

Northern Wasco County PUD

Fish Condition Weekly Report #23-14

0800 Wednesday, July 5, 2023 - 0800 Thursday, July 6, 2023.

Project Biologist: Rick Martinson

Section 1. Comments

The sample period was moved for the holiday.

A complete 24 hour sample was collected this week resulting in a single subyearling Chinook mortality found on the concrete outside the tank.

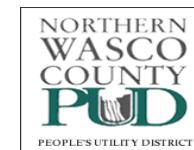
The net barriers were up so I'm not sure how it escaped.

Debris was moderate, river flow about the same but water temperature shot up to 69.1°F, up from 65°F last week.

The transparent shad larvae arrived this week, numbering in the hundreds. Tiny small mouth bass were also present.

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

	River Flow		Powerhouse	Spill		Forebay	River Temp (°F)
	Kcfs	% of River		Kcfs	% of River		
This Week	140.4	78.7		56.0	39.9	158.8	69.1
Last Week	144.9	81.8		57.3	39.6	158.7	65.0



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	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	2,011					
4/12/23	20			20				2,931	33	2,964						0	1		1		0	2,985				
4/19/23	13	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		19	2			146		148	1					1	2	8	1	9		0	178			
5/17/23	18	1		19	4			79		83						0	2		2	1		1	105			
5/24/23	3			3	11			147		158						0	1		1			0	162			
5/31/23	2			2	2			38	4	44						0			0			0	46			
6/7/23	2			2	5			50	4	59						0			0			0	61			
6/13/23				0	8	3			11							0		1	1			0	12			
6/21/23				0	2				2							0			0			0	2			
6/28/23				0	1				1							0			0			0	1			
7/6/23				0		1			1							0			0			0	1			
7/13/23				0				0								0			0			0	0			
7/20/23				0				0								0			0			0	0			
7/27/23				0				0								0			0			0	0			
Season Total	89	2	2	93	35	0	4	8,032	72	8,143	2	0	1	3	0	1	7	24	0	3	27	1	0	0	1	8,271

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 Pike minnow	Mort	Pearl	Mort	Siberian Prawn	Mort	Sculpin	Mort	American Shad	Mort	Walleye	Mort	Banded Killifish	Mort	Sucker	Mort		TOTAL GOOD	Total Morts	Grand Total		
5-Apr																13																			15	0	15					
12-Apr																	2																		5	0	5					
19-Apr																		1																	7	0	7					
26-Apr																	1																		5	0	5					
3-May																	1																		5	0	5					
10-May				1				1				4		2			4		1	3														17	0	17						
17-May				6				1				6		20			3																	42	0	42						
24-May		1	3					1								3	1	10	1															28	1	29						
31-May								2								1		1																	11	1	12					
7-Jun				1				3				1	1	1	1																			1	8	1	9					
13-Jun				1				1					3			2		1																1	11	0	11					
21-Jun			1	3				1						2		4																		10	4	14						
28-Jun				4												2																			14	0	14					
6-Jul		1	281															146		1														1433	0	1433						
13-Jul																																			0	0	0					
20-Jul																																			0	0	0					
27-Jul																																			0	0	0					
Sub Total	0	0	2	0	298	3	0	0	9	0	1	0	4	1	27	0	41	1	0	0	23	0	156	0	9	0	16	1	14	1	1001	0	3	0	4	0	3	0	1,611	7	1,618	
Total	0		2		301		0		9		1		5		27		42		0		23		156		9		17		15		1001		3		4		3					

Section 5. Detailed Condition Data

No injuries to report.

Section 6. Pictures



American shad (*Alosa sapidissima*) larvae/juvenile age, similar to the one pictured above, showed up in large quantities this week.
Photo courtesy of Greg Kovalchuck, Biologist, PSMFC