The [Dalles Darr	Status Report THE DALLES DAM The Dalles Project-Fisheries P O. Box 564											
	Inspection P	of Engineers The Dates, OK = 3600 - 3500											
Inspection Period: 10/20-10/26, 2019													
Increations Criteria Tetal Number of Increationary 24 Temperature: 57.0 °C													
The Dalles Dam	Inspections OOC	Criteria Limit	Total Number of Inspections: 21 Temperature: 57.2 °F Comments: Soft constraint on FB 159.5' Secchi: 5.0 feet										
	000	LIIIII											
NORTH FISHWAY													
Exit differential	0	≤ 0.5'											
Count station differential	0	≤ 0.3'											
Weir crest depth	0	1.0' ± 0.1'											
Entrance differential	0	1.0' - 2.0'	Average for week = 1.27										
Entrance weir N1	0	/	Average for week = 9.4										
Entrance weir N2	0	Closed											
PUD Intake differential	0	≤ 0.5'											
EAST FISHWAY													
Exit differential	0	≤ 0.5'											
Removable weirs 154-157	0	Per forebay	Weir 157 experiencing mechanical brake failure, able to maintain criteria manually.										
Weir 158-159 differential	0	$1.0' \pm 0.1'$											
Count station differential	0	≤ 0.3'											
153 Weir crest depth	0		occasionally exceeds 1.2										
Junction pool weir JP6	0	0.0	Average for week = 10.6										
East entrance differential	0		Average for week = 1.51										
Entrance weir E1	0		Opened and adjusted to maintain differential										
Entrance weir E2	0		Average for week = 11.37										
Entrance weir E3	0		Average for week = 11.37 Average for week = 11.38										
Collection channel velocity	0		2.74 fps Average Range: 1.56 fps SS - 3.91 fps MU21 10/25/19										
Transportation channel velocity	0		2.42 fps 10/25										
North channel velocity	0		2.79 fps 10/25										
South channel velocity	0		3.42 fps 10/25										
West entrance differential	0		Average for week = 1.5										
Entrance weir W1	0		Average for week = 0.0 Closed 9/12 due to slack cable										
Entrance weir W2	0		Average for week = 10.0 Closed 9/12 due to stack cable										
Entrance weir W2	0		Average for week = 10.0 Opened 9/12 in place of W1. W3 now experiencing slack cable.										
South entrance differential	0		Average for week = 10.0 Opened 9/12 in place of W1. W3 how experiencing stack cable.										
Entrance weir S1	0		Average for week = 1.5										
	-												
Entrance weir S2 0 depth (≥ 8') Average for week = 8.5 JUVENILE PASSAGE													
Oluissante eneration	0												
Sluicegate operation	0	Units 1, 8, 18											
Turbine trashrack drawdown	0		Drawdown inspection gatewells 10/21, no morts										
Spill volume/pattern	0	None											
Turbine Unit Priority	0	per FPP											

Operations

East & North fish ladders in full operation. Ice Trash sluiceway open with 6 gates Spillway closed

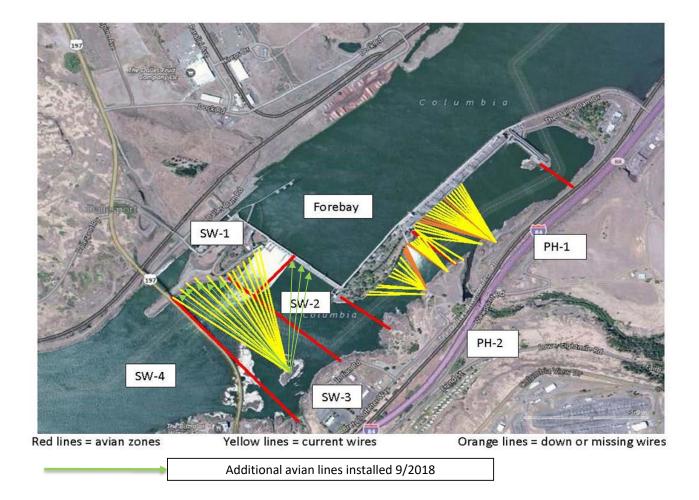
Current Outages

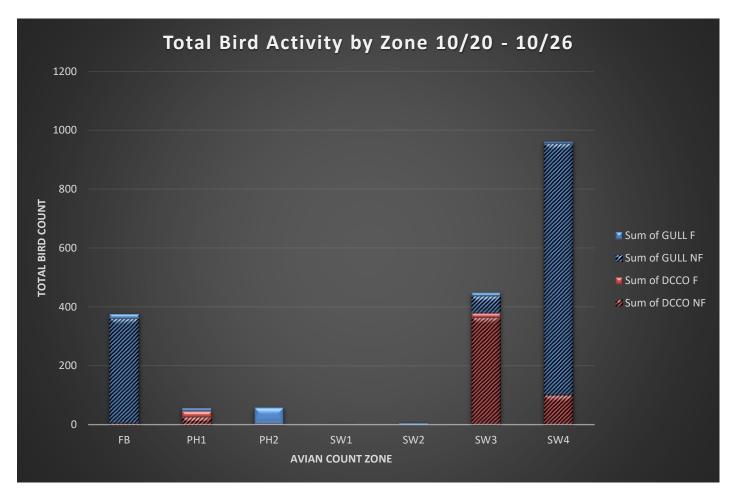
T10 (MU19 & 20) FOOS through 10/28/2021 due to acetylene levels T5 0630 9/3/2019 - 11/25/2019 for T5 GSU Replacement & MU9 O/H MU10 OOS 9/3/2019 - 11/25/2019 for Annual MU1 and MU2 restricted to 160 MW combined through 5/28/2020 MU13 OOS 0600 9/23/2019 - 1700 7/22/2020 for Hydraulic Oil System Repairs

Maintenance

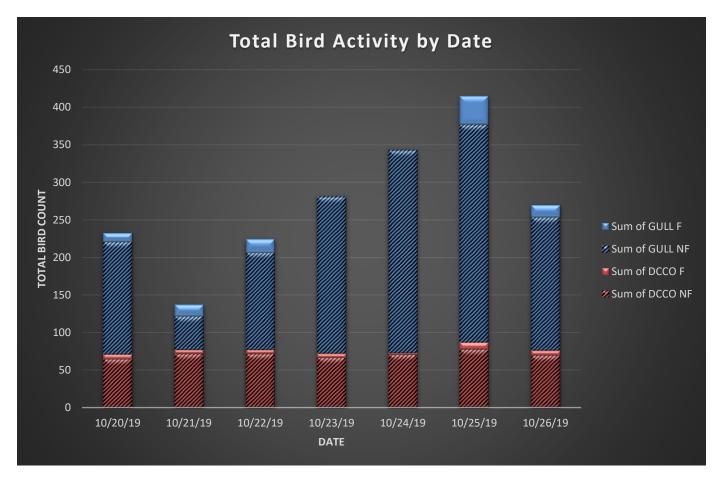
Calibration check 10/21: West entrance TW OOC; entrance weirs E1, W1, S2 OOC. Maintenance notified. Collection channel dewatering pumps 5 and 6 rehab ongoing. New pump motor ordered. Completion prior to Dec for dewatering. Fishway automation replacement planning continues. Labor for assembly and sensor install FY20. Engineering evaluation of east fishway diffuser valve status/rehab to resume. Planning in progress to dewater south entrance auxiliary water conduit for failed diffuser valve repair. Planning in progress for improved expansion joint repair on east fishladder. Spillway assessment (MRER); Funding uncertain for FY20. Importance of spillgate 9 fish priority included. Weir 157 secured out of ladder. Manual operation through remainder of the passage season. Forebay soft constraint 159.5' continues. West entrance weir W1 closed due to cable problems. Repair during winter outage. Weir E3 operated in its place providing two wiers at >8' depth Predators Green agrilaser 500 in use to haze piscivorous birds for effectiveness testing. USDA hazing resumes 4/15/20. Cormorant and gull numbers fluctuating daily, with expected fall numbers. Sea Lions not observed from dam year to date. Research/Construction/Contractors HDC removed temperature string from forebay, data analysis underway Four Peaks fish counting continues through October. For fish count data refer to; FPC FISH COUNTS AWS backup - Moving forward with follow on contract items and spare parts. Commissioning last week of Jan. AWS will be operational Feb1. PSMFC weekly PUD sampling done for season. To resume next April. PITAGS north and east fishladder data collection at count stations continues. Dam angling 2019 total 2228 pikeminnow, 98 smallmouth bass and 6 walleye caught. Bass/Walleye catch and release continues. ODFW monthly fishway inspections completed for season. Lamprey minor mods - No work planned at this time. U of I - Second season of lamprey passage night flow testing completed. Awaiting report. Lamprey trapping at east count station - Concluded 9/13 with 603 lamprey translocated. Fish unit breaker replace.- Planning third season work Dec1-Mid Jan. Multiple measures taken to avoid last years unacceptable schedule slip. Fish unit rehab - Ongoing for phase 1A. Planning operation scenario during construction. Approved by: Mike Colesar

Operation Project Manager The Dalles Dam



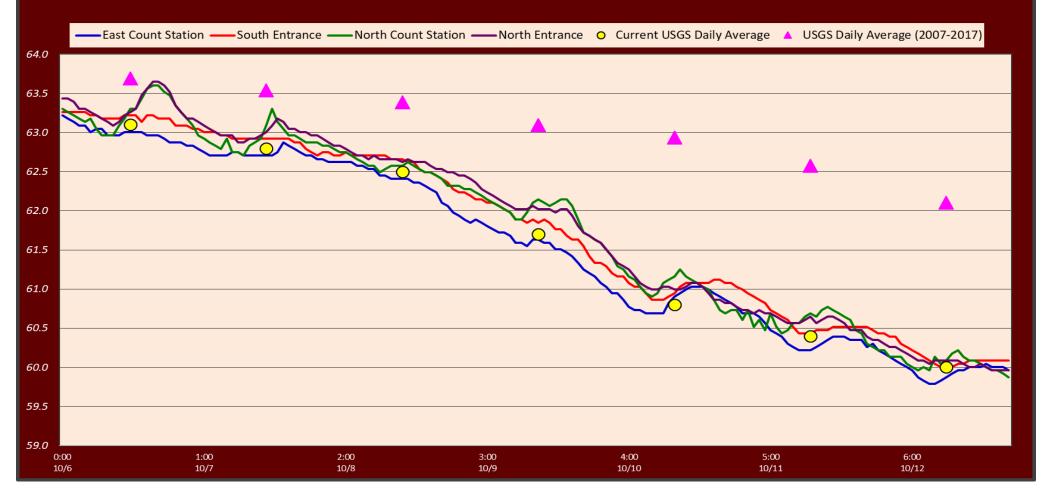


Most birds were observed in SW4; of those, non-foraging (NF) gulls were seen in the highest numbers.



Roughly equal numbers of double-crested cormorants (DCCO) observed daily; gull numbers fluctuate.

Ladder(s) - River Temperatures



Secch: Terperature 5.0 Sun GT/S 102 5.0 Sun 573 102 5.0 Tue 573 102 5.0 Tue 573 102 5.0 Tue 573 102 5.0 Thue 573 102 5.0 Thue 571 102 5.0 Fin 570 102 5.0 Sat 567 5.0 Sat 567 5.0 AVG 572 1020 So Sat 567 5.0 AVG 572 5.0 AVG 116 11.6 11.6 113 9.5					USGS:	0.4											
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Fishways are inspected twice daily plus one SCADA inspection.