

FISHWAY STATUS REPORT

Date: 02/17/13
 Inspection Period: 02/10-02/16/2013

THE DALLES DAM



**US Army Corps
 of Engineers**
 Portland District

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

Fishways are inspected once daily.

The Dalles Dam	Inspections	Criteria	Total Number of Inspections:	5	Temperature:	40.0	F
	Out of Criteria	Limit	Comments		Secchi:	5.0	Ft.
NORTH FISHWAY			Fishladder dewatered on Feb 4				
Exit differential							
Count station differential							
Weir crest depth							
Entrance differential							
Entrance weir N1							
Entrance weir N2							
PUD Intake differential							
EAST FISHWAY			East Fishway was dewatered for annual maintenance and returned to service Feb 12				
Exit differential	0	≤ 0.5'					
Removable weirs 154-157	0	Per forebay					
Weir 158-159 differential	0	1.0' ± 0.1'					
Count station differential	0	≤ 0.3'					
Weir crest depth	0	1.0' ± 0.1'					
Junction pool weir JP6	0	depth (≥ 7')	AVG	9			
East entrance differential	0	1.0' - 2.0'	AVG	1.6			
Entrance weir E1	0	No criteria	AVG	4.9			
Entrance weir E2	0	depth (≥ 8')	AVG	8.9			
Entrance weir E3	0	depth (≥ 8')	AVG	9.1			
Collection channel velocity	0	1.5 - 4 fps					
Transportation channel velocity	0	1.5 - 4 fps					
North channel velocity		1.5 - 4 fps	North ladder is out of service.				
South channel velocity	0	1.5 - 4 fps					
West entrance differential	2	1.0' - 2.0'	AVG	1.2	West entrance OOC at 0.8 investigating the cause		
Entrance weir W1		Closed	Bulkhead installed due to seized wheel on weir				
Entrance weir W2	0	depth (≥ 8')	AVG	8.2			
Entrance weir W3	0	depth (≥ 8')	AVG	8.2			
South entrance differential	0	1.0' - 2.0'	AVG	1.3			
Entrance weir S1	0	depth (≥ 8')	AVG	8.4			
Entrance weir S2	0	depth (≥ 8')	AVG	8.4			
JUVENILE PASSAGE							
Sluiceway operation		units 1,8,18					
Turbine trashrack drawdown		<1.5', wkly					
Spill volume		40%, 24hr					
Spill Pattern		per FPP					
Turbine Unit Priority		per FPP					
Turbine 1% Efficiency		per FPP					

OTHER ISSUES:

THE DALLES

Birds/Sea Lions:

Fisheries personnel conducts bird observations once per day. See Avian tab for more observation results.
Second year of the Bald Eagle study underway to determine if any negative impact with avian lines. Eagle numbers dropping from last week.

Operations:

The north ladder is out of service. Annual maintenance and brush cutting continues. The east ladder returned to service with both fish units Feb 12.

Ice/Trash Sluiceway out of service, end gate closed, and sluice gates 1-1, 18-3 open. Return to 4 sluiceway and endgate open Mar 1.

Maintenance:

Fish unit F1 has small digital governor oil leak. May require short outage to repair.

Current Outages:

Main Unit 15, Main Unit 16, and Transformer 8 forced out of service due to transformer oil issues; returned to service ~Jun 6.

North ladder out of service and will be returned to service postponed to Mar 11.

Main Unit 3 out of service Jan 28 to Mar 7 for digital governor install and annual maintenance.

Main Unit 2 out of service Feb 11 to Mar 28 for digital governor install and annual maintenance.

Four unit rolling outage from unit 2 to unit 22 for derelict fish research and hydrophone removal Feb 11-15.

Studies:

PIT antenna installation by PSMFC ongoing. Project maintenance crew completed all east and north conduit installations.

Permanent PIT study underway. DDR kickoff meeting next week.

East Fish Ladder backup study DDR continues through NWW Product Development Team. Site visit completed Feb 6.

PUD freedom turbine planning underway. District PM assigned. Kickoff meeting completed Feb 7.

Research/Contractors:

Army dive completed Feb 11-15 for removal of derelict antennas from sluiceway channel/powerhouse piers and hydroacoustic transducers.

All 22 hydroacoustic transducers removed. All 10 sluiceway derelict gear removed. Three pier derelict gear removed, 15 remaining for next year.

USGS diver removed derelict gear will be removed from deck week of Mar 4.

Project maintenance will remove 45' I-beams at Main Unit 1, 5, and 19 forebay pier noses Date to be determined.

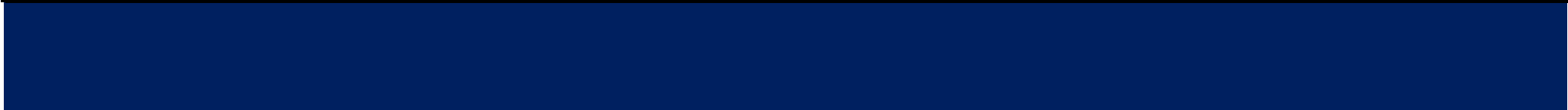
The University of Idaho's adult radio telemetry planning for new antennae placement throughout both fish ladders is underway.

Normandaeu cameras inside count stations currently on and recording.

Approved by;
Ron D. Twiner
Operation Project Manager
The Dalles Dam

The Dalles Dam Video Fish Counts

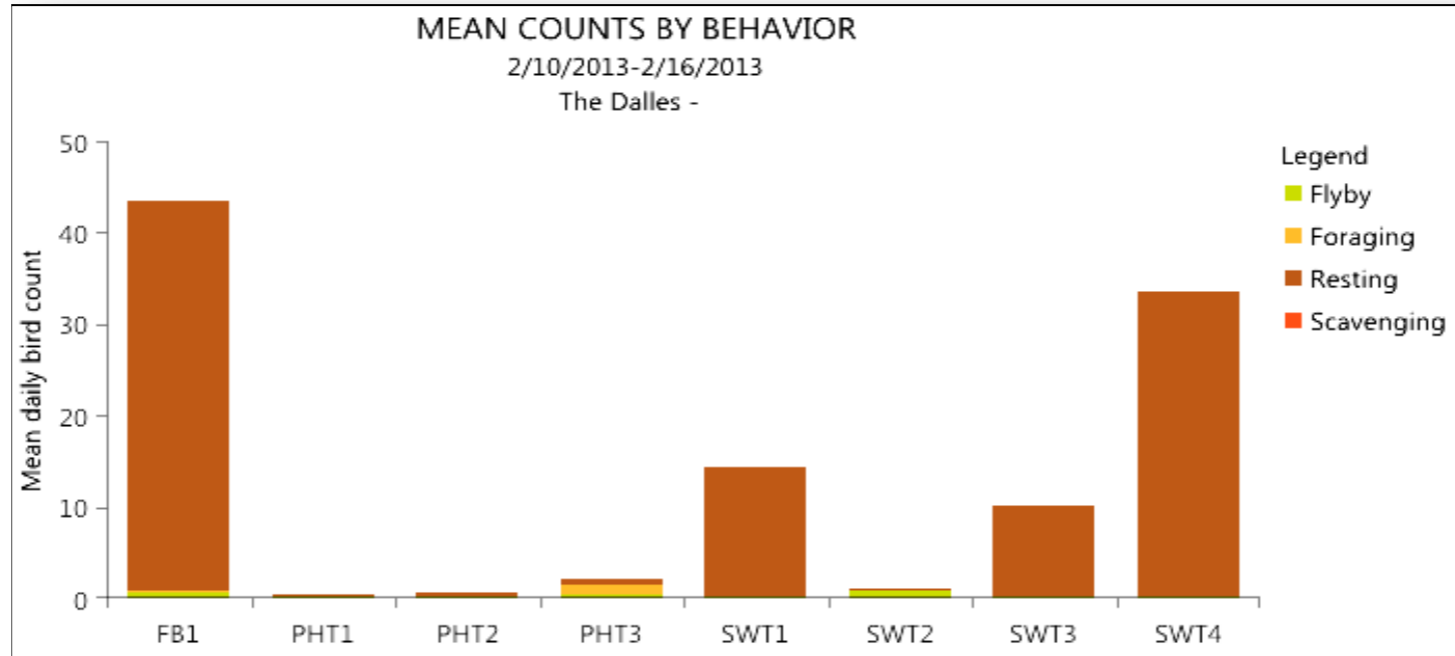
Date									Spill
	Chinook-Adult	Jack Chinook	Sthd-Total	Sthd-Unclipped	Sock	Coho	Coho Jack	Lamprey	Volume
10-Feb	No Fish Counts Available Due to Adult Ladder Winter Maintenance								o n s e a l
11-Feb									
12-Feb									
13-Feb									
14-Feb									
15-Feb									
16-Feb									
Wkly Tot	0	0	0	0	0	0	0	0	



Temp:		Secchi:	
39.2	SUN	5.0	
39.4	MON	5.0	
40.2	TUES	5.0	
40.4	WED	5.0	
40.2	THUR	5.0	
40.2	FRI	5.0	
40.1	SAT	5.0	
AVG: 40.0	AVG:	5.0	

The Dalles Dam Daily Readings and Averages for
Temperatures, Secchi, Entrances, and Spill

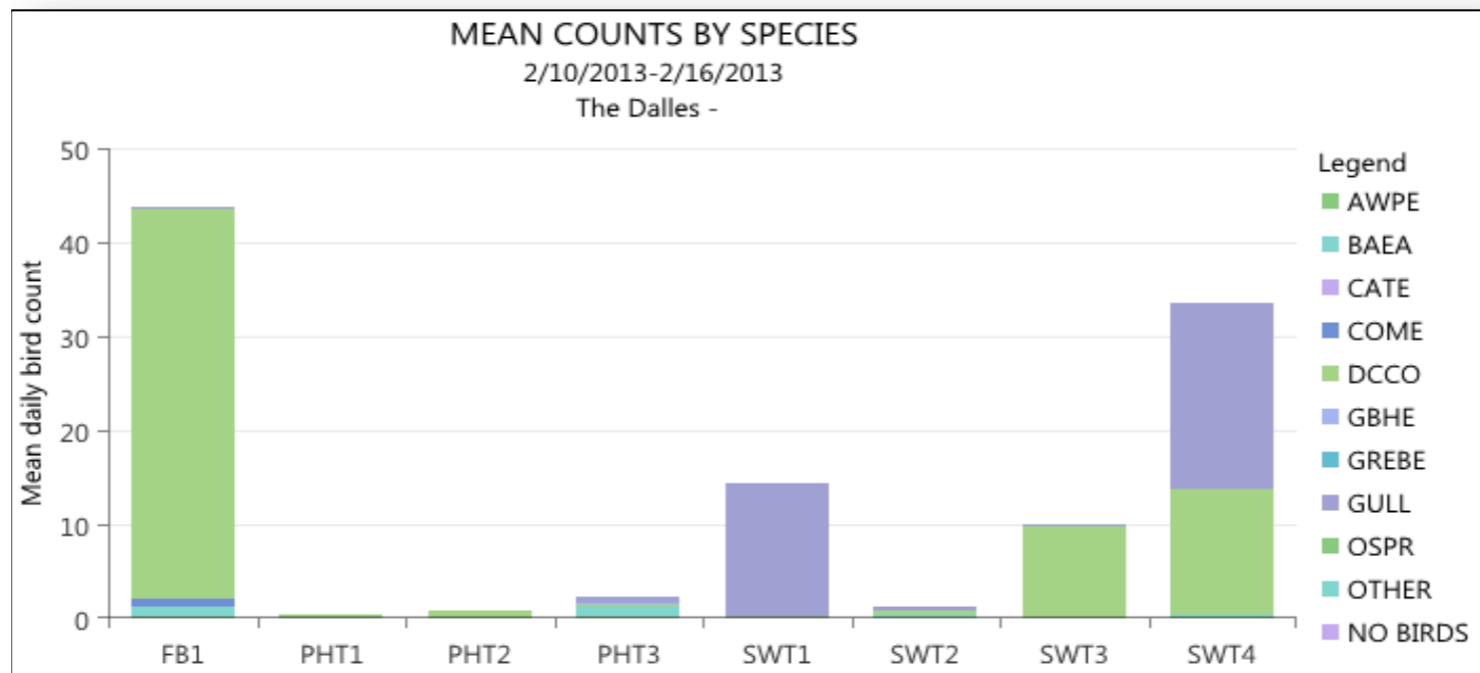
Date:	North Fish Ladder		East Fish Ladder											% Spill	
	North Entrance		East Entrance					West Entrance			South Entrance				
	Differential	N1 Depth	Differential	E1Depth	E2 Depth	E3 Depth	JP 6	Differential	W1Depth	W2 Depth	W3 Depth	Differential	S1 Depth	S2 Depth	
2/10/13	Both ladders OOS														
2/11/13															
2/12/13															
2/13/13															
2/14/13			1.9	3.5	8.4	8.5	9.5	1.9		8.4	8.5	1.0	9.1	9.1	
2/15/13			1.6	5.3	9.4	9.5	9.2	0.8		8.2	8.0	1.5	8.1	8.1	
2/16/13			1.4	5.8	9.0	9.2	8.1	0.8		8.1	8.1	1.5	8.0	8.1	
AVG:			1.6	4.9	8.9	9.1	8.9	1.2	closed	8.2	8.2	1.3	8.4	8.4	



American White Pelican - (AWPE); Bald Eagle - (BAEA); Caspian Tern - (CATE); Common Merganser - (COME)

Double Crested Cormorant - (DCCO); Great Blue Heron - (GBHE); Grebe - (GREBE);

Gull - all species (GULL); Osprey (Ospr)



The Dalles Dam Maximum Daily Bird Observations

Washington Shore

FB1

PH-T1

PH-T2

SW-T1

PH-T3

SW-T2

SW-T3

SW-T4

Oregon Shore

