FISHWAY STATUS REPORT

Date: 1/6/2013

Inspection Period: 12/30/2012 - 1/5/2013

THE DALLES DAM



The Dalles Project-Fisheries

P.O. Box 564

Fish ways are inspected twice d	aily. Additional d	laily monitoring	ng done via automation system in fisheries office.									
The Dalles Dam	Inspections	Criteria	Total Number of Inspections: 7 Temperature: 41.8 F									
	Out of Criteria	Limit	Comments Secchi: 5.0 Ft.									
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 1.3 Daily differentials & weir depths, see AVGS tab.									
Entrance weir N1	0	depth (≥ 8')										
Entrance weir N2		Closed	Bulkhead installed									
PUD Intake differential	0	≤ 0.5′										
		East Fishway										
Exit differential												
Removable weirs 154-157												
Weir 158-159 differential												
Count station differential												
Weir crest depth												
Junction pool weir JP6												
East entrance differential			East Adult Fish Ladder Dewatered 12-03-12									
Entrance weir E1												
Entrance weir E2												
Entrance weir E3												
Collection channel velocity			For Annual inspection and maintenance									
Transportation channel velocity												
North channel velocity												
South channel velocity												
West entrance differential		F:	ast Adult Fish Ladder scheduled RTS 01-17-13									
Entrance weir W1			dot Madre 1511 Educer Scheduled 1(15 of 17 15									
Entrance weir W2												
Entrance weir W3												
South entrance differential												
Entrance weir S1												
Entrance weir S2												
JUVENILE I	PASSAGE		Season Resumes 03-01-2013									
Sluicegate operation			B End Gate Closed									
Turbine trashrack drawdown		<1.5', wkly										
Spill volume			No Spill - All Spill gates on seal.									
Spill Pattern		per FPP										
Turbine Unit Priority		per FPP	On seal.									
Turbine 1% Efficiency		per FPP										

OTHER ISSUES:

THE DALLES

Birds/Sea lions:

Fisheries personnel conducting bird observations once per day.

Normal numbers of increased fall bird activity around project for juvenile shad outmigration. Refer to "Avian Distribution" tab for species, location, and numbers. Eagle observations started Dec 15 as second of 2 year study to determine eagle interactions with avian lines. This is a collaborative effort between project fisheries and Fish Field Unit. Final results will help determine future management of avian lines. Numerous eagles observed to date.

Operations:

The Dalles North Ladder in service and conforming to fish passage criteria. The Dalles East ladder out of service for annual maintenance; return service 1/22/2013. The Ice/Trash Sluiceway out of service, end gate closed, and sluice gates 1-1, 18-3 open.

Maintenance:

East fishway maintenance continues: PM count station, repair expansion joint on road deck, install heron lines over ladder, FSQ electrical upgrade. Fish units out of service; F1 out through Jan 31 overhaul and digital governor install, F2 out though Jan 17 for annual. Possible extension needed to repair nitrogen lines. More to come.

East entrance weir E2 damaged wheels repaired and weir installed. Similar problem found with W1 weir, which is now removed for repair.

Same repair will be planned for the remaining 4 powerhouse weirs next winter.

Several brittle attachment studs found in west diffuser grating install. Questionable attachments will be welded directly to support beam. Long term plan underway for better repair next winter.

Several seized weir lifting beam wheels and weir wheels found. Engineering investigating repair.

New outage date for north fish ladder. Moved from Jan 28 to Feb 4.

Current Outages:

Main Unit 15, 16, and Transformer 8 forced out of service due to high levels of combustible gas in the transformer oil. Return to service ~6/6/2013. Fish Unit 2 out of service 12/3/2012 to 1/21/2013.

Fish Unit 1 out of service 12/3/2012 1/31/2013 for overhaul and digital governor installation. East Fish Ladder out of service 12/3/2012 to 1/17/2013.

Studies:

PSMFC, Biomark, ACE-IT scheduled site visit 1/8/2013 and 1/9/2013 for best site and cable connect for thin walled PIT Tag antennae coming this winter. Planning with project staff underway for some equipment install. Old fishlock operation stand considered for east PIT equipment.

Research/Contractors:

Army Dive scheduled 1/11/2013 to 1/15/2015 for removal of derelict USGS antennas and cables from sluiceway; hydroacoustic transducers at all 22 Main Units; a PNNL hydrophone on pier of Main Unit 1 or Main Unit 2, and; 45' I-beams at Main Unit 1, 5, and 19. The transducers are located a depth of ~ 85' (~73' elevation). Divers will access by boat.

Approved by;

Ron D. Twiner

Operation Project Manager

The Dalles Dam

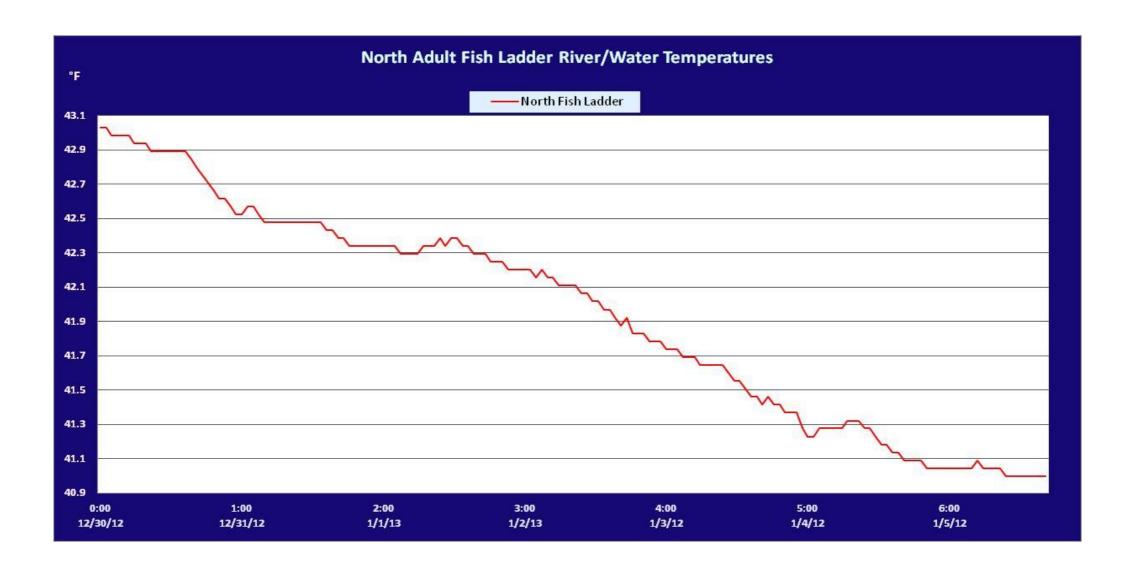
Temp:		Secchi:		
42.7	SUN	5.0		
42.4	MON	5.0		
42.2	TUES	5.0		
42.0	WED	5.0		
41.5	THUR	5.0		
41.2	FRI	5.0		
40.9	SAT	5.0		
41.8	AVG:	5.0		

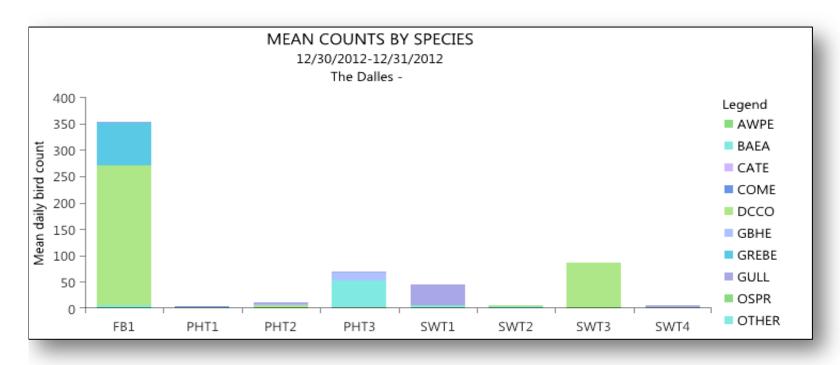
AVG:

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

	North Fis	sh Ladder	East Fish Ladder												
	North E	ntrance	East Entrance West Entrance South Entrance								e				
Date:	Differential	N1 Depth	Differential	E1Depth	E2 Depth	E3 Depth	JP 6	Differential	W1Depth	W2 Depth	W3 Depth	Differential	S1 Depth	S2 Depth	% Spill
12/30/12	1.4	9.0													
			ļ												
12/31/12	1.3	9.1													
			ļ												
	1.0		ļ												
1/1/13	1.3	9.1													
		<u> </u>													
1/2/12	1.4	9.0	1												
1/2/13	1.4	9.0	1												
1/3/13	1.4	9.3	Ì												
1/0/10	1	0.0	t												
1/4/13	1.4	9.1	Ì												
			İ												
			Ì												
1/5/13	1.1	9.2													
AVG:	1.3	9.1													
	Third fish way inspection for east fish ladder, east, west, and south entrances completed via automation system in fisheries office.														

The Dalles Dam Video Fish Counts - North side only											
Date	North	North	North	North	North	North	North	North	Spill		
Date	Chinook-Adult	pok-Adult Jack Chinook Sthd-Total Sthd-Unclipped Sock Coho Coho Jack Lamprey									
30-Dec											
31-Dec											
1-Jan											
2-Jan	No Fish counts available										
3-Jan											
4-Jan											
5-Jan											
Wkly Tot	0	0	0	0	0	0	0	0			

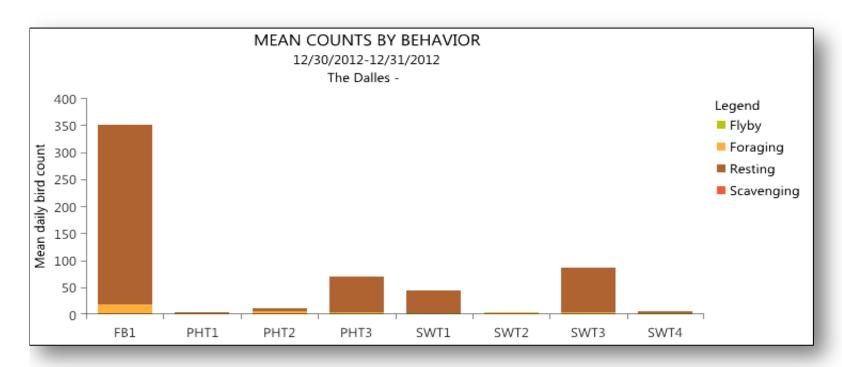




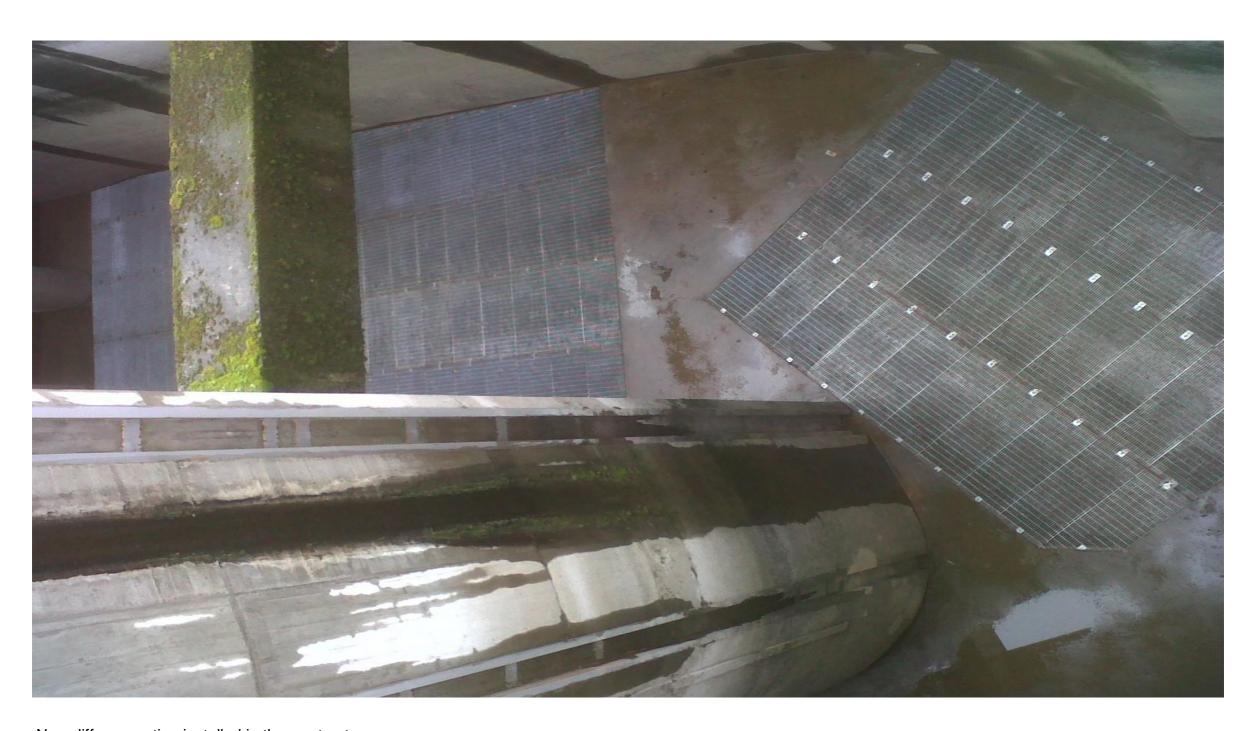
American White Pelican - (AWPE); Bald Eagle - (BAEA); Caspiran Tern - (CATE); Common Merganser - (COME)

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

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







New diffuser grating installed in the west entrance.