The Dalles Dam Fishway Status Report

1/3/2021

Inspection Period: 12/27/2020 - 1/2/2021

THE DALLES DAM



The Dalles Project-Fisheries P.O. Box 564 The Dalles, OR 97058-9998 Phone: 541-506-3800

The Dalles Dam	Inspections	Criteria	Total Number of Inspections: 4 Temperature: 43.2 °F
The Dailes Daili	OOC	Limit	Comments: North fishway functional Weekly Average Secchi: 6.0
NORTH FISHWAY			
Exit differential	0	≤ 0.5'	
Count station differential	0	≤ 0.3'	
Weir crest depth	0	1.0' ± 0.1'	
Entrance differential	0		1.3
Entrance weir N1	0		9.3
Entrance weir N2	0	Closed	
PUD Intake differential	3	≤ 0.5'	TDM unable to remove significant floating weeds buildup. North FB index data unreliable.
EAST FISHWAY			
Exit differential		≤ 0.5'	
Removable weirs 154-157		Per forebay	
Weir 158-159 differential		1.1' ± 0.1'	
Count station differential		≤ 0.3'	
153 Weir crest depth		1.3' ± 0.1'	
Junction pool weir JP6	Fishway	> 7.0'	Average for week = 0.0
East entrance differential	closed	1.0' - 2.0'	Average for week = 0.0
Entrance weir E1		No criteria	Average for week = No criteria
Entrance weir E2			Average for week = 0.0
Entrance weir E3			Average for week = 0.0
Collection channel velocity			2.94fps 11/26/2020 Range: Data unavailable
Transportation channel velocity			2.51 fps, 11/26/2020
North channel velocity	0		2.69 fps, 12/26/2020
South channel velocity			4.24fps, 11/26/2020
West entrance differential			Average for week = 0.0
Entrance weir W1			1 0
Entrance weir W2	Fishway		Average for week = 0.0
Entrance weir W3	closed	No criteria	
South entrance differential			Average for week = 0.0
Entrance weir S1			Average for week = 0.0
Entrance weir S2		depth (≥ 8')	Average for week = 0.0
JUVENILE PASSAGE			
Sluicegate operation	0		Sluice closed 1,3,18 gates open to flush.
Turbine trashrack drawdown	0	<1.5', biwkly	11/26/2020 checked, all in criteria.
Spill volume/pattern	0	1 to 8	Spill closed 9/1/2020.
Turbine Unit Priority	0	per FPP	
Gatewells	0		11/26/2020 fish check, no fish mortality seen.

OTHER ISSUES:

Current Unit Outages

FU1 and 2 out through 1/21/20 for winter maintenance

MU1 and 2 out thorugh 2/28/21 for T1 replacement

SSO1 out through 1/14/21 for overhaul

MU9 and 10 out through 1/5 for T6 trip circuit

MU11 and 12 out through 1/5 for oil leak repair

MU19 and 20 out through 10/28/21 for T10 acetylene levels

Maintenance

Repairing wind damaged debris guard for north fishladder exit.

PUD intake rake out of service due to power track damage. Exploring short and long term options.

Five of 6 east fishway collection channel dewatering pumps removed for repair/rehab. Work to resume FY21.

East and north fishway automation PLC panels installed. All sensors installed. Programming underway. Completion target end Jan.

Spillway assessment (MRER); Spillgate 9 trunnion pin included.

Grating gaps discovered at east entrance through ROV inspection. Dive repair planned for week of Jan11.

Predators

Moderate to high gull numbers. Refer to avian graph tab for bird numbers.

Green laser use for piscivorous bird hazing testing continues. Effective on roosting birds during low light.

Investigating falconry for forebay tower cormorant deterrence

Pikeminnow dam angling resumes next May. All invasive bass/walleye by-catch release to continue per state requirement.

Research/Construction/Contractors

PIT scanning in east ladder done by project staff. Approx 20 tags recorded. Investigating possible source. Data entered in PITAGS

AWS intake trashrack - EDR funded for FY21 to investigate solution for debris plugging issue. Awaiting planning meetings

PITAGS north and east fishladder data collection at north count stations continues. East antenna annual maintenance this month during dewatering.

Fish unit rehab - Phase 1A. Planning operation with AWS backup water supply during construction on hold.

Fishway Operations

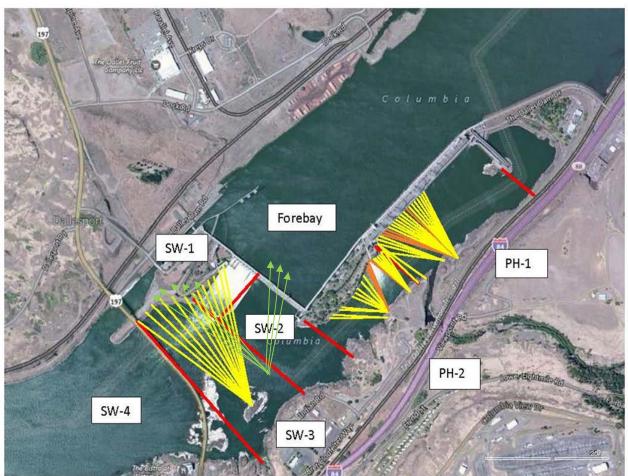
North fish ladder in full operation

East ladder dewatered Dec2

Sluiceway closed until Mar1

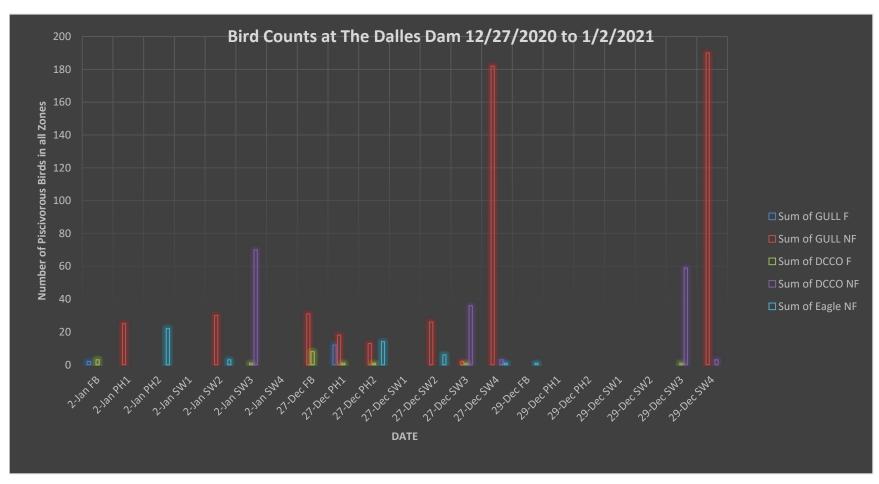
Approved by: Ron Twiner, Operation Project Manager, The Dalles Dam

New Avian Lines and laser deterrent zones

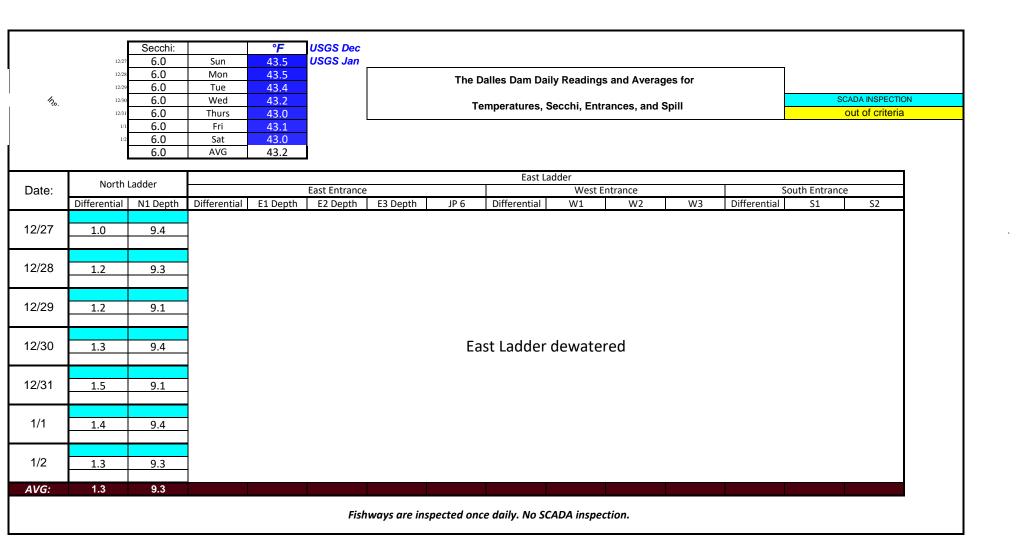




3-Jan-21 Inspection Period: 12/27/2020 - 1/2/2021









Find the eagle.