## **FISHWAY STATUS REPORT - JOHN DAY DAM**

**Date:** 2/5/2022

**Inspection Period:** 1/30/2022 thru 2/5/2022

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



JD/WC Project-Fisheries

P.O. Box 823

Rufus, Oregon 97050 Phone: 541-506-7860

John Day Dam	Inspection OOC	Criteria Limit		Total Number of	6	Temperature: Secchi:	37.6 6.0							
			N	ORTH FISHW	'AY									
Exit differential	0	≤ 0.5′												
Exit Control weirs	0	High setting	NFL RTS 1/2	1										
Count station differential	0	≤ 0.3'												
Entrance differential	0	1.0' - 2.0'	AVG (Ft.)	1.5										
SOUTH FISHWAY  Exit differential 0 ≤ 0.5'														
Exit differential														
Exit Control weirs	0	Mid setting	SFL SOOS 1/	21 for winter main	tainence									
Count station differential	0	≤ 0.3'												
Weir crest depth (US gauge)														
South entrance differential	0	1.0' - 2.0'	AVG (Ft.)	N/A										
Entrance weir SE1	0	depth (≥ 8')	AVG (Ft.)	N/A										
Collection channel velocity	0	1.5 - 4 fps	AVG (Ft.)	N/A										
N. Entrance PH(Bay 19)differential	0	1.0' - 2.0'	AVG (Ft.)	N/A										
Entrance weir NE1	0	depth (≥ 8')	AVG (Ft.)	N/A										
Entrance weir NE2	0	depth (≥ 8')	AVG (Ft.)	N/A										
			JU	VENILE PASS	AGE									
Forebay/bypass conduit differential	0	4.0' - 5.0'	AVG (Ft.)	N/A										
Submersible traveling screens	0	visual inspect	STSs remove	d for winter maint	enance									
Turbine trashrack drawdown	0	<1.5', wkly												
Vert 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	per FPP													
Turbine 1% Efficiency	0	per FPP												

# **Fisheries Related Operations**

## **Smolt Monitoring Operations**:

## Adult Ladder Operations:

North fish ladder is operating within criteria. South fish ladder was dewatered on 2/3.

#### **Project Operations**:

Current outages: South Fish Ladder, SMF, JBS, MU3, MU5, MU7, MU8, MU12.

## **Maintenance**:

Winter maintenance continues on South Fish Ladder

#### Calibration:

All gauges within the 0.3' criteria.

#### Bird Data:

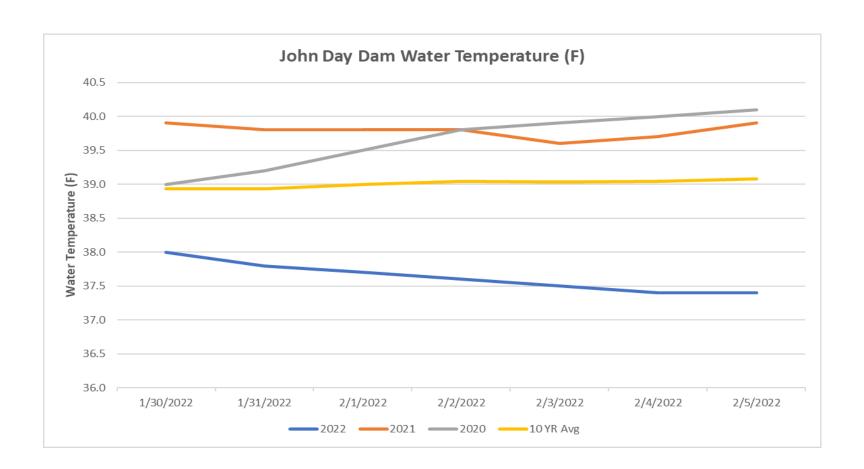
Cormorant numbers are steady around 30, mainly roosting on rocks in SW2 and SW3 or towers in PHFB. Gull numbers minimal, few foraging in the tailrace in PH1 and PH3. A pelican seen occasionaly resting on Preacher's Island or PH3. Grebes have dispersed. (see 'Bird Count' tab for details). Bird counts are not currenlty conducted Friday-Sunday.

8 of 125 avian lines down, will need to be replaced

Pelicans on Preacher's Island: averaged 0 per day

## Research:

None



# **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)

	Average Weekly Velocity (ft/sec)	N/A
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# **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										
Monday					1.5			0.0	0.0	0
Tuesday					1.4			0.0	0.0	0
Wednesday					1.6			0.0	0.0	0
Thursday					1.5			0.0	0.0	0
Friday					1.7			0.0	0.0	0
Saturday					1.5			0.0	0.0	0
AVG:	N/A	N/A	N/A	N/A	1.5	N/A	N/A	0.0	0.0	0.0

N/A

0

	Temp (F)	Secchi (Ft)	Fallbacks	Average # of Pelicans on Island Per Day
Sunday	38.0		N/A	
Monday	37.8	6.0	N/A	0
Tuesday	37.7	6.0	N/A	0
Wednesday	37.6	6.0	N/A	0
Thursday	37.5	6.0	N/A	0
Friday	37.4		N/A	
Saturday	37.4		N/A	

6.0

AVG

37.6



JDA Bird Counts: <u>1/30/22</u> to <u>2/5/22</u>

F(1): Forage AM survey F(2): Forage PM Survey NF(1): Non-Forage AM Survey NF(2): Non-Forage PM Survey

Date	Zone		G	ulls			Cor	norant			Caspia	n tern			White	e Pelica	an		G	rebe		Total
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)	TOLAI
30-Jan	PHFB	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
30-Jan	SWFB	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
30-Jan	PH1	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
30-Jan	PH2	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
30-Jan	PH3	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
30-Jan	SW1	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
30-Jan	SW2	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
30-Jan	SW3	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Total/S	urvey	N	С	N	IC	N	IC	N	С		NC	N	IC	N	IC	N	IC	N	IC	N	IC	NC
31-Jan		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SWFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31-Jan		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31-Jan		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31-Jan		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31-Jan		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31-Jan	-	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	25
31-Jan		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Total/S		0			0		)	2		0	0		0		)		0		0		0	25
	PHFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SWFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-Feb 1-Feb		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-Feb		0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0
1-Feb	-	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1-Feb		0	0	2	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	31
1-Feb		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total/S		0		-	2	- 7	2	2			0		0	(			0		0		0	33
	PHFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-Feb	SWFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-Feb	PH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-Feb	PH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-Feb	PH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-Feb	SW1	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
2-Feb	SW2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2-Feb	SW3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total/S	urvey	8			0		)	1	L		0		0		)		0		0		0	9

JDA Bird Counts: <u>2/3/22</u> to <u>2/5/22</u>

F(1): Forage AM survey F(2): Forage PM Survey NF(1): Non-Forage AM Survey NF(2): Non-Forage PM Survey

Date	Zone		G	ulls			Corı	morant			Caspia	n tern		,	White	e Pelica	n		Total			
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)	TOLAI
3-Feb	PHFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Feb	SWFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Feb	PH1	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
3-Feb	PH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Feb	PH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Feb	SW1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Feb	SW2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Feb	SW3	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Total/9	Survey	0			0	-	5	3	1		0		0	•	)		0		0		)	36
4-Feb	PHFB	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
4-Feb	SWFB	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
4-Feb	PH1	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
4-Feb	PH2	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
4-Feb	PH3	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
4-Feb	SW1	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
4-Feb	SW2	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
4-Feb	SW3	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Total/9		N	C	N	IC	N	IC	N	С		NC	N	IC		C	N	IC	N	IC	N	IC	NC
	PHFB	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	SWFB	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
5-Feb		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
5-Feb	PH2	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
5-Feb	PH3	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
5-Feb	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
5-Feb	SW2	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
5-Feb		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Total/9	Survey	N	C	N	IC	N	IC	N	C		NC	N	IC	N	IC	N	IC	١	IC	N	IC	NC

Totals	G	ulls	Cori	morant	Caspia	ın tern	White	e Pelican	G	Total	
	F	NF	F	NF	F	NF	F	NF	F	NF	Total
Weekly Total	8	2	7	86	0	0	0	0	0	0	103
Avg/Survey	1	0	1	12	0	0	0	0	0	0	15

