The [Dalles Dam	THE DALLES DAM								
		H-H	The Dall P.O. Box	es Project-Fisheries						
		US Army Corps		es, OR 97058-9998						
In	spection Perio	of Engineers Portland District		541-506-3800						
		Critorio	To (al Number of Inc.		04 Tompo					
The Dalles Dam	Inspections OOC	Criteria Limit	Total Number of Insp Comments: Repair	to Weir 158 motor/bra	21 Tempe ke. Secchi:	rature: 3.6	60.2 °F feet			
						0.0				
Evit differential										
Exit differential Count station differential	0	≤ 0.5' ≤ 0.3'								
Weir crest depth	0	≤ 0.3 1.0' ± 0.1'								
Entrance differential	0	1.0' - 2.0'	1.4							
Entrance weir N1	0	depth (≥ 8')	10.0							
Entrance weir N2	0	Closed	10.0							
PUD Intake differential	0	≤ 0.5'								
		_ 010	EAST FIS							
			EAST FIS							
Exit differential	0	≤ 0.5'								
Removable weirs 154-157	0	Per forebay								
Weir 158-159 differential	0		Motor and brake repai	ired.						
Count station differential	0	≤ 0.3'								
153 Weir crest depth	1		1.3' criteria to allow sh	nad passage; 1x too low	/					
Junction pool weir JP6	0	0.0								
East entrance differential	0	1.0' - 2.0'								
Entrance weir E1	0	No criteria								
Entrance weir E2	0	depth (≥ 8')								
Entrance weir E3	0	depth (≥ 8')								
Collection channel velocity	0		2.24 fps on 6/8; range 1.79 fps at MU19, to 2.46 fps at MU17							
Transportation channel velocity	0		2.39 fps on 6/8.							
North channel velocity	0		2.23 fps on 6/3.							
South channel velocity	0		2.98 fps on 6/8.							
West entrance differential	0	1.0' - 2.0'								
Entrance weir W1	0	depth (≥ 8')								
Entrance weir W2	0	depth (≥ 8')								
Entrance weir W3	closed	No criteria								
South entrance differential	0	1.0' - 2.0'								
Entrance weir S1	0	depth (≥ 8')								
Entrance weir S2	0	depth (≥ 8')								
			JUVENILE F	PASSAGE						
Sluicegate operation	0	Units 1, 8, 18;								
Turbine trashrack drawdown	0	<1.5', biwkly	Gatewells inspection 5	5/16/19.						
Spill volume/pattern	0	None	Gates 1 through 8 open to flex spill pattern.							
Turbine Unit Priority	21	per FPP	MU 5 and 6 OOS for maintenance							
Turbine 1% Efficiency	0	per FPP								

OTHER ISSUES:

Operation:

East & North fish ladders in full operation. Sluiceway open with 6 gates Spillway open for juvenile passage. **Inspection Period: May 26 - June 01, 2019** MU5 FOOS bladeseals and T3 GSU transformer replacement and Overhaul. RTS 8/29/19 MU6 OOS T3 GSU transformer replacement. RTS 8/29/19 T10(MU19 & 20) FOOS through 10/28/21 due to acetylene levels

Maintenance:

East count station window/crowder brush repaired and functioning. Looking into improvements for long term reliability. Calibration check 6/3: Still working on inaccuracy issue with east entrance tailwater reading. Collection channel dewatering pumps 5 and 6 rehab in progress. Fishway automation parts purchase ongoing. Labor for assembly and install FY20. Engineering evaluation of east fishway diffuser valve status to resume. Spillway assessment in progress. Spillway crane replace and spillgate 9 repair included. Prioiritizing gates 1-9 as first for rehab.

Predators;

USDA hazing from boat and shore. Increase in gull numbers in powerhouse tailrace and within spillway avian lines. Also some activity in powerhouse tailrace. Cormorant nesting on forebay towers increasing from previous years. Evaluating if results in increased near dam foraging. No sea lion sightings from dam reported this week. Last sighting was in zone SW3 on 5/9.

Research/Construction/Contractors:

Fish counting contractors (Four Peaks) on site and counting.

For fish count data and ladder passage splits, refer to; http://www.fpc.org/adults/adult_queries/Q_adultcoequeries_adultrunsum_queryv2.php

AWS backup - All deficiencies corrected by contractor. Compiling list for follow on contract items and spare parts.

Transformer replacement - T3 ongoing. Testing after august completion. Date to be determined

PSMFC weekly sampling for North Wasco County PUD continues. Refer to PCMFC weekly sample report.

PITAGS north and east fishladder data collection at count stations continues.

Pikeminnow dam angling - 14 Pikeminnow week of June2. Total 98 YTD. **Bass/Walleye release continues, unlike dam angling conducted at PUD projects.** ODFW monthly fishway inspections ongoing.

Lamprey minor mods - Planning for potential LPS in junction pool.

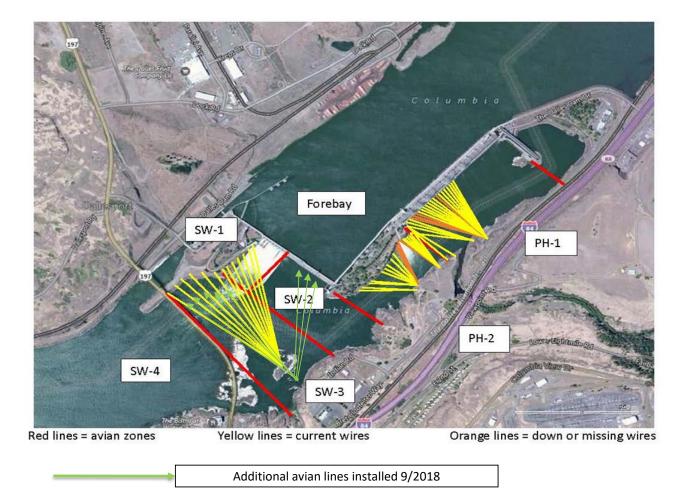
Univ of Idaho lamprey radiotelemetry - Second season of lamprey passage night flow started 6/4. Total of 18 nights of adjuttment planned.

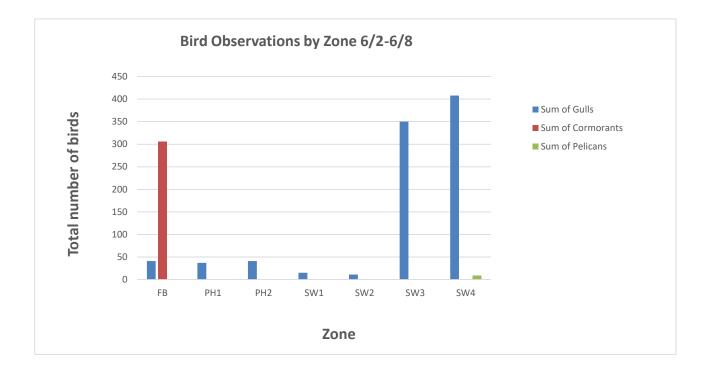
Tribal lamprey trapping - New improved hoist system hoist system installed, thanks to ingenuity of project engineer. Test lifts were successful.

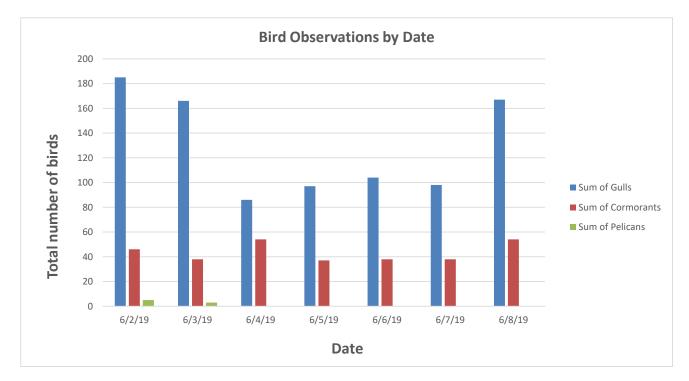
Fish unit breaker replace.- Fish units returned to service. Substantial cleanup likely next winter. Awaiting schedule from contractor.

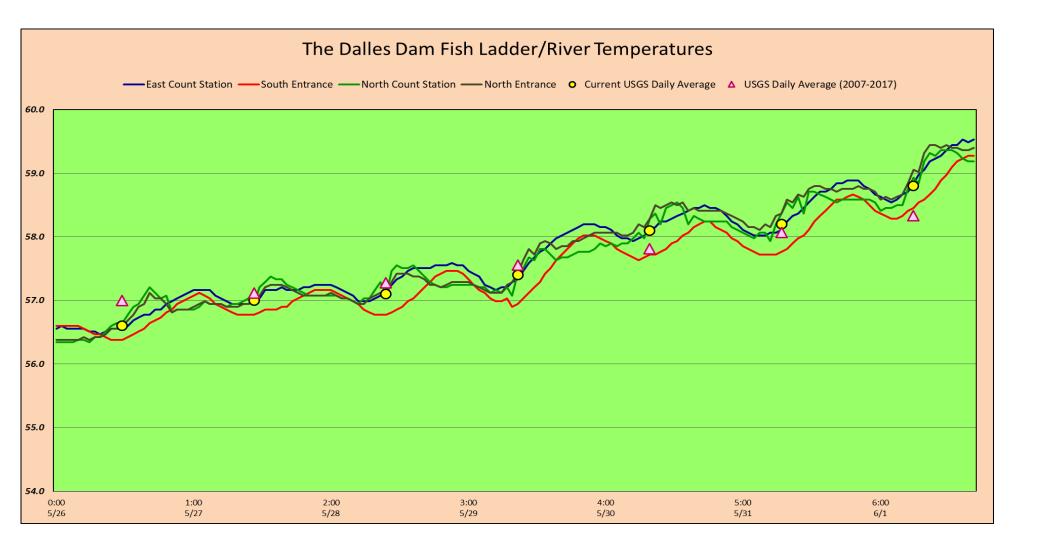
Fish unit rehab - Ongoing for phase 1A.

Approved by: Mike Colesar acting for Ron Twiner Operation Project Manager The Dalles Dam











				USGS:										
		Secchi:		Temperatures	June									
	6/2	3.0	Sun	59.3	ľ									
	6/3	3.5	Mon	59.9			The D	alles Dam Dail	v Reading	s and Avera	nes for			
	6/4	3.5	Tue	60.4			inc D		y neading		ges for			CADA INSPECTIO
	6/5	3.5	Wed	60.6			Те	mperatures, S	ecchi. Ent	rances, and	Spill			Out of criteria
	6/6	4.0	Thurs	60.5				poi a a a o o, o			-p		Lamprey	passage mod
	6/7	4.0	Fri	60.4										
	6/8	3.5	Sat	60.5										
		3.6	AVG	60.2										
	North Lodd	on Entronoc						East La	dder					
Date:	North Ladder Entrance		East Entrance- open				West Entrance				South Entrance			
	Differential	N1 Depth	Differential	E1 Depth	E2 Depth	E3 Depth	JP 6	Differential	W1	W2	W3	Differential	S1	S2
			1.9		13.7	13.7	15.0	1.4	8.9	8.9		1.2	8.9	8.9
6/2	1.4	9.9	1.9		13.8	13.8	15.7	1.4	9.1	9.1		1.4	8.9	8.9
	1.4	9.9	1.8		13.8	13.8	15.4	1.4	9.0	9.0		1.3	8.9	8.9
			1.7		13.8	13.8	15.8	1.3	9.1	9.1		1.2	9.0	9.0
6/3	1.3	10.0	1.8		13.8	13.8	15.4	1.4	9.0	9.0		1.3	8.9	8.9
	1.4	10.0	1.8		13.9	13.9	16.1	1.4	8.6	8.6		1.4	11.0	11.0
			1.5		13.5	13.5	14.8	0.8	10.8	10.8		0.8	10.5	10.5
6/4	1.4	10.0	1.8		13.5	13.5	15.7	1.4	8.4	8.4		1.4	8.5	8.5
	1.3	10.0	1.4		13.6	13.6	16.4	1.4	8.6	8.6		1.4	8.6	8.6
			1.3		13.4	13.4	14.8	1.4	8.5	8.5		1.3	8.5	8.5
6/5	1.4	9.9	1.4		13.5	13.5	14.9	1.0	8.6	8.6		1.3	8.6	8.5
	1.4	10.0	1.5		13.5	13.5	15.1	1.5	8.5	8.5		1.3	8.6	8.6
0/0	1.2	10.1	1.4		13.6	13.6	15.5	1.6	8.5	8.5		1.2	9.2	9.2
6/6	1.3	10.1	1.6		13.5	13.5	15.7	1.5	8.5	8.5		1.4	8.9	8.9
	1.4	10.0	1.5		13.6	13.6	15.8	1.5	8.5	8.5		1.4	9.1	9.1
6/7	1.4	10.0	1.5		13.6	13.5	15	1.6	8.5	8.5		1.5	8.9	8.9
6/7	1.4	10.0	1.5		13.4	13.5	14.9	1.5	8.4	8.4		1.5	8.9	8.9
	1.3	10.0	1.5		13.2	13.2	13.6	1.4	8.5	8.5		1.4	8.9	8.9
C/0	1.2	10.1	1.3		13.2	13.2	13	1.3	8.4	8.4		1.4	8.9	8.9
6/8	1.3	10.1	1.4		13.3	13.4	13.7	1.4	8.6	8.6		1.4	9.1	9.1
AVG:	1.3 1.4	10.0	1.4 1.6		13.4	13.4	13.8	1.4 1.4	8.6	8.6 8.7		1.4	9.0	9.1
4/(5'	1.4	10.0	1.6		13.6	13.6	15.1	1.4	8.7	8.7		1.3	9.0	9.0



Hoist frame at east fishway exit for tribal lamprey trapping to lift to forebay deck