

The Dalles Dam Fishway Status Report

12/31/23

Inspection Period 12/25-12/31, 2022

THE DALLES DAM



US Army Corps
of Engineers
Portland District

The Dalles Project-Fisheries
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The Dalles Dam	Inspections OOC	Criteria Limit	Total Number of Inspections: 6		Temperature: 38.7 °F
			Comments: nominal		Weekly Ave. Secchi: 5+

NORTH FISHWAY

Exit differential	0	≤ 0.5'	Large amounts of floating milfoil kept out by boom and raking gratings.		
Count station differential	0	≤ 0.3'	Video counting is ongoi		
Weir crest depth	0	1.0' ± 0.1'	North ladder is rock solid automation.		
Entrance weir N1	0	depth (≥ 8')	Avg. for week	10.0	
Entrance Differential	0		Avg. for week	1.3	
N2	0	Closed			
PUD Intake differential	0	≤ 0.5'	PUD and hand raking keeping up with floating stems of aquatic weeds mostly.		

EAST FISHWAY -UNDERGOING WINTER MAINTAINENCE

JUVENILE BYPASS

Sluicgate operation	0	closed	Endgate closed 12/16/22. Intakes 1-8-16-18 open.		
Turbine trashrack drawdown	0	<1.5', biwkly			
Spill volume/pattern	0	1 to 22	NO SPILL.		
Turbine Unit Priority	0	per FPP			
Gatewells	0	Weekly	Very little debris in intakes or gatewells		

Current Outages

MU19 & MU20 FOOS 10/07/2018 – 10/27/2023 T10 ACETYLENE

MU12 OOS 04/12/2021 – 9/22/2023 ANNUAL

MU18 OOS 08/29/2022 -1/26/2023, COOLER

F1 OOS 11/26/2022 - 01/26/2023, 2 YEAR

F2 OOS 12/01/2022 - 01/04/2023, ANNUAL

MU21 OOS 12/12/2022 – 01/05/2023, GENERATOR FALL PROTECTION

Maintenance

ROV inspection of fish unit intake trashrack Jan18 to assess aquatic vegetation buildup.

Planning to use fish unit intake trashrack rake in anticipation for future debris buildup concerns. To be in service by March 1.

EFL exit weir 155 repair in progress. Weirs 154 and 155 cutting lamprey orifices per PDT recommendation.

Plan to pull north entrance trashrack end of Jan for inspection.

Calibrations: North entrance maintaining criteria.

Spillway assessment (MRER); Spillgates 1- 9 rehab 2034. Includes spillbay 9 trunnion pin repair. Spillway crane first priority

Planning spill gates 9 and 10 cable and gearbox swap. Replacing bulkhead seals needed. Completion estimate end march.

Fish unit rehab Phase 1A awaiting funding.

AWS intake trashrack debris management - PDT reviewing alternatives.

Predators

Bald Eagles dominating other predatory birds from westrick park. Western/glaucus wing gulls still spending overnight on project

Hybrid gulls dispersing daily, unable to feed due to eagles. Resident cormorants foraging around project.

Using green laser to move gulls and cormorants from common resting areas. Making comments to EA drafted by Paul Schmidt.

Construction/Contractors

[USGS ladder-river temperatures-F°](#)

4 peaks counting 4/1-10/31. Video counting will occur through December this year.

Fish Accords Lamprey Passage plan ongoing at 90% due 09/01 DDR junction pool LPS. Investigating mods for entrance and exit weirs.

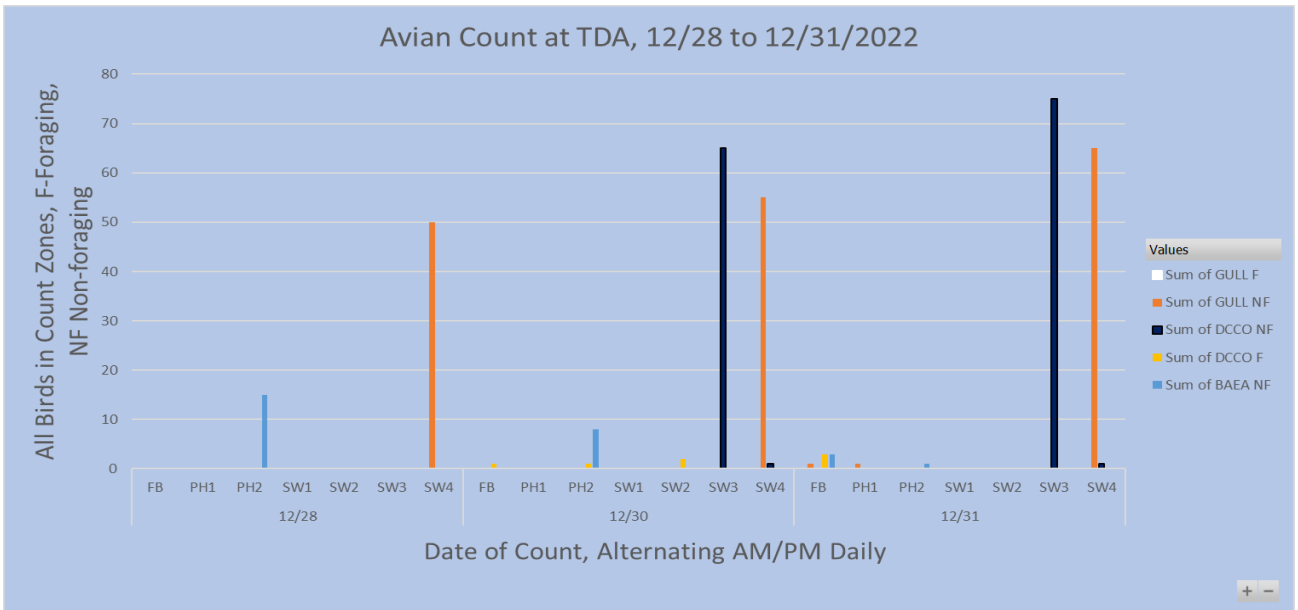
PTAGIS fishladder data collection at count stations continues

Operations

Ice Trash sluiceway endgate closed. Sluiceways 1,16 open to forebay.

East and North fishways in full service

Approved by: Ron Twiner, Operation Project Manager, The Dalles Dam



Eagle numbers fluctuate daily but are trending upward to roughly peak of 15 around midday. Non foraging gulls distancing from eagles in SW4.

Endgate closed 12/16/22. Intakes 1-8-16-18 open.

Secchi:		USGS°F
5+	Sun	38.9
5+	Mon	38.8
5+	Tue	39.0
5+	Wed	39.0
5+	Thurs	39.0
5+	Fri	38.4
5+	Sat	38.1
5+	AVG	38.7

Reporting week data

Date:	North Ladder		East Ladder											
			East Entrance					West Entrance			South Entrance			
	Differential	N1 Depth	Differential	E1 Depth	E2 Depth	E3 Depth	JP 6	Differential	W1	W2	W3	Differential	S1	S2
12/25														
12/26														
12/27	1.5	9.8												
12/28	1.3	10.1												
	1.3	10.0												
12/29	1.3	9.7												
12/30	1.4	9.9												
12/31	1.2	10.2												
AVG:	1.3	10.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

EAST LADDER DEWATERED

Fishways are inspected once daily 12/1/22.

found out of criteria



Bald eagles have taken over the bird count zones at The Dalles. Lone Pine village in the background.



Lamprey orifices cut into each side of 154 and 155 weirs. Dimensions 1.5" x 12"