



# Nez Perce Tribe

## Department of Fisheries Resources Management



Administration • Enforcement • Habitat/Watershed • Harvest • Production • Research • Resident Fish  
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TO: List  
FROM: Jason Vogel  
DATE: June 7, 2007  
SUBJECT: May 2007 Update for the Imnaha River Subbasin Steelhead Weirs

### Operations through the end of May 31, 2007

The Lightning and Cow creek bi-directional adult steelhead weirs operated continually during the month of May except for partial days on May 1, 11 and 13 and all day on the 12<sup>th</sup> in Lightning Creek. Upstream fish are marked with a numbered opercular disk tag to facilitate a mark recapture study. Fish captured in the downstream box are checked for marks and passed downstream.

The Lightning Creek weir marked and passed 11 unique adult steelhead upstream (one was a hatchery fish) and passed 11 unique fish (one was a hatchery fish) downstream of which 5 were mortalities. Nine recaptured steelhead (two were hatchery fish) were passed downstream in Lightning Creek of which five were mortalities. The Cow Creek bi-directional weir passed six unique steelhead upstream and passed two unique and five recaptured steelhead downstream. One of the unique downstream fish and three of the downstream recaptures were mortalities. See Table 1 for detailed breakouts of sex and origin type and Table 2 for the summary of captures to date for 2007.

Table 1. May 2007 capture summary of steelhead at Nez Perce Tribal weir sites in Lightning and Cow Creeks of the Imnaha River subbasin.

May	Lightning Creek (upstream)	Lightning Creek (downstream)	Cow Creek (upstream)	Cow Creek (downstream)
Natural Adult Male	4	6	4	2
Natural Adult Female	6	11	2	5
Natural Jacks	0	0	0	0
Hatchery Adult Male	0	0	0	0
Hatchery Adult Female	1	3	0	0
Hatchery Jacks	0	0	0	0
Total Captured	11	20	6	7

Table 2. Cumulative 2007 capture summary of steelhead at Nez Perce Tribal weir sites in Lightning and Cow Creeks of the Imnaha River subbasin through May 31, 2007.

	Lightning Creek (upstream)	Lightning Creek (downstream)	Cow Creek (upstream)	Cow Creek (downstream)
Natural Adult Male	22	8	14	3
Natural Adult Female	20	16	12	5
Natural Jacks	0	0	0	0
Hatchery Adult Male	1	0	2	0
Hatchery Adult Female	3	3	1	0
Hatchery Jacks	0	0	0	0
Total Captured	46	27	29	8

*NOTES*

- 1) Lightning Creek weir trapping started on February 28, 2007.
- 2) Cow Creek weir trapping started on March 1, 2007.
- 3) All first time captured fish are scanned for CWT and PIT Tags and checked for external marks. They receive a double LOP (left opercle punch used as a genetic sample) and a Tyvek Disc tag on their right opercle.
- 4) Male/female distinction based on morphometric characters.
- 5) Monthly report data summaries should be considered preliminary. Ongoing database validation/corrections may result in slight discrepancies from month to month.

**LIST:**

<u>NPT</u>	<u>ODFW</u>	<u>WDFW</u>	<u>IDFG</u>	<u>USFWS</u>	<u>CTUIR</u>
Kucera	Carmichael	Schuck	Sharr	Kraker	Zimmerman
Blenden	Knox	Bumgarner	Brindza	Starr	Boe
Espinosa	Smith	Mayer		Froscher	
Harbeck	Patterson			Marshall	
D. Johnson	Flesher				
Larson					
B. Johnson					
Jones					
Hesse					