



Nez Perce Tribe

Department of Fisheries Resources Management

Administration • Enforcement • Habitat/Watershed • Harvest • Production • Research • Resident Fish
RESEARCH DIVISION

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October 20, 2006

To: Mr. Scott Marshall, LSRCP
From: Jason Vogel, Nez Perce Tribe
Subject: Nez Perce Tribe LSRCP Quarterly Activity Report for July-September 2006

Project Administration

Activities listed below attended and completed by Jason Vogel unless denoted otherwise.

Attended Natural Resources Leadership Project #4 put on by Progress Associates. September 11-14; White Cloud, MI.

Attended DFRM Ad Hoc meetings with the purpose of developing the DFRM Strategic Management Plan. Meeting Dates July 25, August 8, and September 7.

Attended the IRMP strategic Management Plan Meeting July, 2006.

Select Staff attended survival model training (SURPH, PIT Pro, Roster, and others), sponsored by the Nez Perce Tribe and put on by the University of Washington Staff. Training was held in Lapwai, ID on July 17-18, 2006.

All staff completed mandatory drug and alcohol, defensive driving, and diversity training.

All LSRCP employees attended the NPT Spawning Ground Workshop in McCall, Idaho on August 10-11, 2006.

Completed final spending to close out Fiscal Year 2006 Budget. Budgets for all three projects (Harvest, O&M, and M&E) were 100% spent for FY 06.

Field Activities and Data Collections

Adult Spawning Ground Surveys

NPT LSRCF perform multiple pass redd/carcass surveys below the LSRCF adult facility on the South Fork Salmon River, and in upper Big Creek (Tables 1 & 2). LSRCF staff also assist Oregon Department of Fish and Wildlife with multiple pass redd surveys in the Imhaha and Grande Ronde Basins.

Table 1. Number of chinook salmon redds, live fish, carcasses, and redds per kilometer observed in the South Fork Salmon River in 2006, while performing multiple pass redd/carcass surveys.

Stream Section Sampled	Date (mm/dd/yy)	New Redds	Number of Live Fish	Number of Carcasses	Total Redds per Kilometer
Fish Weir to Dime Creek (5 km)	8/15/06	1	8	0	
	8/29/06	47	42	3	
	9/5/06	2	18	11	
	9/13/06	3	3	2	10.6
Dime Creek to unnamed trib. (6.3 km)	8/15/06	0	12	0	
	8/29/06	37	27	1	
	9/5/06	27	84	8	
	9/13/06	41	4	17	16.7
Poverty Flat to 0.2 km below gauge (1.1 km)	8/30/06	19	31	6	
	9/6/06	20	25	10	
	9/13/06	5	4	6	
	9/19/06	NA	NA	2	40.0
Lodgepole CG to Phoebe Creek bridge (6.7 km)	8/30/06	27	36	2	
	9/6/06	10	30	16	
	9/12/06	35	9	20	
	9/19/06	NA	NA	1	10.7
Total		274		105	

Table 2. Number of chinook salmon redds, live fish, carcasses, and redds per kilometer observed in upper Big Creek in 2006, while performing multiple pass redd/carcass surveys.

Stream Section Sampled	Date (mm/dd/yy)	New Redds	Number of Live Fish	Number of Carcasses	Total Redds per Kilometer
Smith Creek to Logan Cr. (4.7 km)	7/31/06	0	0	0	
	8/14/06	1	3	1	
	8/28/06	2	0	0	0.6
Logan Cr. To Jacobs Ladder (5.6 km)	7/31/06	3	8	0	
	8/14/06	7	23	0	
	8/22/06	NA	NA	2	
	8/28/06	2	1	1	2.1
Total		15		4	

Adult Spawning

LSRCP O&M staff took the lead in spawning 98 Imhaha River spring/summer Chinook females (490,000 green eggs) at Lookingglass Hatchery.

Adult Salmonid Gamete Preservation Collections.

Table 3. LSRCP staff assisted with the collection of Chinook gametes for long term storage (cryopreservation). Table is a summary of 2006 collections.

Location	Natural- Origin	Hatchery- Origin	Total
Big Creek	9	0	9
Lake Creek	8	0	8
Marsh Creek	15	0	15
Capehorn Creek	1	0	1
Johnson Creek	28	5	33
SFSR	1	0	1
Lostine River	10	6	16
Grande Ronde River	3	10	13
Catherine Creek	8	4	12
Minam River	2	0	2
Imnaha River	15	5	20
Upper Salmon River	11	2	13
Total	111	32	143

Annual Report Submittals/Progress

Nez Perce Harvest Monitoring, Annual Report was completed, paper (2) and electronic copies provided to LSRCP and placed on their website. (Authors: David Statler, Aaron Gould and Joseph Oatman of Nez Perce Tribe and Rishi Sharma of Columbia River Inter-Tribal Fish Commission).

Salmonid Gamete Preservation in the Snake River Basin, 2005 Annual Report was completed, paper (2) and electronic copies provided to LSRCP and placed on their website, (Author: William P. Young, PhD, Nez Perce Tribe).

Emigration of Natural and Hatchery Chinook Salmon and Steelhead Smolts from the Imnaha River, Oregon from October 1, 2003 to June 27, 2004, 2004 Annual Report was completed, paper (2) and electronic copies provided to LSRCP for placement on their website, (Authors: Brian Michaels, Neal Espinosa, and Rick Orme).

Currently working on a Lower Snake River Compensation Plan Hatchery Evaluation Studies Annual Project Report 1996-2005. This report will include adult activities in Upper Big Creek and in South Fork Salmon River (with associated tributaries) for a 10 year period, (Authors: Jason Vogel, Paul Kucera, Mike Blenden, and Jay Hesse).

Future Activities

Continue with data summary and analysis of LSRCP data for inclusion in annual reports.

Continue to participate in the development of Nez Perce Tribe Department of Fisheries Resources Management strategic management plan process.

Jason Vogel will be attending a Natural Resources Leadership Project Class in White Cloud Michigan on December 4-7, 2006.

Imnaha River juvenile screw trapping operations scheduled to begin October 1, 2006 and run through mid December.

Continue standardization of methods and implementation of juvenile database through the Nez Perce Tribe Juvenile Technical Team.

All staff to attend DFRM-Research Division Retreat December 12, 2006 and DFRM Division Retreat December 13-14, 2006.

Complete final contracting with USFWS for fiscal year 2007.