



Nez Perce Tribe

Department of Fisheries Resources Management

Joseph Field Office • 500 N. Main St. • P.O. Box 909 • Joseph, OR 97846



Lostine River Weir

End of Season Chinook Summary: Return Year 2023

December 11, 2023

Disposition Summary

- In-season adult return-to-tributary estimates were updated on June 21, 2023 to 262 natural-origin and 544 hatchery-origin adults.
- Brood stock collection goals are 48 natural-origin adults, 112 hatchery-origin adults, and 6 hatchery-origin jacks.
- Composition of adults passed upstream: 48% Hatchery (Sliding scale goal $\leq 50\%$)
- Composition of adults kept for brood: 31% Natural (Sliding scale goal $\geq 30\%$)

Table 1: Return year 2023 capture and disposition summary of Hatchery Chinook Salmon (Numbers in parentheses exclude recaptures).

Disposition	J	F	M	Total [>630]	Total [all]
Upstream Release	5 (5)	63 (63)	81 (81)	144 (144)	149 (149)
Brood Collection	6 (6)	57 (57)	57 (57)	114 (114)	120 (120)
Food Distribution	25 (24)	0 (0)	1 (1)	1 (1)	26 (25)
Wallowa River Outplant	18 (18)	31 (31)	66 (66)	97 (97)	115 (115)
Recycled to Fishery	1 (1)	0 (0)	0 (0)	0 (0)	1 (1)
Mortality	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Total	55 (54)	151 (151)	205 (205)	356 (356)	411 (410)

Table 2: Return year 2023 capture and disposition summary of Natural Chinook Salmon (Numbers in parentheses exclude recaptures).

Disposition	J	F	M	Total [>630]	Total [all]
Upstream Release	22 (22)	67 (67)	92 (92)	159 (159)	181 (181)
Brood Collection	0 (0)	27 (27)	24 (24)	51 (51)	51 (51)
Food Distribution	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Wallowa River Outplant	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Recycled to Fishery	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Mortality	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Total	22 (22)	94 (94)	116 (116)	210 (210)	232 (232)

Table 3: Return year 2023 weekly summary of captured adult Chinook Salmon and Bull Trout, excluding recaptures. Broodstock collection for Chinook Salmon is shown in parenthesis. *Asterisk indicates an incomplete week.

Week Start	Natural Chinook	Hatchery Chinook	Bull Trout
< Jun 11	0 (0)	0 (0)	1
Jun 11	8 (4)	4 (3)	12
Jun 18	11 (1)	14 (9)	4
Jun 25	7 (2)	14 (5)	6
Jul 02	39 (15)	66 (38)	9
Jul 09	71 (18)	157 (39)	16
Jul 16	24 (0)	44 (1)	4
Jul 23	8 (0)	8 (0)	0
Jul 30	5 (1)	12 (2)	0
Aug 06	5 (1)	8 (4)	0
Aug 13	2 (0)	5 (0)	0
Aug 20	3 (2)	7 (6)	0
Aug 27	9 (4)	5 (3)	0
Sep 03	14 (2)	8 (3)	0
Sep 10	3 (0)	4 (1)	0
Sep 17	1 (1)	0 (0)	0
Total	210 (51)	356 (114)	52

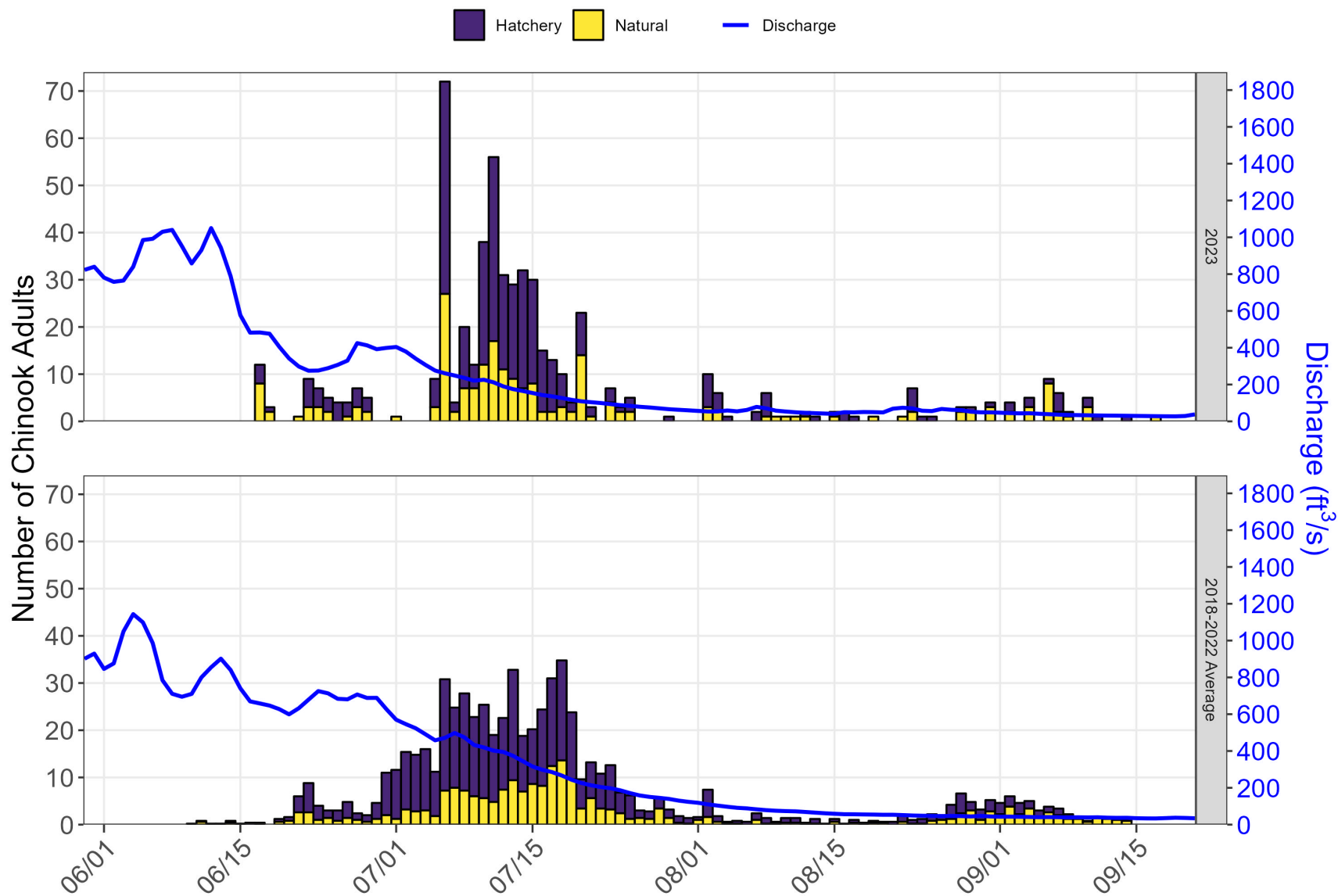


Figure 1: Return year 2023 (top panel) and five-year average (bottom panel) of mean daily discharge (cubic feet per second) and daily captures of hatchery- and natural-origin adult Chinook salmon at the Lostine River Weir. Discharge recorded at USGS station 1333000 located upstream of the town of Lostine.

Distribution List

Beals, S (ODFW)	Johnson, D (NPT)
Brady, A (BPA)	Kozlowski, C (ODFW)
Brandt, E (ODFW)	Lance, M (ODFW)
Bratcher, K (ODFW)	Lemanski, J (ODFW)
Brigante, E (ODFW)	Maxwell, A (TU)
Bronson, P (CTUIR)	McLean, M (CTUIR)
Bonifer, J (CTUIR)	Nisbitt, K (Wallowa CTY)
Craft, N (ODFW)	Oatman, J (NPT)
Deal, D (ODFW)	Robertson, M (FWS)
Engle, R (FWS)	Rumelhart, R (NPT)
Farnam, B (NOAA)	Ruzycki, J (ODFW)
Feldhaus, J (ODFW)	Treadway, E (ODFW)
Garza, Gabriel (ODFW)	Smith, J (ODFW)
Gee, S (ODFW)	Vatland, S (NPT)
Gibbs, A (ODFW)	Vogel, J (NPT)
Greiner, M (ODFW)	Watry, C (NPT)
Hagenah, P (Landowner)	Wiese, N (USFWS)
Harbeck, J (NPT)	Wolfe, W (Landowner)
Harrod, R (ODFW)	Yanke, J (ODFW)
Hesse, J (NPT)	Yearout, J (NPT)
Humphreys, J (TU)	Young, B (NPT)
Johnson, B (NPT)	Zollman, R (NPT)

Please direct questions regarding content of this report to:

Brian Simmons
Grande Ronde Supplemenetation Monitoring and Evalutation
Fisheries Biologist II
541-432-2515
brians@nezperce.org

or

Shane Vatland
Grand Ronde Supplementation Monitoring and Evaluation
Project Leader
541-432-2508
shanev@nezperce.org

Nez Perce Tribe
Joseph Field Office
500 North Main Street
P.O.Box 909
Joseph, OR 97846