plans and specs that are near ready for advertisement. The work envisioned in this project is to review the existing materials, update cost and schedule estimates, and proceed into construction. Uniformity of devices and commonality of spare parts is a priority for the end user. One screen currently at Bonneville is from John Day and has a different construction. During the Phase 1A the PDT will evaluate whether and how this objective can be achieved (inclusive of but not limited to STS in service at Bonneville and John Day).
 - Objectives:
 - Review existing project documentation to ensure consistency with observed condition and need.
 - Determine if replacement or rehabilitation is the most effective alternative.
 - Develop contract package for rehab or replacement of 24 STS and one spare.
 - Tentative schedule:
 - 30% (Constraints & Criteria) report review ~June 2025
 - 60% (Alternatives Evaluation) report review ~August 2025
 - 90% (Draft Final) report review ~December 2025
 - Capital Work Group Final Presentation ~January 2026
- 2.6 NWP BON2 exit channel PIT detection for post-construction evaluation – Erin Kovalchuk (PM), Adam White (TL), Becca Cates (BON)**
- Preliminary results from the 2025 passage season will be presented by Ben Sandford at SRWG annual review in January.
- 2.7 Bradford Island and Cascades Island LPS pump upgrades - Erin Kovalchuk (PM), Adam White (TL), Tucker Gossett (BON)**
- Procuring equipment/supplies for potential construction this winter, BON Project will perform the work, pending availability of Project support.
- 2.8 NWP TDA Fishway Diffusers Phase 1A – Karen Robison (PM), Will Guest (TL), Eric Grosvenor (TDA)**
- Scope:
 - Depending on different locations in the Fish Ladders, the project has assessed that some of the valves and orifices need to be permanently closed, fixed in an open position, or restored to operability, with specific requirements to be determined by the PDT. Many of the diffuser valves are inoperable and/or obsolete. In their current condition they present a risk of failure that would impact fish passage reliability and possibly put us out of compliance with the latest BiOp.
 - Tentative schedule:
 - 30% (Constraints & Criteria) report review ~March 2026
 - 60% (Alternatives Evaluation) report review ~August 2026
 - 90% (Draft Final) report review ~October 2026
 - Capital Work Group Final Presentation ~January 2027
 - Phase 1 work complete ~ May 2029
- 2.9 NWP TDA Backup AWS debris management – Marie Adams (PM), Mehdi Roshani (TL), Jake Macdonald (FFDRWG)**
- Final (pre-BCOES) DDR completed April 2025. See FFDRWG files website for final (pre-BCOES) design package.

- 2.10 NWP JDA South fish pumps - Tim Ernster (PM), David Miller (JDA)
 - Short-term interim repairs = O&M/FPOM | Long-term full replacement of all three pumps = CRFM/FFDRWG
- 2.11 NWP BON2 junction pool lamprey trap/LPS - Courtney Hollins (PM), Nicholas Rillstone (TL), Jake Macdonald (FFDRWG)
- 2.12 NWP TDA East lamprey passage structure extension for volitional passage – Courtney Hollins (PM), Nicholas Rillstone (TL), Jake Macdonald (FFDRWG)
- 2.13 NWP JDA North lamprey passage structure extension for volitional passage – Courtney Hollins (PM), Nicholas Rillstone (TL), Jake Macdonald (FFDRWG)

3 *NWW updates*

- 3.1 NWW MNA Turbine Replacement – Jean DesJarlais (PM), Jon Renholds (TL)
 - Presentation on most recent fixed blade ERDC results at next FFDRWG meeting
- 3.2 NWW IHR Turbine Cooling Water Exclusion - Karen Kelly (PM), Chuck Barnes (Bio)
 - Waiting on lamprey to show up to look at entrainment differences with/without pumps running
- 3.3 NWW LLA Adult Ladder Turn Pool Gate - Greg Linklater (PM), Chuck Barnes (Bio)
 - Still scheduled for installation by the Project this winter
- 3.4 NWW MNA Avian deterrence – Karen Kelly (PM), Ryan Ashcraft (Bio)
 - Final report received and distributed to FFDRWG September 2025. See FFDRWG files website for final report.
- 3.5 NWW MNA PIT Detection – Kat Herzog (PM), Chuck Barnes (Bio)
 - Scoping report is in internal review
- 3.6 NWW John Day Dam and Snake River Ladder Cooling – Karen Kelly (PM), Ryan Laughery (TL), Ryan Ashcraft (FFDRWG)
 - Final report received and distributed to FFDRWG. See FFDRWG files website for final report.

4 *Upcoming meetings and field trips*

- 4.1 Fish Facilities Design Review Work Group (FFDRWG) = first Thursday of every month (contact Jake Macdonald and Chuck Barnes if you need an invitation).
- 4.2 Fish Passage Operation & Maintenance (FPOM) Work Group = second Thursday of every month = (contact Patricia Madson and Chris Peery if you need an invitation).
- 4.3 Studies Review Work Group (SRWG) FY 2026 Planning Cycle: <https://public.crohms.org/tmt/documents/FPOM/2010/SRWG/FY26AFEPplanning/>
 - FY25 SRWG Annual Review: Thursday, January 22, 2026 (All day) @ PNNL Auditorium, Richland, WA