

# Pacific States Marine Fisheries Commission

## John Day Dam Condition Monitoring Weekly Report, #23-1

Report Period: 4/3 – 4/7, 2023

Project Manager: Allan Martin

Prepared By: Gregory Kovalchuk and Aaron Young



### SECTION 1. River Flow and Sampling Results

	Min	Max	Mean		
			Current	Last Week	2022
A. River Flow	100.2	125.3	110.2		175.0
B. Powerhouse 1	99.1	123.6	108.9		173.9
C. Spill (kcfs)	0.0	0.1	0.0		0.0
% of River Flow	0.0	0.1	0.0		0.0
D. Water Temp *	44.5	45.7	45.0		47.3
E. % Saturation *	NA	NA	Not Available		103.9

\* In sampling facility.

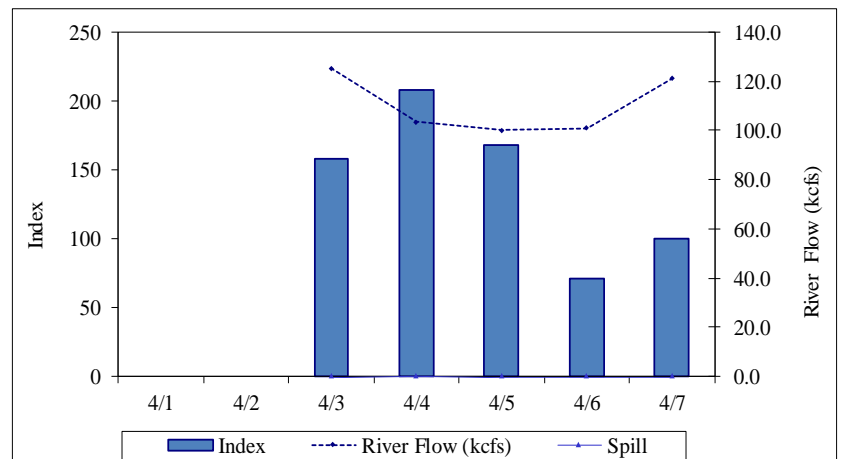
% SAMPLE COMPOSITION		This Week	Last Week
YEARLING CHINOOK		99.5%	
SUBYEARLING CHINOOK		0.0%	
CHINOOK FRY		0.0%	
UNCLIPPED STEELHEAD		0.2%	
CLIPPED STEELHEAD		0.0%	
COHO		0.2%	
COHO FRY		0.0%	
SOCKEYE		0.0%	

YEARLING CHINOOK							SUBYEARLING CHINOOK					COHO				
End Date	Sample Rate	# Smpld	% Desc	% Mort	# Coll	Index	# Smpld	% Desc	% Mort	# Coll	Index	# Smpld	% Desc	% Mort	# Coll	Index
4/1																
4/2																
4/3	50.0%	79	0.0	0.0	158	158	0	0.0	0.0	0	0	0	0.0	0.0	0	0
4/4	50.0%	104	4.8	0.0	208	208	0	0.0	0.0	0	0	0	0.0	0.0	0	0
4/5	60.1%	100	1.0	0.0	166	166	0	0.0	0.0	0	0	1	0.0	0.0	2	2
4/6	80.3%	57	3.5	0.0	71	71	0	0.0	0.0	0	0	0	0.0	0.0	0	0
4/7	100.0%	99	2.0	1.0	99	99	0	0.0	0.0	0	0	0	0.0	0.0	0	0
Weekly		439	2.3	0.2	702	702	0	0.0	0.0	0	0	1	0.0	0.0	2	2
Season to date		439	2.3	0.2	702	702	0	0.0	0.0	0	0	1	0.0	0.0	2	2

UNCLIPPED STEELHEAD							CLIPPED STEELHEAD					SOCKEYE				
End Date	Sample Rate	# Smpld	% Desc	% Mort	# Coll	Index	# Smpld	% Desc	% Mort	# Coll	Index	# Smpld	% Desc	% Mort	# Coll	Index
4/1																
4/2																
4/3	50.0%	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%	0	0.0	0.0	0	0	0	0.0	0.0	0	0	0	0.0	0.0	0	0
4/5	60.1%	0	0.0	0.0	0	0	0	0.0	0.0	0	0	0	0.0	0.0	0	0
4/6	80.3%	0	0.0	0.0	0	0	0	0.0	0.0	0	0	0	0.0	0.0	0	0
4/7	100.0%	1	0.0	0.0	1	1	0	0.0	0.0	0	0	0	0.0	0.0	0	0
Weekly		1	0.0	0.0	1	1	0	0.0	0.0	0	0	0	0.0	0.0	0	0
Season to date		1	0.0	0.0	1	1	0	0.0	0.0	0	0	0	0.0	0.0	0	0

TOTAL						
End Date	Sample Rate	# Smpld	% Desc	% Mort	# Coll	Index
4/1						
4/2						
4/3	50.0%	79	0.0	0.0	158	158
4/4	50.0%	104	4.8	0.0	208	208
4/5	60.1%	101	1.0	0.0	168	168
4/6	80.3%	57	3.5	0.0	71	71
4/7	100.0%	100	2.0	1.0	100	100
Weekly		441	2.3	0.2	705	705
Season to date		441	2.3	0.2	705	705

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
4/1									
4/2									
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	0	0.0	0	0	0.0	0	0	0	0
4/6	0	0.0	0	0	0.0	0	0	0	0
4/7	1	0.0	1	0	0.0	0	0	0	0
Weekly	1	0.0	1	0	0.0	0	0	0	0
Season to date	1	0.0	1	0	0.0	0	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 #		438	0	0	0	1	0	0	0	1	0	0	0
DESCALING	3-19%	3.2%											
	>20%	0.5%											
	Pred. Desc.	1.8%											
INJURY	BODY	1.4%											
	EYE												
	HEAD												
	OPERC.	0.2%											
	FIN	2.5%											
OTHER CONDITIONS	POPEYE												
	PINK FIN												
DISEASE	Fin Discolor.												
	FIN HEM.	0.2%											
	Columnaris												
	FUNGUS	1.4%											
	BKD												
PREDATION	PARASITES												
	DEFORMITY	0.2%											
	EYE HEM.	0.2%											
PREDATION	BIRD	1.1%											
	FISH	1.1%											
	LAMPREY												
	OTHER												
end dates		4/7	3/31										

[illegible]

### **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	5
Season to Date	0	0	0	0	0	0	0	5

	Dace - Longnose	Dace - Speckled	Chinook Jack	Kokanee	Lamprey Adult	Northern Pikeminnow	Peamouth	Perch Yellow
This Week	0	0	0	0	0	0	0	22
Season to Date	0	0	0	0	0	0	0	22

	Redside Shiner	Sand Roller	Sculpin species	Stickleback 3 spine	Sucker species	Shad Adult	Shad Juvenile	Sturgeon White
This Week	0	0	2	1	0	0	0	0
Season to Date	0	0	2	1	0	0	0	0

	Trout Bull	Trout Cutthroat	Trout Rainbow	Walleye	Whitefish Mountain	Siberian Prawn	Chum Salmon	Banded Killifish
This Week	0	0	0	2	0	15	0	0
Season to Date	0	0	0	2	0	15	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 the week. Debris consisted of sticks, plastic, and pieces of terrestrial vegetation.

### **SECTION 5. Research**

Genetic fin clip samples were taken from 1 Pacific Lamprey macrophthalmia for the Columbia River Inter-Tribal Fish Commission during this report period.

## SECTION 6. Pictures



Three-spined Stickleback (*Gasterosteus aculeatus*), approximately 48 mm fork length, sampled at the John Day Dam Smolt Facility on 7 April, 2023.