



Nez Perce Tribe

Department of Fisheries Resources Management

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Lostine River Weir

End of Season Chinook Summary: Return Year 2023

October 24, 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 | 21 (21) | 67 (67) | 92 (92) | 159 (159) | 180 (180) |
| 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 | 21 (21) | 94 (94) | 116 (116) | 210 (210) | 231 (231) |

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 |

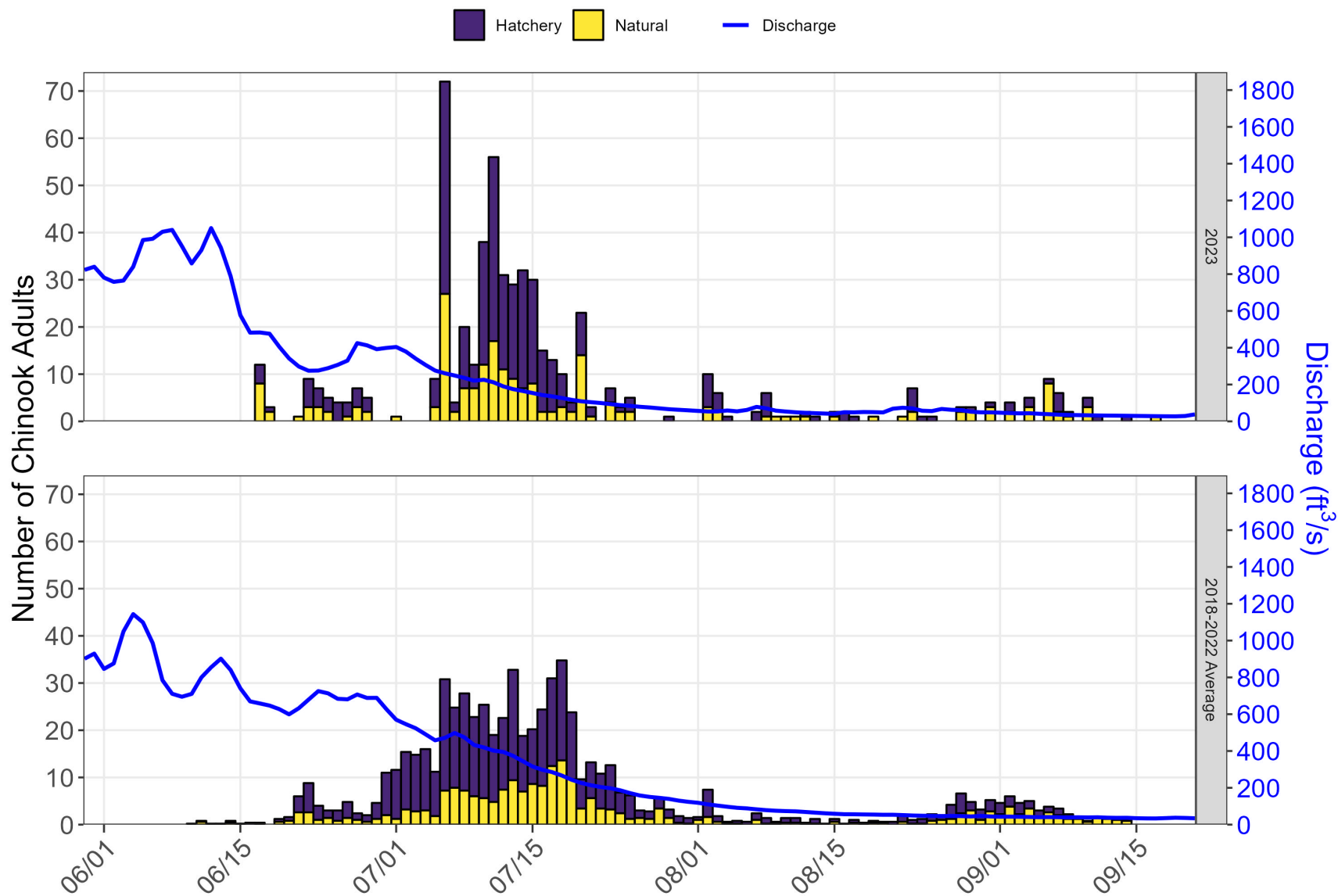


Figure 1: Return year 2023 (top panel) and five-year average (bottom panel) of mean daily discharge (cubic feet per second) and daily captures of hatchery- and natural-origin adult Chinook salmon at the Lostine River Weir. Discharge recorded at USGS station 1333000 located upstream of the town of Lostine.

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) |

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