

Pacific States Marine Fisheries Commission

John Day Dam Condition Monitoring Weekly Report, #22-1

Report Period: 4/4 – 4/8, 2022

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SECTION 1. River Flow and Sampling Results

	Mean				
	Min	Max	Current	Last Week	2021
A. River Flow	149.0	188.5	172.8		125.7
B. Powerhouse 1	148.2	187.3	171.8		124.3
C. Powerhouse 2	0.0	0.0	0.0		0.0
D. Spill (kcfs)	0.0	0.0	0.0		0.0
% of River Flow	0.0	0.0	0.0		0.0
E. Water Temp *	47.1	48.2	47.4		47.2
F. % Saturation *	101.6	106.5	103.3		105.4

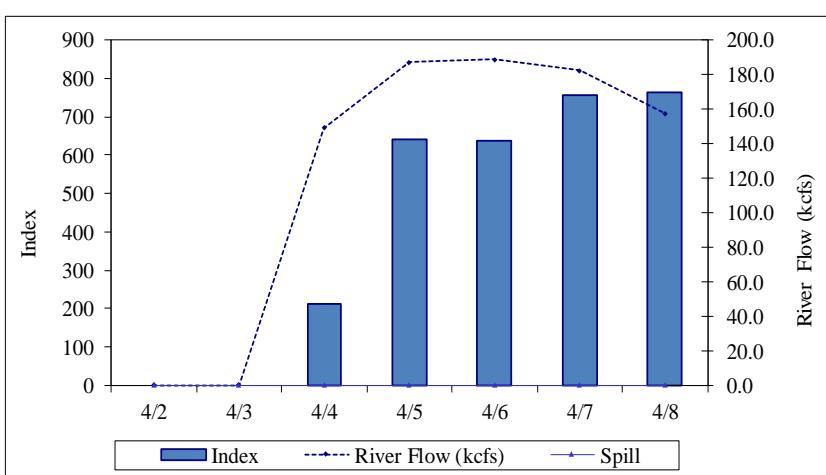
* In sampling facility.

% SAMPLE COMPOSITION	This Week	Last Week
YEARLING CHINOOK	87.8%	
SUBYEARLING CHINOOK	0.0%	
CHINOOK FRY	0.0%	
UNCLIPPED STEELHEAD	2.6%	
CLIPPED STEELHEAD	9.3%	
COHO	0.3%	
COHO FRY	0.0%	
SOCKEYE	0.0%	

YEARLING CHINOOK						SUBYEARLING CHINOOK						COHO					
End Date	Sample Rate	# Smpld	% Desc	% Mort	# Coll	Index	# Smpld	% Desc	% Mort	# Coll	Index	# Smpld	% Desc	% Mort	# Coll	Index	
4/2		0	0.0	0.0	0	0	0	0.0	0.0	0	0	0	0.0	0.0	0	0	
4/3		0	0.0	0.0	0	0	0	0.0	0.0	0	0	0	0.0	0.0	0	0	
4/4	50.0%	100	1.0	0.0	200	200	0	0.0	0.0	0	0	1	0.0	0.0	2	2	
4/5	18.3%	115	1.7	0.0	634	634	0	0.0	0.0	0	0	0	0.0	0.0	0	0	
4/6	20.7%	115	0.9	0.0	553	553	0	0.0	0.0	0	0	0	0.0	0.0	0	0	
4/7	16.2%	109	0.9	0.0	656	656	0	0.0	0.0	0	0	0	0.0	0.0	0	0	
4/8	24.6%	146	0.7	0.0	592	592	0	0.0	0.0	0	0	1	0.0	0.0	4	4	
Weekly		585	1.0	0.0	2,635	2,635	0	0.0	0.0	0	0	2	0.0	0.0	6	6	
Season to date		692	1.0	0.0	2,891	2,891	0	0.0	0.0	0	0	2	0.0	0.0	6	6	

UNCLIPPED						STEELHEAD						CLIPPED						SOCKEYE					
End Date	Sample Rate	# Smpld	% Desc	% Mort	# Coll	Index	# Smpld	% Desc	% Mort	# Coll	Index	# Smpld	% Desc	% Mort	# Coll	Index	# Smpld	% Desc	% Mort	# Coll	Index		
4/2		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		
4/3		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		
4/4	50.0%	5	0.0	0.0	10	10	1	0.0	0.0	2	2	0	0.0	0.0	0	0	0	0.0	0.0	0	0		
4/5	18.3%	0	0.0	0.0	0	0	2	0.0	0.0	8	8	0	0.0	0.0	0	0	0	0.0	0.0	0	0		
4/6	20.7%	7	1.0	0.0	35	35	10	10.0	0.0	49	49	0	0.0	0.0	0	0	0	0.0	0.0	0	0		
4/7	16.2%	1	0.0	0.0	10	10	12	0.0	0.0	89	89	0	0.0	0.0	0	0	0	0.0	0.0	0	0		
4/8	24.6%	4	0.0	0.0	16	16	37	8.1	0.0	151	151	0	0.0	0.0	0	0	0	0.0	0.0	0	0		
Weekly		17	5.9	0.0	71	71	62	6.5	0.0	299	299	0	0.0	0.0	0	0	0	0.0	0.0	0	0		
Season to date		18	5.6	0.0	75	75	62	6.5	0.0	299	299	0	0.0	0.0	0	0	0	0.0	0.0	0	0		

TOTAL						
End Date	Sample Rate	# Smpld	% Desc	% Mort	# Coll	Index
4/2		0	0.0	0.0	0	0
4/3		0	0.0	0.0	0	0
4/4	50.0%	107	0.9	0.0	214	214
4/5	18.3%	117	1.7	0.0	642	642
4/6	20.7%	132	2.3	0.0	637	637
4/7	16.2%	122	0.8	0.0	755	755
4/8	24.6%	188	2.1	0.0	763	763
Weekly		666	1.7	0.0	3,011	3,011
Season to date		774	1.6	0.0	3,271	3,271



Notes: Condition percentages are calculated from sample numbers.
Subyearling chinook and coho include fry.

Pacific Lamprey				Western Brook Lamprey					
Macropthalmia			Ammocoetes			Ammocoetes			
End Date	# Smpld	% Mort	# Coll	# Smpld	% Mort	# Coll	# Smpld	% Mort	# Coll
4/2	0	0.0	0	0	0.0	0	0	0	0
4/3	0	0.0	0	0	0.0	0	0	0	0
4/4	0	0.0	0	0	0.0	0	0	0	0
4/5	1	0.0	4	0	0.0	0	0	0	0
4/6	2	0.0	9	0	0.0	0	0	0	0
4/7	1	0.0	5	0	0.0	0	0	0	0
4/8	2	0.0	10	0	0.0	0	0	0	0
Weekly	6	0.0	28	0	0.0	0	0	0	0
Season to date	7	0.0	30	0	0.0	0	0	0	0

SECTION 2. Smolt and Lamprey Condition Monitoring Summary

SECTION 3. Incidental Summary

	Bass Largemouth	Bass Smallmouth	Bluegill and Pumpkinseed	Bullhead	Carp	Catfish, Channel	Chiselmouth	Crappie species
This Week	0	0	0	0	0	0	0	1
Season to Date	0	0	0	0	0	0	0	1

	Dace - Longnose	Dace - Speckled	Chinook Jack	Kokanee	Lamprey Adult	Northern Pikeminnow	Peamouth	Perch Yellow
This Week	0	0	0	0	0	0	0	34
Season to Date	0	0	0	0	0	0	0	59

	Redside Shiner	Sand Roller	Sculpin species	Stickleback 3 spine	Sucker species	Shad Adult	Shad Juvenile	Sturgeon White
This Week	0	0	2	2	0	0	0	0
Season to Date	0	0	4	2	0	0	0	0

	Trout Bull	Trout Cutthroat	Trout Rainbow	Walleye	Whitefish Mountain	Siberian Prawn	Chum Salmon	Other/Not Listed
This Week	0	0	0	0	0	27	0	0
Season to Date	0	0	0	0	0	35	0	0

SECTION 4. Facility Operations

Condition Monitoring at John Day Dam is scheduled to sample Monday through Friday until early June. Samples will be taken from the Juvenile Bypass System between 0700 and 1300 hrs. and the Condition Exams will target approximately 100 of the predominant species of out-migrant. Debris at the separator bars was low for part of the week but increased substantially during the last two days of sampling. Debris consisted of sticks, plastic, and pieces of terrestrial vegetation.

SECTION 5. Research

Genetic fin clip samples were taken from 6 Pacific Lamprey macrophthalmia for the Columbia River Inter-Tribal Fish Commission during this report period.

SECTION 6. Pictures



Hatchery Steelhead smolt with descaling and avian predation scars, sampled on 8 April, 2022 at the John Day Smolt Facility.



Yearling fall Chinook smolt “Holdover” (*Oncorhynchus tshawytscha*), similar to one sampled on 4 April, 2022 at the John Day Dam Smolt Monitoring Facility.