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

**Date:** 2/12/2022

**Inspection Period:** 2/6/2022 thru 2/12/2022

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	Inspections:	Temperature: 37.4 F Secchi: 6.0 Ft.								
			N	IORTH 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.)	1.6										
SOUTH FISHWAY														
Exit differential	0	≤ 0.5′												
Exit Control weirs	0 Mid setting SFL SOOS 1/21 for winter maintainence													
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 (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	<b>VENILE PASS</b>	AGE									
Forebay/bypass conduit differential	0	4.0' - 5.0'	AVG (Ft.)	N/A										
Submersible traveling screens	0	visual inspect	STSs remove	ed 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	0	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: Navlock, South Fish Ladder, SMF, JBS, MU3, MU7, MU12.

#### Maintenance:

Winter maintenance continues on South Fish Ladder and Navlock.

#### Calibration:

All gauges within the 0.3' criteria.

#### Bird Data:

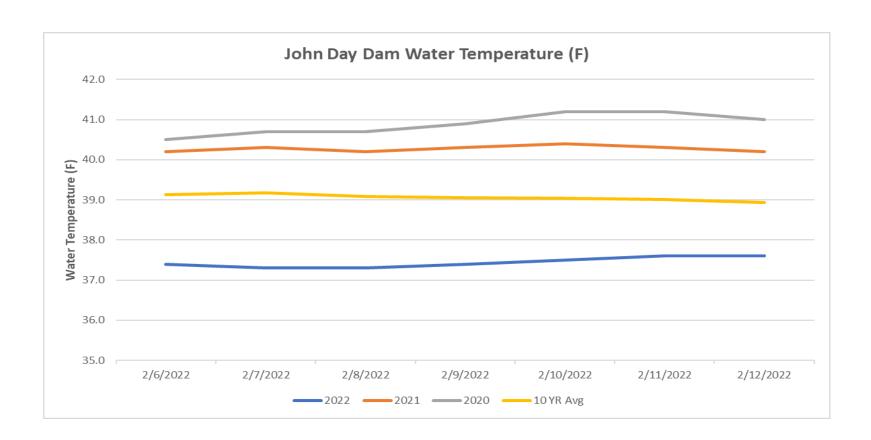
Cormorant numbers are steady around 30, mainly roosting on rocks in SW2 and SW3 or towers in PHFB. Gull numbers minimal, few foraging in the tailrace in PH1 and PH3. A pelican seen occasionaly resting on Preacher's Island or PH3. Grebes have dispersed. (see 'Bird Count' tab for details). Bird counts 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



# **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					1.7			0.0	0.0	0
Monday					1.5			0.0	0.0	0
Tuesday					1.6			0.0	0.0	0
Wednesday					1.6			0.0	0.0	0
Thursday					1.7			0.0	0.0	0
Friday					1.5			0.0	0.0	0
Saturday					1.4			0.0	0.0	0
AVG:	N/A	N/A	N/A	N/A	1.6	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	37.4		N/A	
Monday	37.3	6.0	N/A	0
Tuesday	37.3	6.0	N/A	0
Wednesday	37.4	6.0	N/A	0
Thursday	37.5	6.0	N/A	0
Friday	37.6		N/A	
Saturday	37.6		N/A	

6.0

AVG

37.4



JDA Bird Counts: <u>2/6/22</u> to <u>2/12/22</u>

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

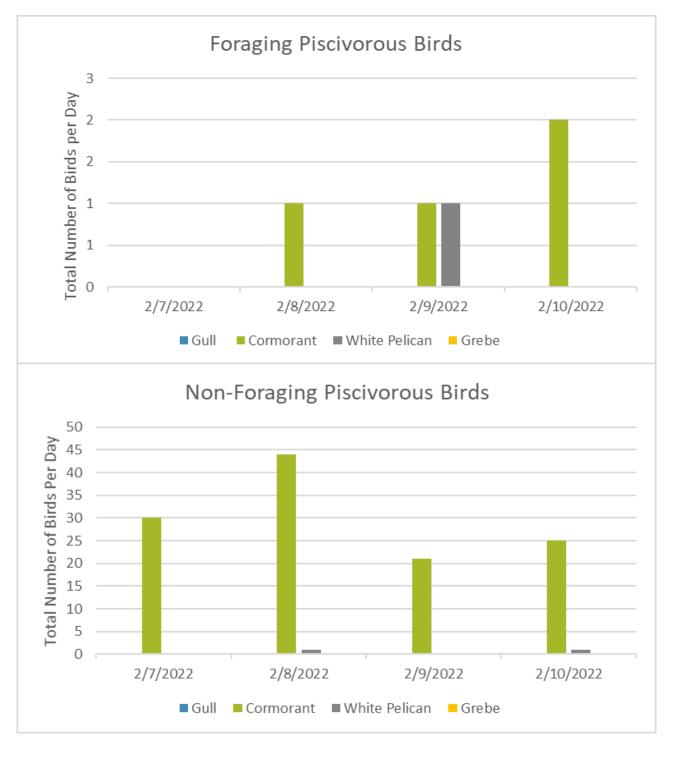
Date	Zone		G	ulls			Cor	morant			Caspia	n tern			White	e Pelica	n		G	rebe		Total
Date	Zone	F(1)	F(2)	NF(1)	NF(2)	F(1)	F(2)	NF(1)	NF(2)	F(1)	F(2)	NF(1)	NF(2)	F(1)	F(2)	NF(1)	NF(2)	F(1)	F(2)	NF(1)	NF(2)	TOLAI
6-Feb	PHFB	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
6-Feb	SWFB	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
6-Feb	PH1	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
6-Feb	PH2	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
6-Feb	PH3	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
6-Feb	SW1	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
6-Feb	SW2	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
6-Feb	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	C	N	IC	N	C	N	С		NC	N	IC	N	C	N	IC	N	IC	N	IC	NC
7-Feb	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
7-Feb		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7-Feb		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7-Feb		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7-Feb		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7-Feb		0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	30
7-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			0		)	3		_	0		0	(			0		0		0 -	30
	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
8-Feb		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8-Feb		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-Feb	_	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
8-Feb		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
8-Feb 8-Feb	-	0	0	0	0	0	0	37 7	0 0	0	0 0	0	0	0	0	0	0	0	0	0	0	37 7
Total/S		0		0		·	L	4	_	U	0	_	)	0			1	_	0		)	46
9-Feb	_	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
9-Feb	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	n
9-Feb		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9-Feb		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
9-Feb		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
9-Feb	-	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	21
9-Feb	_	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	1	L	2	1		0		0	- :	L	(	0	(	0	(	0	23

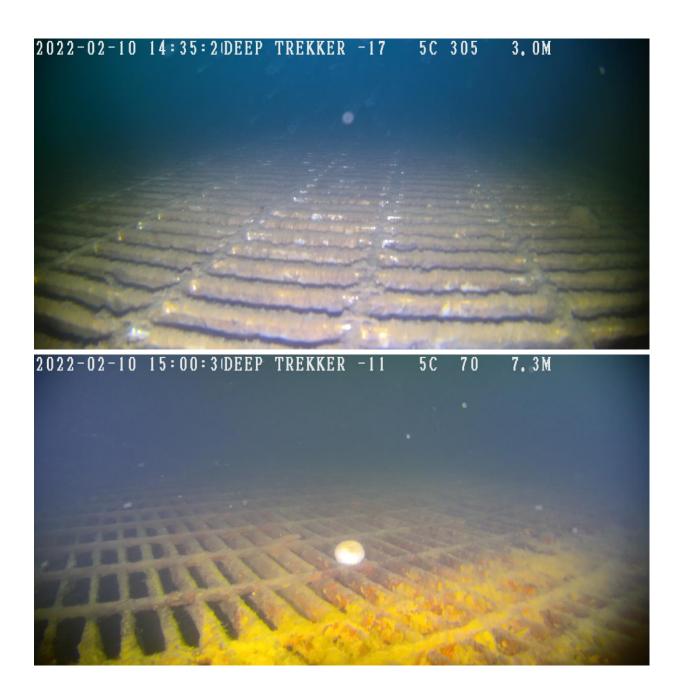
# JDA Bird Counts: <u>2/10/22</u> <u>to</u> <u>2/12/22</u>

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	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
10-Feb	PHFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-Feb	SWFB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-Feb	PH1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
10-Feb	PH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-Feb	PH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
10-Feb	SW1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-Feb	SW2	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	25
10-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	0			0	-	2	2	5		0	(	0	(	)	:	1	(	0	(	)	28
11-Feb	PHFB	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
11-Feb	SWFB	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
11-Feb	PH1	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
11-Feb	PH2	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
11-Feb	PH3	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
11-Feb	SW1	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
11-Feb	SW2	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
11-Feb		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Total/S		N			IC	N		N			NC		IC		IC		IC		IC		IC	NC
12-Feb	–	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
12-Feb		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
12-Feb		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
12-Feb		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
12-Feb		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
12-Feb	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
12-Feb	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
12-Feb		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	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	0	0	4	120	0	0	1	2	0	0	127
Avg/Survey	0	0	1	17	0	0	0	0	0	0	18





ROV images from AWS grating inspection on 2/10/22