

Pacific States Marine Fisheries Commission

John Day Dam Condition Monitoring Weekly Report, #24-23

Report Period: 9/9 – 9/15, 2023

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SECTION 1. River Flow and Sampling Results

	Min	Max	Mean		
			Current	Last Week	2022
A. River Flow	60.5	74.3	66.2	80.2	97.3
B. Powerhouse 1	57.8	71.3	63.4	77.4	94.2
C. Spill (kcfs)	1.6	1.6	1.6	1.6	1.6
% of River Flow	2.2	2.6	2.4	2.0	1.6
D. Water Temp *	69.0	69.4	69.2	69.3	70.8
E. % Saturation *	99.6	100.7	100.0	100.0	100.6

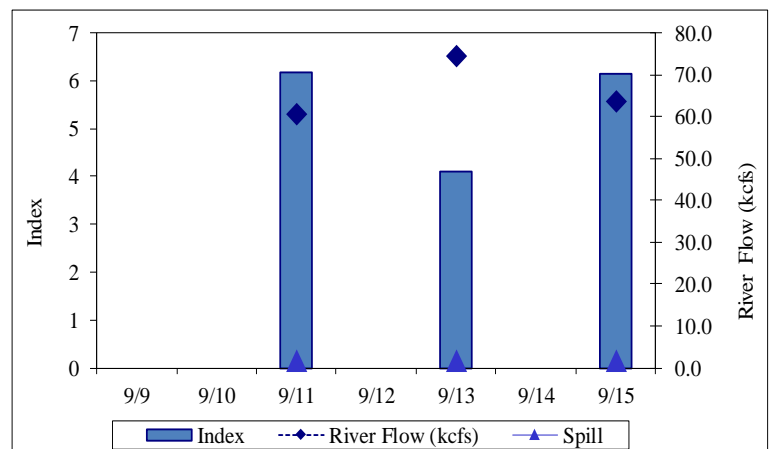
* TDG data from USGS forebay sensor, water temp from lab and USGS sensor.

% SAMPLE COMPOSITION		This Week	Last Week
YEARLING CHINOOK	0.0%	0.0%	
SUBYEARLING CHINOOK	100.0%	100.0%	
CHINOOK FRY	0.0%	0.0%	
UNCLIPPED STEELHEAD	0.0%	0.0%	
CLIPPED STEELHEAD	0.0%	0.0%	
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
9/9																
9/10																
9/11	100.0%	0	0.0	0.0	0	0	6	0.0	0.0	6	6	0	0.0	0.0	0	0
9/12																
9/13	100.0%	0	0.0	0.0	0	0	4	0.0	0.0	4	4	0	0.0	0.0	0	0
9/14																
9/15	100.0%	0	0.0	0.0	0	0	6	0.0	0.0	6	6	0	0.0	0.0	0	0
Weekly		0	0.0	0.0	0	0	16	0.0	0.0	16	16	0	0.0	0.0	0	0
Season to date		3,888	2.2	0.2	84,181	214,016	3,735	1.3	0.2	54,582	144,163	284	4.9	0.0	8,145	22,040

UNCLIPPED STEELHEAD							CLIPPED STEELHEAD					SOCKEYE				
End Date	Sample Rate	# Smpld	% Desc	% Mort	# Coll	Index	# Smpld	% Desc	% Mort	# Coll	Index	# Smpld	% Desc	% Mort	# Coll	Index
9/9																
9/10																
9/11	100.0%	0	0.0	0.0	0	0	0	0.0	0.0	0	0	0	0.0	0.0	0	0
9/12																
9/13	100.0%	0	0.0	0.0	0	0	0	0.0	0.0	0	0	0	0.0	0.0	0	0
9/14																
9/15	100.0%	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
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
9/9						
9/10						
9/11	100.0%	6	0.0	0.0	6	6
9/12						
9/13	100.0%	4	0.0	0.0	4	4
9/14						
9/15	100.0%	6	0.0	0.0	6	6
Weekly		16	0.0	0.0	16	16
Season to date		9,350	2.2	0.2	200,594	515,628



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

Western Brook

	Macrophthalmia			Ammocoetes			Ammocoetes		
End Date	# Smpld	% Mort	# Coll	# Smpld	% Mort	# Coll	# Smpld	% Mort	# Coll
9/9									
9/10									
9/11	0	0.0	0	0	0.0	0	0	0	0
9/12									
9/13	0	0.0	0	0	0.0	0	0	0	0
9/14									
9/15	0	0.0	0	0	0.0	0	0	0	0
Weekly	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

SECTION 2. Smolt and Lamprey Condition Monitoring Summary

		Yearling Chinook		Subyearling Chinook		Unclipped Steelhead		Clipped Steelhead		Coho		Sockeye	
		This Week	Last Week	This Week	Last Week	This Week	Last Week	This Week	Last Week	This Week	Last Week	This Week	Last Week
SAMPLE #		0	0	16	19	0	0	0	0	0	0	0	0
DESCALING	3-19% >20% Pred. Desc.			12.5%	5.3% 5.3% 10.5%								
INJURY	BODY EYE HEAD OPERC. FIN POPEYE				6.3%								
OTHER CONDITIONS	PINK FIN Fin Discolor. FIN HEM.												
DISEASE	Columnaris FUNGUS BKD PARASITES DEFORMITY EYE HEM.												
PREDATION	BIRD FISH LAMPREY OTHER				10.5%								
end dates		9/15	9/8										

			INJURY					DISEASE and OTHER CONDITIONS					PREDATION	
MP- Macrophthalmia	End Date	SAMPLE #	BODY	EYE	HEAD	FIN	POPEYE	FIN HEM	Columnaris	FUNGUS	DEFORMITY	EYE HEM.	BIRD	FISH
This Week	9/15	0												
Last Week	9/8	0												
AP - Ammocoetes		SAMPLE #												
This Week	9/15	0												
Last Week	9/8	0												

SECTION 3. Incidental Summary

	Bass Largemouth	Bass Smallmouth	Bluegill and Pumpkinseed	Bullhead	Carp	Catfish, Channel	Chiselmouth	Crappie species
This Week	0	0	1	0	0	0	0	0
Season to Date	0	42	11	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	0	0	0	0
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	3	114,883	0
Season to Date	0	0	43	4	2	19	573,377	0

	Trout Bull	Trout Cutthroat	Trout Rainbow	Walleye	Whitefish Mountain	Siberian Prawn	Chum Salmon	Banded killifish
This Week	0	0	0	20	0	0	0	0
Season to Date	0	0	0	222	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 low for the week and consisted of a few sticks, soft debris such as aquatic macrophytes and bryozoans, and adult American shad. September 15th is the final sample day for the season and this is the final weekly report.

SECTION 5. Research

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

SECTION 6. Pictures



Mid-sized Sucker species (*Catostomus sp.*), approximately 150 mm fork length, sampled at the John Day Dam Smolt Facility on May 30, 2013.



Juvenile Channel Catfish (*Ictalurus punctatus*), approximately 85 mm fork length, sampled at the John Day Dam Smolt Facility on August 27, 2005.