

Pacific States Marine Fisheries Commission

John Day Dam Condition Monitoring Weekly Report, #23-23

Report Period: 9/2 – 9/8, 2023

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SECTION 1. River Flow and Sampling Results

	Mean				
	Min	Max	Current	Last Week	2022
A. River Flow	76.0	85.0	80.2	121.9	110.2
B. Powerhouse 1	73.4	82.0	77.4	100.4	106.6
C. Spill (kcfs)	1.6	1.6	1.6	20.6	2.4
% of River Flow	1.9	2.1	2.0	16.9	2.2
D. Water Temp *	68.9	69.8	69.3	71.1	71.5
E. % Saturation *	99.2	100.6	100.0	101.9	100.9

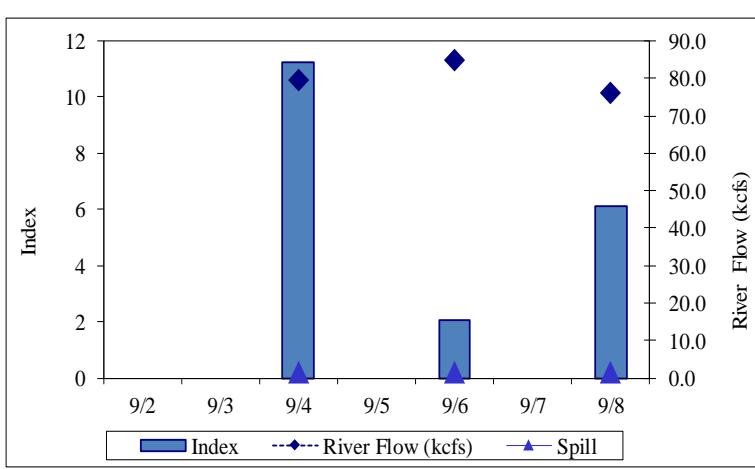
* daily forebay average from TMT website

% SAMPLE COMPOSITION	This Week	Last Week
YEARLING CHINOOK	0.0%	0.0%
SUBYEARLING CHINOOK	100.0%	95.7%
CHINOOK FRY	0.0%	0.0%
UNCLIPPED STEELHEAD	0.0%	0.0%
CLIPPED STEELHEAD	0.0%	4.3%
COHO	0.0%	0.0%
COHO FRY	0.0%	0.0%
SOCKEYE	0.0%	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	
9/2																	
9/3																	
9/4	100.0%	0	0.0	0.0	0	0	11	9.1	0.0	11	11	0	0.0	0.0	0	0	0
9/5																	
9/6	100.0%	0	0.0	0.0	0	0	2	50.0	0.0	2	2	0	0.0	0.0	0	0	0
9/7																	
9/8	100.0%	0	0.0	0.0	0	0	6	16.7	0.0	6	6	0	0.0	0.0	0	0	0
Weekly		0	0.0	0.0	0	0	19	15.8	0.0	19	19	0	0.0	0.0	0	0	0
Season to date		3,888	2.2	0.2	84,181	214,016	3,719	1.3	0.2	54,566	144,147	284	4.9	0.0	8,145	22,040	

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			
9/2																								
9/3																								
9/4	100.0%	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	
9/5																								
9/6	100.0%	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	
9/7																								
9/8	100.0%	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	
Weekly		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	
Season to date		344	3.5	0.0	10,294	25,917	959	4.0	0.0	38,694	97,931	140	5.7	0.0	4,698	11,560								

TOTAL						
End Date	Sample Rate	# Smpld	% Desc	% Mort	# Coll	Index
9/2						
9/3						
9/4	100.0%	11	9.1	0.0	11	11
9/5						
9/6	100.0%	2	50.0	0.0	2	2
9/7						
9/8	100.0%	6	16.7	0.0	6	6
Weekly		19	15.8	0.0	19	19
Season to date		9,334	2.2	0.2	200,578	515,611



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

Pacific Lamprey						Western Brook Lamprey						
Macrophthalmia			Ammocoetes			Ammocoetes			Ammocoetes			
End Date	# Smpld	% Mort	# Coll	# Smpld	% Mort	# Coll	# Smpld	% Mort	# Coll	# Smpld	% Mort	# Coll
9/2												
9/3												
9/4	0	0.0	0	0	0.0	0	0	0	0	0	0	0
9/5												
9/6	0	0.0	0	0	0.0	0	0	0	0	0	0	0
9/7												
9/8	0	0.0	0	0	0.0	0	0	0	0	0	0	0
Weekly	0	0.0	0	0	0.0	0	0	0	0	0	0	0
Season to date	254	0.0	3,248	110	0.0	579	0	0	0	0	0	0

SECTION 2. Smolt and Lamprey Condition Monitoring Summary

			INJURY						DISEASE and OTHER CONDITIONS					PREDATION	
MP- Macrophthalmia	End	SAMPLE #	BODY	EYE	HEAD	FIN	POPEYE	FIN HEM	Columnaris	FUNGUS	DEFORMITY	EYE HEM.	BIRD	FISH	
	Date		9/8	0											
	This Week		9/1	0											
AP - Ammocoetes	End	SAMPLE #													
	Date		9/8	0											
	Last Week		9/1	1											

SECTION 3. Incidental Summary

	Bass Largemouth	Bass Smallmouth	Bluegill and Pumpkinseed	Bullhead	Carp	Catfish, Channel	Chiselmouth	Crappie species
This Week	0	1	2	0	0	0	0	0
Season to Date	0	42	10	0	4	1	0	7

	Dace - Longnose	Dace - Speckled	Chinook Jack	Kokanee	Lamprey Adult	Northern Pikeminnow	Peamouth	Perch Yellow
This Week	0	0	0	0	1	0	0	3
Season to Date	0	0	0	0	4	1	0	86

	Redside Shiner	Sand Roller	Sculpin species	Stickleback 3 spine	Sucker species	Shad Adult	Shad Juvenile	Sturgeon White
This Week	0	0	1	0	0	6	147,732	0
Season to Date	0	0	42	4	2	16	458,494	0

	Trout Bull	Trout Cutthroat	Trout Rainbow	Walleye	Whitefish Mountain	Siberian Prawn	Chum Salmon	Banded killifish
This Week	0	0	0	38	0	0	0	0
Season to Date	0	0	0	202	4	185	0	5

SECTION 4. Facility Operations

Columbia River water temperature averages are now below 69.5 degrees F., which occurred on September 7th and we are now sampling Monday, Wednesday, and Friday. Samples are 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, which is currently Subyearling Fall Chinook which were 100% of the salmonids sampled this week. Collection, Index, and River flow estimates and averages are for the sample period only. Debris at the separator bars continued to be very low for the week and consisted of a few sticks, soft debris such as aquatic macrophytes and bryozoans, and adult American shad.

SECTION 5. Research

No juvenile Pacific lamprey ammocoetes or macrophthalmia were sampled during this report period.

SECTION 6. Pictures



Redside Shiner (*Richardsonius balteatus*), approximately 110 mm fork length, sampled at the John Day Dam Smolt Facility on July 23, 2004. This is not a commonly encountered species at John Day Dam.



Sand Roller (*Percopsis transmontana*), approximately 70 mm fork length, sampled at the John Day Dam Smolt Facility on May 11, 2005. This is not a commonly encountered species at John Day Dam.