Columbia River System (CRS) Fish Facility Design Review Work Group (FFDRWG)

USACE, Portland District (NWP) and Walla Walla District (NWW)

August 2023 Meeting Agenda

Meeting Date: August 8, 2023, 08:00-12:00

Webex: <https://usace1.webex.com/join/jacob.macdonald>

Join by phone (audio only, no Webex): (844) 800-2712 | Access Code: 1995 00 9820

## FFDRWG Meeting Files:

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

## Introductions

**NWP FFDRWG members:**

**BPA**

Scott Bettin

Christine Petersen

Greg Smith

Leah Sullivan

Ben Hausmann

**NOAA**

Blane Bellerud

Gabriel Brooks

Trevor Conder

Claire McGrath

Kelsey Swieca

Chris Magel

Kinsey Frick

Dana Bethea**\*NEW**

**USFWS**

Dave Swank

Shelby Fowler

**States**

Erick Van Dyke (ODFW)

Ben Clemens (ODFW) **\*NEW**

Charles Morrill (WDFW)

Jonathan Ebel (IDFG)

**CRITFC/Tribes**

Tom Lorz (CRITFC)

Laurie Porter (CRITFC)

Greg Silver (CRITFC)

Casey Baldwin (CTCR)

\*Michael Karnosh (CTGR)

Lawrence Schwabe (CTGR)

Torey Wakeland (CTGR)

Aaron Jackson (CTUIR)

Ralph Lampman (YN)

Tod Sween (NPT)

**NPCC**

Kris Homel

**FPC**

Erin Cooper

Noah Campbell **\*NEW**

**PSMFC**

Alan Brower

Darren Chase

Roger Clark

Mark Leonard

Scott Livingston

Nicole Tancreto

Don Warf

**CENWD**

Doug Baus

Tim Dykstra

Dan Feil

Cindy Studebaker

Lisa Wright

Sean Tackley

Ian Chane

**CENWW**

Chuck Barnes

Chris Peery

Steve Juhnke

Steve Sipe

**CENWP-OD**

Andrew Derugin

Jeanette Wendler

Tucker Gossett

Bob Cordie

Jeffrey Randall

Eric Grosvenor

Michael Lotspeich

Laura Rickets

Tammy Mackey

Robert Wertheimer

Patricia Madson

Darren Gallion

Kyle Tidwell

**CENWP-PM**

Ida Royer

Jim Adams

Jeff Hicks

Erin Kovalchuk

Brad Eppard

Nathan McClain

Jake Macdonald

Jon Rerecich

David Trachtenbarg

Scott Fielding

Rebecca Cates

Tessa Rough

**CENWP-ENC**

Adam Jones

Adam White

Brandt Bannister

Shari Dunlop

Chris Motti

Steve Schlenker

Max Wilson-Fey

Collin Porter

Dan Penn

Aaron Litzenberg

Mehdi Roshani

Cole MARFISE

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James Lawonn (ODFW)

Jason Brandt (ODFW)

Adam Storch (ODFW)

Tim Dalton (ODFW)

Charles Morrill (WDFW)

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Tod Sween (NPT)

Ray Ellenwood (NPT)

Jay Hesse (NPT)

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Sean Tackley

Lisa Wright **\*add**

**CENWP**

Ida Royer

**CENWW-PM**

Chuck Barnes

Steve Juhnke

Steve Sipe

Ricardo Walker

Brad Trumbo

Liana Aker

Michael erickson

**CENWW-OD**

Chris Peery

Denise Griffith

Elizabeth Holdren

Ken Fone

Bobby Johnson

Deb Snyder

Denise Griffith

**CENWW-ENC**

Jon Renholds

Sean Milligan

Ryan Pestes

Travis Foster

John Lomeland

Ryan Laughery

## Action items from previous meetings

1. Review notes from June 1st NWP field trip to Bonneville Dam
2. Review notes from April 27th NWW FFDRWG meeting

## NWP Topics for FFDRWG Discussion/Review/Coordination

1. **NWP TDA Backup AWS debris management – Erin Kovalchuk (PM), Mehdi Roshani (TL), Jon Rerecich (FC)**
	* 90% EDR comment period open 7/12/23 through 8/11/23 (per 7/12 email from Jon Rerecich)
	* 90% EDR available for FFDRWG review at: [NWP FFDRWG and SRWG documents](https://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/FFDRWG.html) (<https://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/FFDRWG.html>)
	* See attached slide presentation TDA AWS DEBRIS MANAGEMENT FFDRWG 90 MEETING.pdf
	* Tom Lorz: Response to comments? Jon: it’s in one of the appendices.
	* Tom: Concerned about the use of a rotary brush. Keeping it simpler would be better.
	* Trevor: Also concerned about the O&M tail of the rotary brush concept.
2. **NWP BON2 control section redesign – Erin Kovalchuk (PM), Shari Dunlop (TL), Andrew Derugin (FC)**
	* Final DDR comment period open 6/29/23 through 7/31/23 (per 6/29 email from Jake Macdonald)
	* Draft final DDR available for FFDRWG review at: [NWP FFDRWG and SRWG documents](https://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/FFDRWG.html) (https://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/FFDRWG.html)
	* 60% Plans & Specifications (P&S) is underway (White)
3. **NWP BON2 floating adult lamprey trap for tribal translocation (\*partner project; not a USACE design) – Ralph Lampman (“TL”), Jake Macdonald (FC)**
	* CRITFC member tribes and their associates are designing, constructing, and testing a floating adult lamprey trap in the Tanner Creek hatchery in 2023 and wish to deploy their trap in the BON2 tailrace in 2024. FFDRWG will review their design, observe 2023 testing, and offer recommendations for design changes prior to agreeing to deployment at the dam in 2024.
	* At a previous meeting, FFDRWG recommended pinniped deterrence (to keep sea lions from hauling out) and monitoring to ensure no negative impacts to salmonids. CRITFC member tribes and their associates have already incorporated pinniped deterrence in their design and are developing a monitoring plan to investigate any negative impacts to salmonids.
4. **NWP BON1 adult lamprey passage improvements – Erin Kovalchuk (PM), Adam White (TL), Andrew Derugin (FC)**
	* 90% DDR available for FFDRWG review at: [NWP FFDRWG and SRWG documents](https://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/FFDRWG.html) (https://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/FFDRWG.html)
	* Construction contract awarded to Northbank Civil and Marine (Vancouver, WA), construction to occur this Winter 2023-2024.
5. **NWP** [**TDA adult lamprey passage improvements – Erin Kovalchuk (PM), Adam White (TL)****, Jake Macdonald (FC)**](#_BON_Bradford_Island_2)
	* 90% DDR available for FFDRWG review at: [NWP FFDRWG and SRWG documents](https://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/FFDRWG.html) (https://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/FFDRWG.html)
	* Construction contract awarded to Northbank Civil and Marine (Vancouver, WA), construction to occur this Winter 2023-2024.
6. **NWP JDA adult lamprey passage improvements – Erin Kovalchuk (PM), Adam White (TL), Eric Grosvenor (FC)**
	* 100% DDR available for FFDRWG review at: [NWP FFDRWG and SRWG documents](https://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/FFDRWG.html) (https://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/FFDRWG.html)
	* 2023 operation update (Grosvenor)
7. **NWP BON2 FGE – Oseji Azuka (PM), Max Wilson-Fey (TL), Jon Rerecich (FC)**
	* Finishing up unit 14, unit 13 is next up, then unit 12. All work should be complete by the end of October 2023.
	* Tom: Evaluation? Jon: funding EAO to PNNL to develop an implementation plan

**NWW Topics for FFDRWG Discussion/Review/Coordination**

1. **NWW MNA Turbine Replacement Design – Jean Desjarlais (PM), Jon Renholds (TL)**
	* Fixed blade testing is ongoing at ERDC
	* Tom: Unit locations, how did we choose adjustable in 9-14 and fixed in 1-8? Renholds: Multi-criteria analysis determined the best configuration.
2. **NWW MNA Draft Tube Slot Filler – Jean Desjarlais (PM), Jon Renholds (TL), Chuck Barnes (Bio)**
	* 60% Review completed 24 April
	* Change to design due to new uplift concerns – Renholds
	* See attached slide presentation FFDRWG McNary Update Aug 2023.pdf
	* Trevor: Opportunity for draft tube PIT detection? Several representatives indicated interest in whether PIT tag detection could be added to the McNary draft tube slot filler. As requested, the design of the slot filler was sent to PSMFC to consider the feasibility of adding PIT tag detection to the draft tube using the slot filler.
3. **NWW IHR Turbine Unit Cooling Water Exclusion Structure- Steve Juhnke (PM), Liana Aker (Bio)**
	* 60% Design Review completed 20 March
	* P&S package to FFDRWG for review the week of August 21st. Fabrication in FY24, installation in late FY24 or early FY25.
4. **NWW LGA Adult Ladder Cooling Chimney Flap Gate- Steve Juhnke (PM), Chuck Barnes (Bio)**
	* 60% Design Review completed 12 June
	* 90% Design Review scheduled for 16 August
	* Converted back to solid gate based on feedback at last FFDRWG
5. **NWW LLA Adult Ladder Turn Pool Gate- Greg Linklater (PM), Chuck Barnes (Bio)**
	* 30% Design completed 27 June
	* 60% Design Review is being bypassed due to project simplicity. Straight from 30 to 90.
	* Removable panel being added to address NOAA downstream concerns – Barnes
	* NOAA: confirm that the finger trap figure shown was inaccurate and the fingers would be overlapping on the design. Chuck reached out to tech lead and confirmed figure shown was just a generic photo of a finger trap and actual design will overlap.

## Parking lot for future meetings

1. **NWW Lower Granite cooling pumps – Steve Juhnke (PM)**
2. **NWW ICH gate storage (Morrill).**
	* Chuck will forward notes from last time.
3. **NWW MCN Avian deterrence – Steve Juhnke (PM)**
	* Kickoff 01-Oct with EDR
4. **NWW MNA PIT Detection – TBD (PM)**
	* PIT detection EDR (alternatives analysis) kicking off October 2023
5. **NWW John Day Dam and Snake River Ladder Cooling – Steve Juhnke (PM)**
	* Ladder Cooling EDR (alternatives analysis) kicking off October 2023
	* October 2022 John Day South Fish Ladder Temperatures MFR available at: [NWP FFDRWG and SRWG documents](https://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/FFDRWG.html) (<https://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/FFDRWG.html>)
6. **NWP BON Spillway rock mitigation – Erin Kovalchuk (PM), Adam Jones (TL), Rebecca Cates (FC)**
	* 2022 Phase 1a final report available for FFDRWG reference at: [NWP FFDRWG and SRWG documents](https://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/FFDRWG.html) (<https://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/FFDRWG.html>)
	* Solicit FFDRWG input on barrier corners/concrete finish at a future FFDRWG (Cates)
7. **NWP BON PIT Detection – Erin Kovalchuk (PM), Rebecca Cates (FC)**
	* 2019 PIT detection feasibility EDR available for FFDRWG reference at: [BON PIT Feasibility](https://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/BON%20PIT%20Feasibility/) (<https://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/BON%20PIT%20Feasibility/>)

## Upcoming meetings and field trips

1. **Next regularly scheduled FFDRWG meeting – Thursday, September 7th @ 09:00**
	* Combined with NWW FFDRWG again?
	* Send suggestions for agenda items to Jake Macdonald and Chuck Barnes
2. **Field trip** **for FFDRWG and Corps-Tribal Lamprey Work Group to see JDA adult lamprey passage improvements in operation**
	* Partial day, In-person site visit in 2024 (trap is shut down for 2023 per request)
	* Jake will schedule