		FISHWA	Y STATU	JS REPORT	- JOHN I	DAY DAM		
Inspected twice per All JD Fishways are inspected twice per Additional and frequent monitoring, o		ish passage se	thru ason, Mar. 1			US Army Corp of Engineers Portland District	JD/WC Project P.O. Box 823 Rufus, Oregon Phone: 541-50	97050
John Day Dam	Inspection OOC	Criteria Limit		Total Number o	f Inspections:	14	Temperature: Secchi:	47.1 F 5.1 Ft.
			N	ORTH FISH	NAY			
Exit differential	0	≤ 0.5'						
Exit Control weirs	0	High setting			•	· ·	• •	•
Count station differential	0	≤ 0.3'						
Entrance differential	0	1.0' - 2.0'	AVG (Ft.)	1.5				
			S	OUTH FISH\	VAY			
Exit differential	0	≤ 0.5'						
Exit Control weirs	0	Mid setting						
Count station differential	0	≤ 0.3'						
Neir crest depth (US gauge)	0	1.0' ± 0.1'						
South entrance differential	0	1.0' - 2.0'	AVG (Ft.)	1.3				
Entrance weir SE1	0	depth (≥ 8')	AVG (Ft.)	8.8				
Collection channel velocity	0	1.5 - 4 fps	AVG (Ft.)	2.55				
N. Entrance PH(Bay 19)differential	0	1.0' - 2.0'	AVG (Ft.)	1.6				
Entrance weir NE1	0	depth (≥ 8')	AVG (Ft.)	9.8				
Entrance weir NE2	0	depth (≥ 8')	AVG (Ft.)	9.7				
			JU	VENILE PAS	SAGE			
Forebay/bypass conduit differential	0	4.0' - 5.0'	AVG (Ft.)	4.6				
Submersible traveling screens	0	visual inspect						
Furbine trashrack drawdown	0	<1.5', wkly						
/ert barrier screen drawdown	0	<1.5', wkly						
Spill volume	0	per FPP	Avg (kcfs)	0.0	Avg %	0.0		
Spill pattern	0	per FPP						
Turbine Unit Priority	0	per FPP						
Furbine 1% Efficiency	0	per FPP						

Fisheries Related Operations

Smolt Monitoring Operations:

Smolt Monitoring Facility started the 2022 sampling season on April 1 for condition monitoring only. From April 1 - June 15 condition sampling will occur 5 days a week (Monday-Friday) from approximately 0700-1300 or until the target of 100 fish of the predominant species has been reached. From June 16 - September 15 condition sampling will occur 3 days a week (Monday, Wednesday, Friday) from approximately 0700-1300 or until the target of 100 fish of the predominant species has been reached. High water temperature protocol goes into effect when water temperatures exceed 70F.

Adult Ladder Operations:

Both ladders are operating within criteria.

Project Operations:

Current outages: MU3, MU4, MU7, MU11.

Spring spill starts April 10 along with the Caspian tern forebaby operation for the Blalock islands.

USDA avian hazing will starting 16 April

Maintenance:

South fish turbine #2 was forced out of service on 30 March with an excessive vibration issue. Pumps 1 & 3 are running.

Calibration:

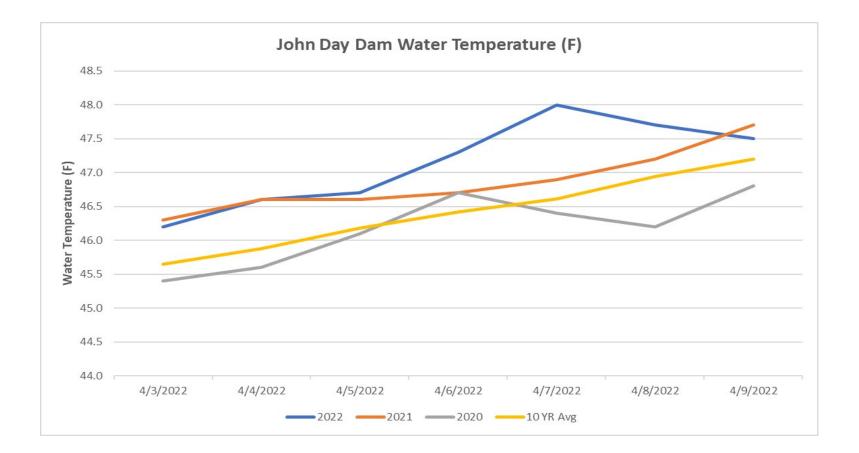
All gauges within the 0.3' criteria.

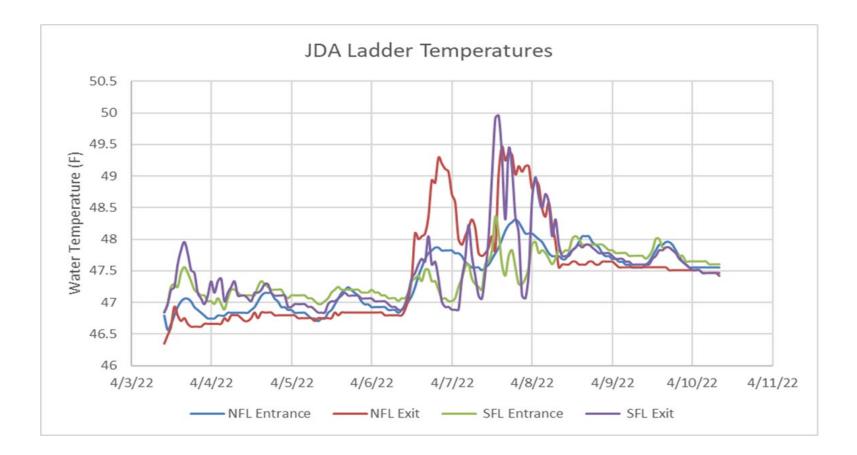
Bird Data:

Cormorant numbers are steady around 30, mainly roosting on rocks in SW2. Gull numbers minimal. A pelican seen occasionaly resting on Preacher's Island or PH3. Small number of grebes have returned to PHFB. (see 'Bird Count' tab for details). 1 of 125 avian lines down. The 7 lines that were broken by the BPA line repair were replaced on 3/29. USDA hazing starts 4/16. Pelicans on Preacher's Island: averaged 0 per day

Research:

Adult fish counting will started April 1. USGS temperature probes were installed in the forebay on 3/29.





JDA Collection Channel Velocity

FPP Criteria: 1.5–4.0 feet per second (2 fps optimum)

Date	Measurement Location	Speed (ft/sec)	SFL Turbine RPMs (1,2,3)	Bay 19 TW (ft)
4/4/2022	Unit 4	2.53	68,0,68	160.5
4/4/2022	Unit 12	2.56	68,0,68	160.5
4/7/2022	Unit 4	2.56	68,0,68	161.8
4/7/2022	Unit 12	2.56	68,0,68	161.8
4/9/2022	Unit 4	2.49	68,0,68	160.3
4/9/2022	Unit 12	2.57	68,0,68	160.3

Average Weekly Velocity (ft/sec)	2.55

JOHN DAY WEEKLY AVERAGES

	NE1 (Ft)	NE2 (Ft)	S.Ent (Ft)	SE1 (Ft)	N.Ent (Ft)	JBS Diff (Ft)	Bay19 (Ft)	Spill Vol. (kcfs)	Spill %	# Spillbays
Sunday	9.2	9.1	1.4	8.4	1.7	4.5	1.7	0.0	0.0	0
Sunday	9.1	9.0	1.4	8.1	1.6	4.6	1.7	0.0	0.0	0
Monday	10.0	9.9	1.3	9.2	1.6	4.6	1.7	0.0	0.0	0
Monday	9.7	9.6	1.3	8.9	1.5	4.6	1.6	0.0	0.0	0
Tuesday	10.5	10.4	1.3	9.5	1.5	4.4	1.4	0.0	0.0	0
Tuesday	9.3	9.2	1.5	8.4	1.7	4.8	1.7	0.0	0.0	0
Wednesday	10.2	10.1	1.2	9.4	1.5	4.8	1.6	0.0	0.0	0
Wednesday	9.4	9.4	1.4	8.8	1.5	4.5	1.6	0.0	0.0	0
Thursday	10.5	10.4	1.1	9.7	1.4	4.6	1.5	0.0	0.0	0
Thursday	9.9	9.9	1.3	8.9	1.5	4.6	1.3	0.0	0.0	0
Friday	10.4	10.3	1.1	9.5	1.5	4.7	1.5	0.0	0.0	0
Friday	10.1	10.0	1.5	8.3	1.5	4.6	1.6	0.0	0.0	0
Saturday	9.3	9.2	1.5	8.3	1.6	4.6	1.7	0.0	0.0	0
Saturday	9.3	9.2	1.5	8.4	1.5	4.7	1.7	0.0	0.0	0
AVG:	9.8	9.7	1.3	8.8	1.5	4.6	1.6	0.0	0.0	0.0

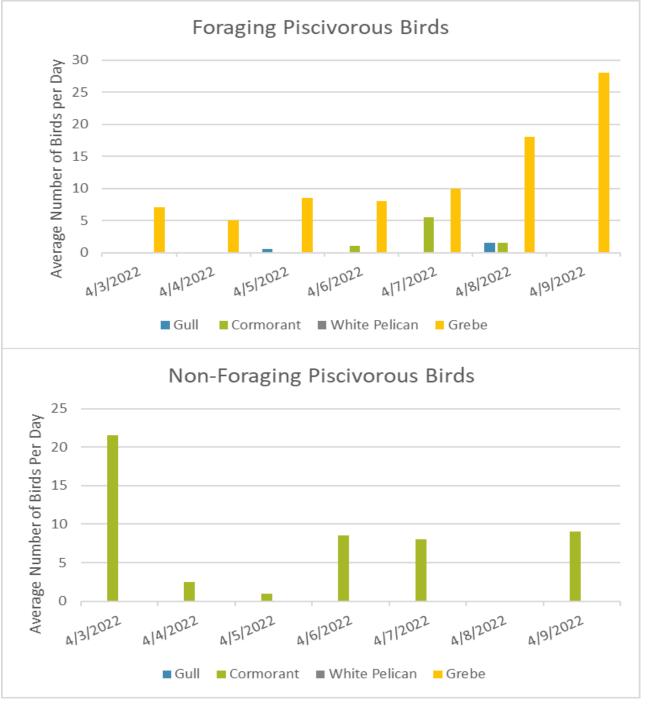
				Average # of Pelicans
	Temp (F)	Secchi (Ft)	Fallbacks	on Island Per Day
Sunday	46.2	5.0	N/A	0
Monday	46.6	5.5	9	2
Tuesday	46.7	5.0	6	1
Wednesday	47.3	5.0	10	0
Thursday	48.0	5.0	3	0
Friday	47.7	5.0	2	0
Saturday	47.5	5.0	N/A	0
AVG	47.1	5.1	6	0



					Bird Co				/22		4/9/2	_										
		F(1): F	orage	AM su	irvey	F(2):	Fora	ge PM	Survey	NF	(1): Nor	-Forag	e AM S	urvey	N	-(2): No	on-Fora	ige Pl	V Sur	vey		
Data	7		G	ulls			Cor	morant		Caspian tern				White	e Pelica	in	Grebe				Tetel	
Date	Zone	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)	Total
3-Apr	PHFB	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	8	6	0	0	19
3-Apr	SWFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Apr	PH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Apr	PH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Apr	PH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Apr	SW2	0	0	0	0	0	0	13	25	0	0	0	0	0	0	0	0	0	0	0	0	38
3-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total/S		0			0	()	2	2		0		0	•))		7		0	29
	PHFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10
	SWFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-Apr	PH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-Apr	PH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-Apr	SW1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-Apr	SW2	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
4-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total/S		0			D	()		3		0		0	())		5		0	8
	PHFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	17
-	SWFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-Apr		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5-Apr		0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
5-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total/S		1			0	(_				0		0))		9		0	10
-	PHFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	1	0	0	16
	SWFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-Apr		0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
6-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-Apr		0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	17
6-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total/S	urvey	0			0		L		1		0		U		0		J		8		U	18

		=(4) =		-	Bird C						4/9/22	_				-(2) 11	_					
		F(1): F	orage	AM su	irvey	+(2):	Fora	ge PM :	Survey	NF	(1): Non	-Forage	e AM S	urvey	N	-(2): No	on-Fora	age PN	vi Surv	vey		
	Gulls					Cor	morant	l		Caspian tern			White Pelican					G	rebe			
Date	Zone	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)	Total
7-Apr	PHFB	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	31
7-Apr	SWFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7-Apr	PH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7-Apr	PH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7-Apr		0	0	0	0	0	0	1	15	0	0	0	0	0	0	0	0	0	0	0	0	16
7-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total/S		0			0		5		B		0		0	(0	_	.0)	24
8-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	18	0	0	36
	SWFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-Apr		0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
8-Apr 8-Apr		0	0 0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0
-		0 0	0	0 0	0 0	0 1	0 0	0 0	0 0	0 0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0	0
8-Apr 8-Apr		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 0
8-Apr 8-Apr		3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total/S		2	-	÷		-	2	÷	0	0	0	-	0	0	-	÷	0	-	.8	÷)	21
9-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	22	0	0	56
	SWFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9-Apr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9-Apr	SW1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9-Apr		0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	18
9-Apr	SW3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total/S		0			D)		9		0		D	()	(0	2	8)	37

Totals	G	ulls	Cori	morant	Caspia	in tern	White	e Pelican	G	Total	
	F	NF	F	NF	F	NF	F	NF	F	NF	Total
Weekly Total	4	0	16	101	0	0	0	0	169	0	145
Avg/Survey	0	0	1	7	0	0	0	0	12	0	21





Avian Line Repair Completed 3/29/22



Yakama Nation hazing gulls on Miller Rocks Island using falconry on 4/6/22