

FISHWAY STATUS REPORT

Date: 5/2/2015
Inspection Period: 4/26 thru 5/02/2015

All JD Fishways are inspected twice per day during fish season, Mar. 1 - Nov. 30
 Frequent monitoring of the PLC displays in SMF Fisheries Office as necessary.



JOHN DAY DAM

JD/WC Project-Fisheries
 P.O. Box 823
 Rufus, Oregon 97050
 Phone: 541-506-7860

John Day Dam	Inspections	Criteria	Total Number of Inspections: 14	Temperature: 51 F
	Out of Criteria	Limit		Secchi: 6.0 Ft.
NORTH FISHWAY			5 out of 6 AWS pumps available since 12/23/14	
Exit differential	0	≤ 0.5'		
Exit Control weirs	0	High setting	High setting is normal for JDN	
Count station differential	0	≤ 0.3'		
Weir crest depth (DS gauge)	0	1.0' ± 0.1'		
Entrance differential	0	1.0' - 2.0'	AVG 1.5	
SOUTH FISHWAY			3 AWS Turbines in regular service since 2/28/15	
Exit differential	0	≤ 0.5'		
Exit Control weirs	0	Mid Setting	Mid setting is normal for JDS	
Count station differential	0	≤ 0.3'		
Weir crest depth (US gauge)	0	1.0' ± 0.1'		
South entrance differential	0	1.0' - 2.0'	AVG 1.5	
Entrance weir SE1	0	depth (≥ 8')	AVG 8.7	
Collection channel velocity	0	1.5 - 4 fps	AVG 3.37	
N. Entrance PH(Bay 19)differential	0	1.0' - 2.0'	AVG 1.7	
Entrance weir NE1	0	depth (≥ 8')	AVG 9.0	
Entrance weir NE2	0	depth (≥ 8')	AVG 8.9	
JUVENILE PASSAGE			In regular service with all necessary STSs since 3/23	
Forebay/bypass conduit differential	0	4.0' - 5.0'	AVG 4.6	
Submersible traveling screens	0	visual inspect	Monthly STS underwater camera inspection completed by 4/23 as scheduled	
Turbine trashrack drawdown	0	<1.5', wkly	Monthly trashrack raking completed for week 4/27	
Vert barrier screen drawdown	0	<1.5', wkly		
Spill volume	0	30/40 %	Fish spill and TSWs started up on 4/10/15 per FOP	
Spill pattern	0	per FPP	Per 2015 FOP	
Turbine Unit Priority	0	per FPP		
Turbine 1% Efficiency	0	per FPP		

SMOLT MONITORING FACILITY

Operation: SMF in sampling mode since 3/31 AM. 24 hrs/ 7 days a week sampling by PSMFC as required by FPP.

JD Fisheries crew continues 24/7 swing shift schedule as required by FPP; it will continue this until the end of sampling season on 9/15.

Maintenance: All devices working well without any issues at this time

Research: N/A

None

Fallbacks: AVG: 24 MAX: 33 MIN: 13

OTHER ISSUES:**JOHN DAY**

BIRDS : see the Avian Numbers tab. We report all species and locations, but in reality only gulls in the tailrace BRZ are relevant at JD.

USADA avian hazing from a boat began 4/16 . Gull presence at JD increasing, but has been very light so far.

Operations:

JD North Fishway in regular service; 5 out of 6 AWS pumps are available. Repair work on pump 4 continues; pump 3 has vibration issues and should be the last in service. JBS in regular service since 3/27.

JD South Fishway in regular service with 3 AWS Turbines; it is meeting the optimal FPP criteria.

Maintenance:

JD North AWS pumps - five out of total six are available. Repair of AWS pump # 4 by a contractor started on 1/26 & is ongoing.

Gateway Drawdown: Gateways were checked 4/26 and 4/29/15; all gateways were in criteria.

Calibration: All sensors were within the criteria of 0.3' .

Research:

2015 Adult Fish Counting by Normandeau Associates commenced on 1 April, 2015.

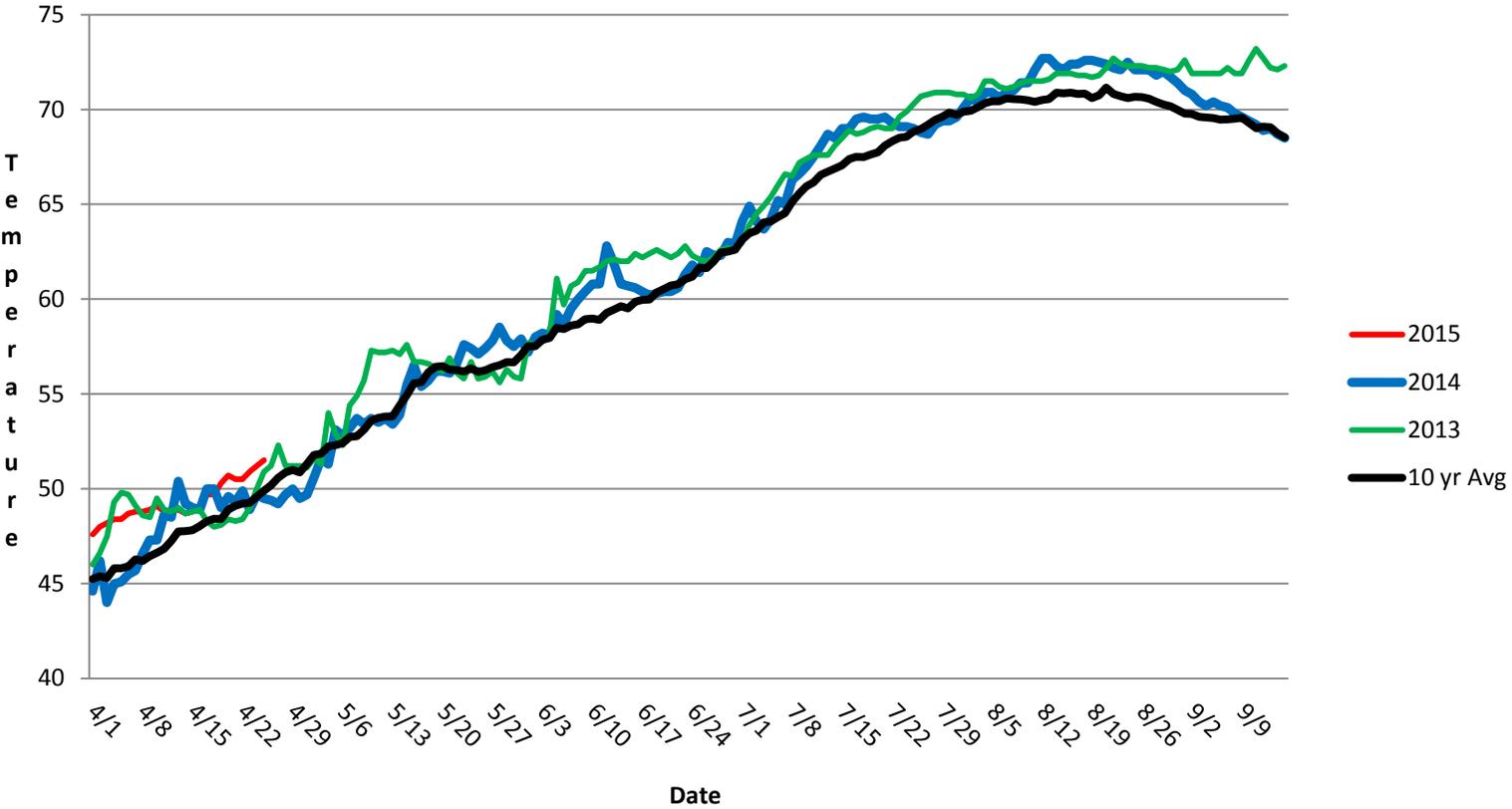
JD North LPS will be activated by FFU crew on Monday, 5/4. Collected lamprey will be released into forebay.

Kevin Moynahan

Date: 6-May-15

OPM John Day/Willow Creek Project

JDA SMF Water Temp



JDA Collection Channel Velocity

Date 21-Apr-15

By: PR/MZ

Bay(s)	Time	Sec.	Velocity (f/s)
0-2	1:21	81	2.22
2 - 4	2:18	138	3.16
4 - 6	3:04	184	3.91
6 - 8	3:58	238	3.33
8 - 10	4:54	294	3.21
10 - 12	5:49	349	3.27
12 - 14	6:49	409	3.00
14 - 16	7:45	465	3.21
16 - 18	8:21	501	5.00
			3.37

JDA Bird Counts: 4/26/15 to 5/2/15
 F(1): Forage 1st survey F(2): Forage 2nd Survey NF(1): Non-Forage 1st Survey NF(2): Non-Forage 2nd Survey

Date	Zone	Gulls				Cormorant				Caspian tern				White Pelican				Grebe				Total
		F(1)	F(2)	NF(1)	NF(2)	F(1)	F(2)	NF(1)	NF(2)	F(1)	F(2)	NF(1)	NF(2)	F(1)	F(2)	NF(1)	NF(2)	F(1)	F(2)	NF(1)	NF(2)	
26-Apr	PHFB	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	10	15	59	44	134
26-Apr	SWFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26-Apr	PH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26-Apr	PH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26-Apr	PH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26-Apr	SW1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26-Apr	SW2	0	0	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
26-Apr	SW3	0	10	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Total		10	23	0	0	0	0	0	0	0	0	0	0	0	25	103	161				161	
27-Apr	PHFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27-Apr	SWFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27-Apr	PH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27-Apr	PH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27-Apr	PH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27-Apr	SW1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27-Apr	SW2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27-Apr	SW3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	
28-Apr	PHFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	7	60	45	121
28-Apr	SWFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28-Apr	PH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28-Apr	PH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28-Apr	PH3	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
28-Apr	SW1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28-Apr	SW2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28-Apr	SW3	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Total		20	11	0	0	0	0	0	0	0	0	0	0	0	16	105	152				152	
29-Apr	PHFB	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	46	97
29-Apr	SWFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29-Apr	PH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29-Apr	PH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29-Apr	PH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29-Apr	SW1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29-Apr	SW2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29-Apr	SW3	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Total		9	1	0	0	0	0	0	0	0	0	0	0	0	0	96	106				106	

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 F(1): Forage 1st survey F(2): Forage 2nd Survey NF(1): Non-Forage 1st Survey NF(2): Non-Forage 2nd Survey

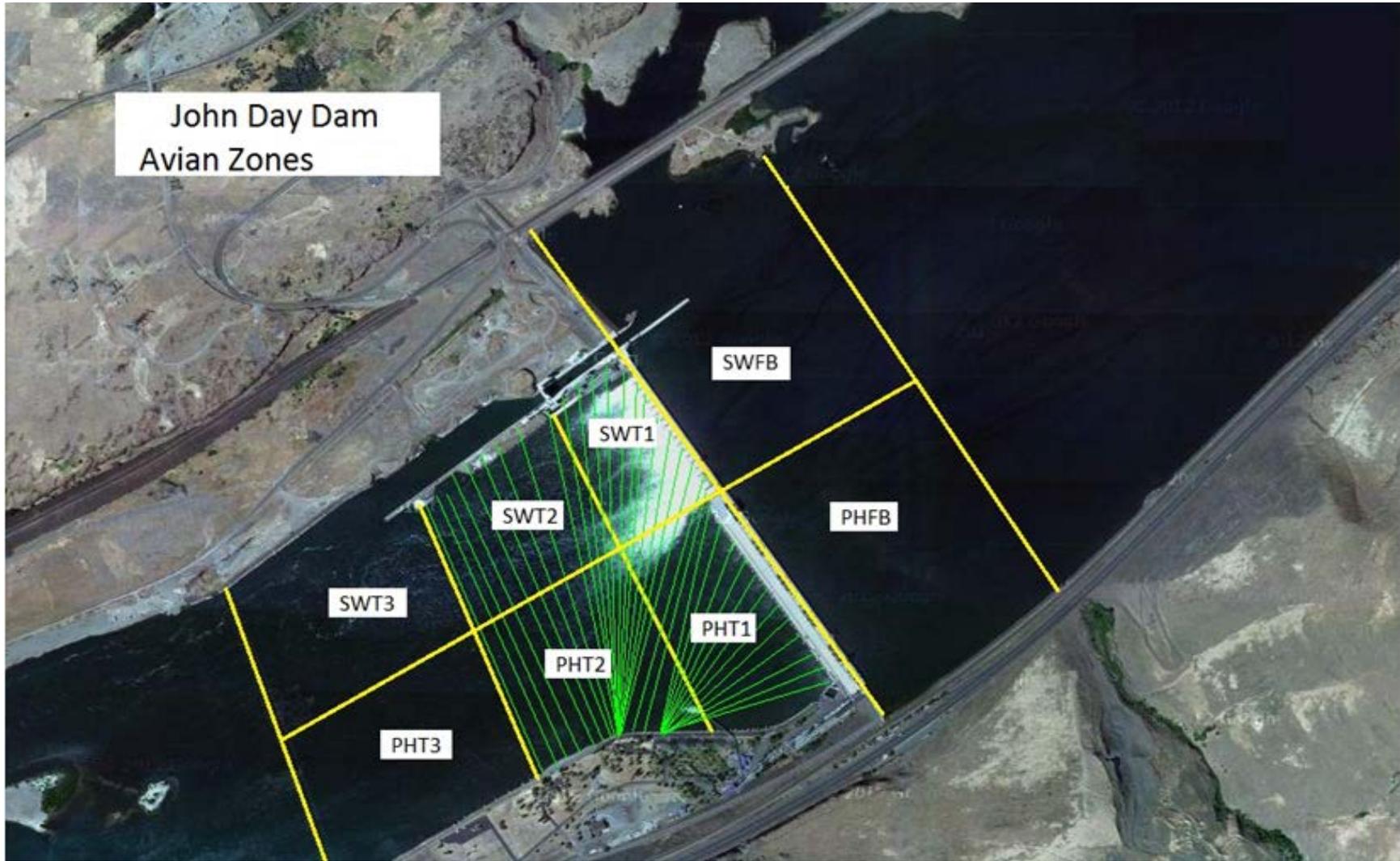
Date	Zone	Gulls				Cormorant				Caspian tern				White Pelican				Grebe				Total
		F(1)	F(2)	NF(1)	NF(2)	F(1)	F(2)	NF(1)	NF(2)	F(1)	F(2)	NF(1)	NF(2)	F(1)	F(2)	NF(1)	NF(2)	F(1)	F(2)	NF(1)	NF(2)	
30-Apr	PHFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	49	101	
30-Apr	SWFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30-Apr	PH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30-Apr	PH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30-Apr	PH3	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	
30-Apr	SW1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30-Apr	SW2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
30-Apr	SW3	2	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	
Total		22		0		0		0		0		0		0		0		0		101	123	

1-May	PHFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	55	103	
1-May	SWFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-May	PH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-May	PH2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1-May	PH3	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
1-May	SW1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-May	SW2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-May	SW3	8	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Total		33		0		0		0		0		0		0		0		0		103	136

2-May	PHFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	57	69
2-May	SWFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-May	PH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-May	PH2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
2-May	PH3	2	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
2-May	SW1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-May	SW2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2-May	SW3	10	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67
Total		91		0		0		0		0		0		0		0		12		57	160

Weekly Total	Gulls				Cormorant				Caspian tern				White Pelican				Grebe				Total
	F	NF	F	NF	F	NF	F	NF	F	NF	F	NF	F	NF	F	NF					
Weekly Total	185	35	0	0	0	0	0	0	0	0	0	0	0	0	53	565	838				

John Day Dam
Avian Zones



John Day Weekly Averages

	Temp:	Secchi:	Fallbacks
Sun	50	6.0	28
Mon	50	6.0	28
Tues	50	6.0	33
Wed	50	6.0	20
Thur	52	6.0	17
Fri	53	6.0	13
Sat	53	6.0	26
AVG:	51	AVG: 6.0	AVG 24
			MAX 33
			MIN 13

	NE1	NE2	S.Ent	SE1	N.Ent	JBS Diff	Bay19
Sun	8.8	8.8	1.5	8.7	1.4	4.5	1.6
Sun	9.2	9.2	1.4	9.1	1.5	4.5	1.6
Mon	8.3	8.3	1.5	8.4	1.5	4.6	1.7
Mon	8.3	8.3	1.6	8.1	1.5	4.6	1.8
Tues	9.4	9.3	1.3	9.3	1.4	4.6	1.5
Tues	8.6	8.5	1.6	8.3	1.6	4.6	1.6
Wed	8.5	8.5	1.6	8.5	1.4	4.6	1.8
Wed	8.6	8.6	1.5	8.6	1.5	4.5	1.7
Thur	8.8	8.7	1.5	8.8	1.5	4.6	1.7
Thur	9.2	9.0	1.5	8.8	1.5	4.6	1.6
Fri	10.0	9.9	1.4	9.4	1.6	4.5	1.6
Fri	8.7	8.6	1.6	8	1.6	4.5	1.7
Sat	9.5	9.4	1.4	9	1.5	4.6	1.6
Sat	10.0	9.9	1.5	8.1	1.5	4.5	1.6
AVG:	9.0	8.9	1.5	8.7	1.5	4.6	1.7