

Northern Wasco County PUD

Fish Condition Weekly Report #23-06

0800 Tuesday, May 9, 2023 - 0800 Wednesday, May 10, 2023.

Project Biologist: Rick Martinson

Section 1. Comments

A complete 24 hour sample was collected this week. Debris was mostly suspended sediment and algae, the river is very dirty, visibility is about 6".

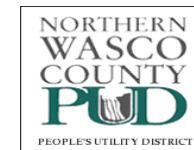
Subyearling Chinook fry are still present but at lower numbers. There were two fish with eye injuries and one Chinook missing a caudal fin.

After finding a jumper on the ground last week I installed side extensions, thought to be high enough to prevent fish from jumping out.

However, this week there were 3 fish on the ground, a Coho, Chinook and a Steelhead, all clipped. The extensions were made for the old system, used on this system there is an open space at the upstream end, it's possible they jumped through that gap. I'll close that gap for next week.

Section 2. River Conditions (for the 24 hour sample period)

			Spill			
	River Flow	Powerhouse	Kcfs	% of River	Forebay	River Temp (°F)
This Week	334.3	195.5	133.0	39.8	158.5	54.3
Last Week	258.6	150.2	102.6	39.7	158.2	52.4



Section 3. Sample Numbers

Date	Subyearling Chinook						Steelhead						Coho						Sockeye						Total- All Species					
	Yearling Chinook			Non Fry			Chinook Fry			Unclipped			Clipped			Good			Desc			Mort			Total					
	Good	Desc	Mort	Total	Good	Desc	Mort	Good	Mort	Total	Chin	0	Good	Desc	Mort	Total	Sthd	Good	Desc	Mort	Total	Good	Desc	Mort	Total	Good	Desc	Mort	Total	
4/5/23	1			1				1,988	22	2,010						0				0				0				0	2,011	
4/12/23	20			20				2,931	33	2,964						0				1				1				0	2,985	
4/19/23	13	1	1	14				1,390	7	1,397						2				1				1				0	1,414	
4/26/23	8			8				1,011	1	1,012						0				1				1				0	1,021	
5/3/23	4	1		5				252	1	253	1	1	1			3				11				11				0	272	
5/10/23	18	1	1	19	2			146		148	1			1		2				8				1				0	178	
5/17/23				0					0							0									0				0	0
5/24/23				0					0							0									0				0	0
5/31/23				0					0							0									0				0	0
6/7/23				0					0							0									0				0	0
6/14/23				0					0							0									0				0	0
6/21/23				0					0							0									0				0	0
6/29/23				0					0							0									0				0	0
7/5/23				0					0							0									0				0	0
7/12/23				0					0							0									0				0	0
7/19/23				0					0							0									0				0	0
7/26/23				0					0							0									0				0	0
Season Total	64	1	2	67	2	0	0	7,718	64	7,784	2	0	1	3	0	1	7	21	0	2	23	0	0	0	0	0	7,881			

Section 4. Incidental Catch

Date	Crappie	Morts	Bullhead	Mort	Bass	Catfish	Mort	Mountain Whitefish	Mort	Bluegill	Mort	Lamprey-Ad	Mort	Lamprey-Pac Amo	Mort	Lamprey-Pac Mac	Mort	Mysid shrimp	Mort	N Pkeminnow	Mort	Pearmouth	Mort	Perch	Mort	Siberian Prawn	Mort	Sculpin	Mort	American Shad	Mort	Walleye	Mort	Sucker	Mort	Banded Killifish	Mort	TOTAL GOOD	Total Morts	Grand Total
5-Apr															13		2			1															15	0	15			
12-Apr																			1																5	0	5			
19-Apr																			1																7	0	7			
26-Apr																			1																5	0	5			
3-May																																			5	0	5			
10-May		1								1						4	2			1		2											17	0	17					
17-May																			4	1	3													0	0	0				
24-May																																		0	0	0				
31-May																																		0	0	0				
7-Jun																																		0	0	0				
14-Jun																																		0	0	0				
21-Jun																																		0	0	0				
29-Jun																																		0	0	0				
5-Jul																																		0	0	0				
12-Jul																																		0	0	0				
19-Jul																																		0	0	0				
26-Jul																																		0	0	0				
Sub Total	0	0	0	0	1	0	0	0	0	1	0	0	0	0	17	0	5	0	0	0	8	0	3	0	8	0	0	0	11	0	0	0	0	54	0	54				
Total	0	0	0	1	0	0	0	0	0	1	0	0	0	0	17	5	0	0	8	0	3	8	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0			

Section 5. Detailed Condition Data

As pictured below, four Chinook with injuries that could be passage related, two of which (far right) could be attempted predation injuries. One steelhead with fungal infection and one steelhead that jumped out of the tank.

Section 6. Pictures



Two yearling Chinook (*Oncorhynchus tshawytscha*) one with an eye injury, the other missing a caudal fin and a peduncle covered in fungus.



Collection tank with side extensions in place. Notice the gap indicated by the arrow.



View of the tank and the area where the 3 morts were found.



Pacific lamprey (*Entosphenus tridentatus*),
macrophthalmia on top, ammocoetes on the bottom

Hatchery steelhead (*O. mykiss*) with fungal growth around the gills.

