

FISHWAY STATUS REPORT - JOHN DAY DAM

Date: 1/29/2022

Inspection Period: 1/23/2022 thru 1/29/2022



**US Army Corps
of Engineers**
Portland District

JD/WC Project-Fisheries
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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.

John Day Dam	Inspection OOC	Criteria Limit	Total Number of Inspections: 6		Temperature: 38.2 F	Secchi: 6.0 Ft.
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NORTH FISHWAY

Exit differential	0	≤ 0.5'				
Exit Control weirs	0	High setting	NFL RTS 1/21			
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 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.)	8.6		
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.)	9.8		
Entrance weir NE2	0	depth (≥ 8')	AVG (Ft.)	9.7		

JUVENILE PASSAGE

Forebay/bypass conduit differential	0	4.0' - 5.0'	AVG (Ft.)	4.4		
Submersible traveling screens	0	visual inspect	STSs removed for winter maintenance			
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 set to orifice flow on 1/21 to prepare for dewatering.

Project Operations:

Current outages: South Fish Ladder, SMF, JBS, MU3, MU7, 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 occasionally resting on Preacher's Island or PH3. Grebes have dispersed. (see 'Bird Count' tab for details). Bird counts are not currently conducted Friday-Sunday.

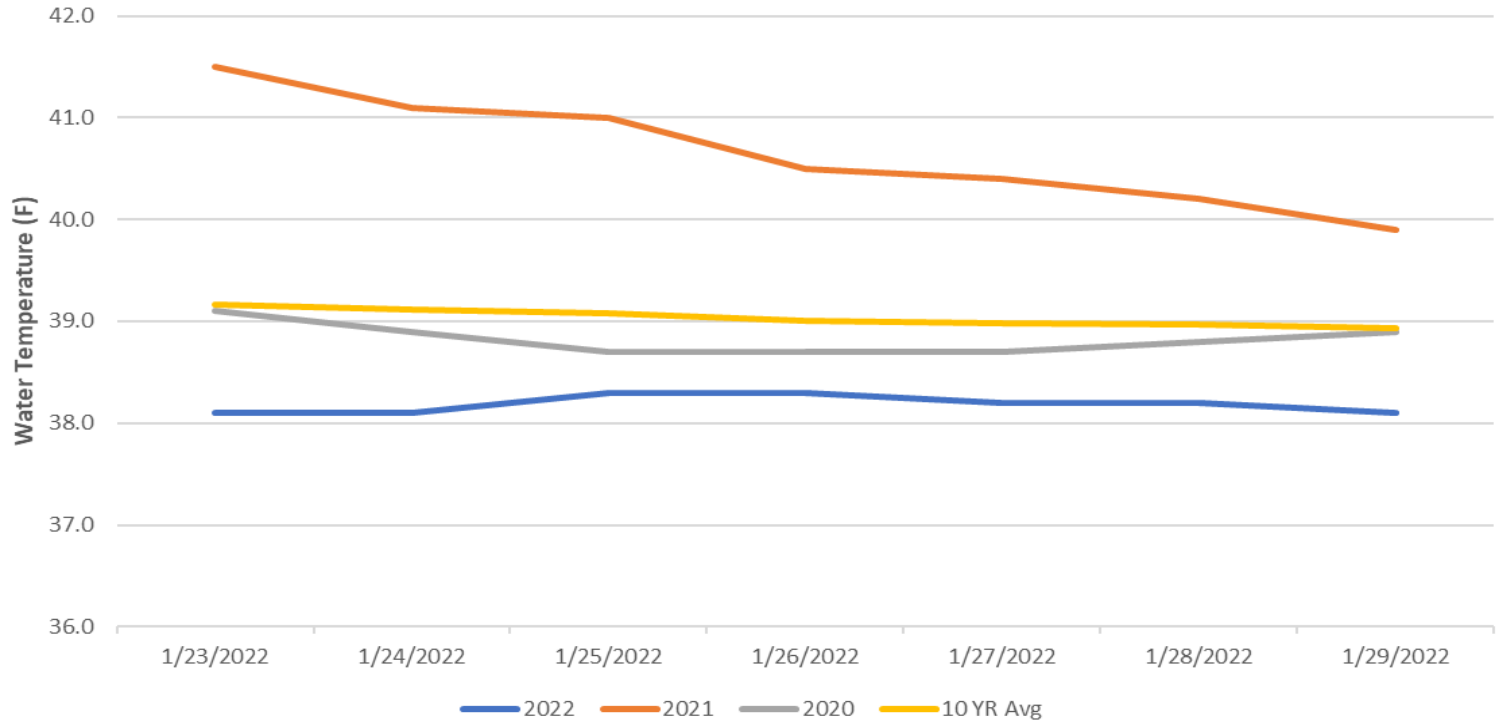
8 of 125 avian lines down, will need to be replaced

Pelicans on Preacher's Island: averaged 0 per day

Research:

None

John Day Dam Water Temperature (F)



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

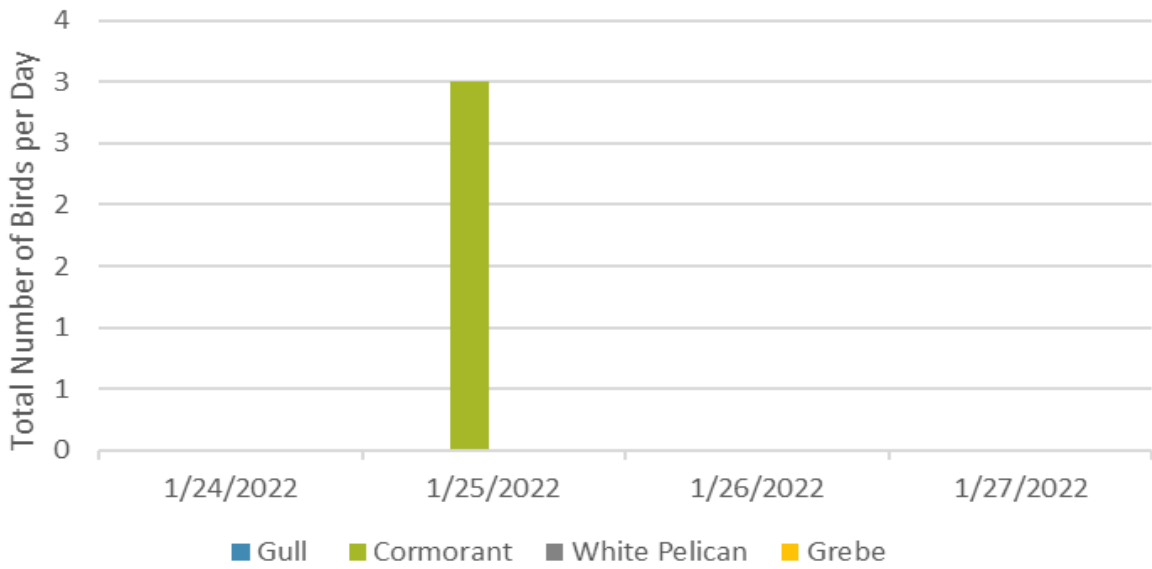
	NE1 (Ft)	NE2 (Ft)	S.Ent (Ft)	SE1 (Ft)	N.Ent (Ft)	JBS Diff (Ft)	Bay19 (Ft)	Spill Vol. (kcfs)	Spill %	# Spillbays
Sunday	9.8	9.7		8.6	1.6	4.5		0.0	0.0	0
Monday					1.4	4.5		0.0	0.0	0
Tuesday					1.3	4.5		0.0	0.0	0
Wednesday					1.6	4.2		0.0	0.0	0
Thursday					1.5	4.4		0.0	0.0	0
Friday					1.6	4.5		0.0	0.0	0
Saturday										
AVG:	9.8	9.7	N/A	8.6	1.5	4.4	N/A	0.0	0.0	0.0

	Temp (F)	Secchi (Ft)	Fallbacks	Average # of Pelicans on Island Per Day
Sunday	38.1		N/A	
Monday	38.1	6.0	N/A	0
Tuesday	38.3	6.0	N/A	0
Wednesday	38.3	6.0	N/A	0
Thursday	38.2	6.0	N/A	0
Friday	38.2		N/A	
Saturday	38.1		N/A	
AVG	38.2	6.0	N/A	0

John Day Dam
Avian Zones



Foraging Piscivorous Birds



Non-Foraging Piscivorous Birds

