

Northern Wasco County PUD

Fish Condition Weekly Report #23-03

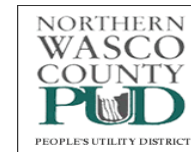
0800 Tuesday, April 18, 2023 - 0800 Wednesday, April 19, 2023.

Project Biologist: Rick Martinson

Section 1. Comments

This week's sample was about 1 hour longer to facilitate screen fine tuning and a tour group from the PUD. Subyearling Chinook fry numbers declined but were still high despite spilling about 40% of river flow. Water temp rose about two degrees to 47.5⁰F. There was an increase in yearling Chinook this week, two of which had fungus and one of those was a mortality. Fry mortality declined to about 0.05% this week. Observation confirms that fry mortality occurs when fry are impinged on the dewatering perf plate in the collection tank. We continue to explore ideas to address this problem. It is not a problem for healthy yearling fish.

	River Flow	Powerhouse	Spill		Forebay	River Temp (°F)
			Kcfs	% of River		
This Week	132.2	73.4	53.0	40.1	158.9	47.5
Last Week	127.0	70.7	50.6	39.8	158.8	45.8



Section 3. Sample Numbers

Date	Yearling Chinook				Subyearling Chinook							Steelhead										Coho				Sockeye				Total- All Species
					Non Fry			Chinook Fry		Total Chin 0	Unclipped			Clipped			Total Sthd													
	Good	Desc	Mort	Total	Good	Desc	Mort	Good	Mort		Good	Desc	Mort	Good	Desc	Mort		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				0	2,985
4/19/23	13		1	14				1,390	7	1,397				2			2	1			1				0				0	1,414
4/26/23				0						0							0				0				0				0	0
5/3/23				0						0							0				0				0				0	0
5/10/23				0						0							0				0				0				0	0
5/17/23				0						0							0				0				0				0	0
5/24/23				0						0							0				0				0				0	0
5/31/23				0						0							0				0				0				0	0
6/7/23				0						0							0				0				0				0	0
6/14/23				0						0							0				0				0				0	0
6/21/23				0						0							0				0				0				0	0
6/29/23				0						0							0				0				0				0	0
7/5/23				0						0							0				0				0				0	0
7/12/23				0						0							0				0				0				0	0
7/19/23				0						0							0				0				0				0	0
7/26/23				0						0							0				0				0				0	0
Season Total	34	0	1	35	0	0	0	6,309	62	6,371	0	0	0	2	0	0	2	2	0	0	2	0	0	0	2	0	0	0	0	6,410

Section 4. Incidental Catch

Date																												TOTAL GOOD	Total Morts	Grand Total												
	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 Pikeminnow	Mort	Peamouth	Mort	Perch	mort	Siberian Prawn				Mort	Sculpin	Mort	American Shad	Mort	Walleye	Mort	Sucker	Mort	Banded Killifish	Mort	
5-Apr															13													2												15	0	15
12-Apr																	2					1							2											5	0	5
19-Apr																					1					4				2										7	0	7
26-Apr																																								0	0	0
3-May																																								0	0	0
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
Sub Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	2	0	0	0	2	0	0	0	4	0	0	0	6	0	0	0	0	0	0	0	0	0	0	27	0	27
Total	0		0		0		0		0		0		0		13		2		0		2		0		4		0		6		0		0		0		0					

Also sampled one 3 spine stickleback.

Section 5. Detailed Condition Data

Two chinook with fungus, one with old eye injury, not passage related conditions.

Section 6. Pictures



Moribund yearling Chinook with fungus.



Yearling Chinook mort with eye injury and fungus.

