

# Northern Wasco County PUD

Fish Condition Weekly Report #23-05

0800 Tuesday, May 2, 2023 - 0800 Wednesday, May 3, 2023.

Project Biologist: Rick Martinson

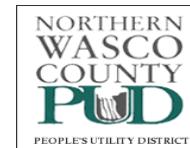
## Section 1. Comments

A complete 24 hour sample was collected this week. Debris was moderate, consisting mostly of small sticks and filamentous algae.

Subyearling Chinook fry are still present but at lower numbers. There were several injuries this week and one descaled Chiook (see pictures) that were fresh and could be passage related. One steelhead mort that jumped out of the tank. This is rare but vertical net extensions will be added to the tank to prevent this in the future. River flow roughly doubled this week, spill continues at about 40% of river flow and water temperature climbed to 52.4°F.

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

	Spill					
	River Flow	Powerhouse	Kcfs	% of River	Forebay	River Temp (°F)
This Week	258.6	150.2	102.6	39.7	158.2	52.4
Last Week	131.9	73.4	52.7	39.9	158.4	49.8



## Section 3. Sample Numbers

Date	Subyearling Chinook						Steelhead						Total- All Species												
	Yearling Chinook			Non Fry			Chinook Fry			Unclipped			Clipped												
	Good	Desc	Mort	Total	Good	Desc	Mort	Good	Chin 0	Good	Desc	Mort	Good	Desc	Mort	Total	Sthd	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	1			0	2,985				
4/19/23	13	1		14				1,390	7	1,397			2	2	1	1	1			0	1,414				
4/26/23	8			8				1,011	1	1,012			0		1	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				0				0		0			0		0	0				0	0				
5/17/23				0				0		0			0		0	0				0	0				
5/24/23				0				0		0			0		0	0				0	0				
5/31/23				0				0		0			0		0	0				0	0				
6/7/23				0				0		0			0		0	0				0	0				
6/14/23				0				0		0			0		0	0				0	0				
6/21/23				0				0		0			0		0	0				0	0				
6/29/23				0				0		0			0		0	0				0	0				
7/5/23				0				0		0			0		0	0				0	0				
7/12/23				0				0		0			0		0	0				0	0				
7/19/23				0				0		0			0		0	0				0	0				
7/26/23				0				0		0			0		0	0				0	0				
Season Total	46	1	1	48	0	0	0	7,572	64	7,636	1	0	1	3	0	0	5	13	0	1	14	0	0	0	7,703

## Section 4. Incidental Catch

Date	Crappie	Morts	Bullhead	Mort	Bass	Mort	Catfish	Mort	Mountain Whitefish	Mort	Bluegill	Mort	Lamprey-Ad	Mort	Lamprey-Pac Amo	Mort	Lamprey-Pac Mac	Mort	Mysid shrimp	Mort	N. Pkenninnow	Mort	Peanmouth	Mort	Perch	Mort	Siberian Prawn	Mort	Sculpin	Mort	American Shad	Mort	Walleye	Mort	Sucker	Mort	Banded Killifish	Mort	<b>TOTAL GOOD</b>	Total Morts	<b>Grand Total</b>
5-Apr																																			15	0	15				
12-Apr																																			5	0	5				
19-Apr																																			7	0	7				
26-Apr																																			5	0	5				
3-May																																			5	0	5				
10-May																																			0	0	0				
17-May																																			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				
<b>Sub Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	3	0	0	0	4	0	2	0	5	0	0	0	10	0	0	0	0	37	0	37						
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	13	3	0	0	0	4	2	2	5	0	0	0	10	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



Hatchery steelhead (*Oncorhynchus mykiss*) with fungus.



Chinook salmon (*O tshawytscha*) with body injury, fungus and a caudal fin clip.



Chinook salmon (*O tshawytscha*) with body injury.



Unclipped steelhead (O Mykiss) jumped out of tank,  
not discovered in time to be saved.

Descaled Chinook (*O tshawytscha*)

Chinook salomon (*O tshawytscha*) with body injury.