

IDAHO DEPARTMENT OF FISH AND GAME
McCALL SUMMER CHINOOK HATCHERY
April 2010 Monthly Narrative
Steve Kammeyer

South Fork Salmon River SU Production

Brood Year 2008

Reserve smolts numbering 1,037,600 (49,550 lbs) were transported and release into the SFSR, at Knox Bridge, during the period of March 23-25, 2010. Final release numbers, by mark type, are listed below.

BY08 SFSR Total Production	
Mark Type Released	Number Released
<i>Fall 2008 SBT Egg Boxes</i>	
Eyed Eggs (Reserve)	322,620
<i>Fall 2009 Excess Parr Release</i>	
(AD-clip only)	180,000
<i>Spring 2010 Smolt Release</i>	
AD-clip only	781,994
AD-clip w/ CWT	203,820
AD-clip w/ PIT	51,786
Smolt Release Sub-total	1,037,600
Total Eyed Egg Transferred	322,620
Total Fall Excess Parr Released	180,000
Total Smolt Release	1,037,600
BY08 SFSR SU Production	1,540,220

Brood Year 2009

There are 1,076,066 SFSR SU fry being reared in 12-indoor early rearing vats which are averaging 362.4 fpp (2.10 inch TL) in size. During April these fish were fed 698.9 pounds of feed resulting in a conversion of 0.63 (0.64 to date). Ending density and flow indices averaged 0.37 and 0.81, respectively. All rearing vats for these fry have been extended to full length by the end of the month. Water temperatures increased slightly during the month, and averaged 38.6 degrees Fahrenheit.

	Number	Total Length (inch)	Fish/Pound	Total Mortality		Feed Conversion		Density Index	Flow Index	30-d Length (inch)
				Month	To Date	Month	To Date			
BY09 SFSR SU	1,076,066	2.10	362.4	3,351	1.10%	0.63	0.64	0.37	0.81	0.30
BY09 Johnson Creek SU	107,617	2.11	352.5	222	1.83%	0.70	0.69	0.52	0.54	0.28

Johnson Creek SU Production

Brood Year 2008

Nez Perce fishery personnel transported/ released 49,198 Johnson Creek origin summer Chinook smolts into Johnson Creek (near Wapiti Ranch) over the period of April 5-6, 2010 at an approximate release size of 29.10 fpp (4.69 inch TL) in size. These fish represent the “late” release group which was a part of the split release study design trying to explore reasons for differences in outmigration survival to Lower Granite Dam as compared to the SFSR SU releases. The final release numbers for this brood year, split out by mark type, are provided below.

BY08 Johnson Creek SU Release Data

<u>Mark Type Released</u>	<u>Number Released</u>
Early Release March 15-17, 2010	
CWT Only	24,017
CWT/ PIT	1,093
CWT/ VIE	24,215
CWT/ VIE/ PIT	1,095
Sub-total	50,420
Late Release April 5-6, 2010	
CWT Only	23,846
CWT/ PIT	1,142
CWT/ VIE	23,128
CWT/ VIE/ PIT	1,082
Sub-total	49,198
BY08 JC SU Production	99,618

Brood Year 2009

Johnson Creek origin summer Chinook fry currently number 107,617 and average 352.5 fpp (2.11 inch TL) in size. During April these fry were fed 73.3 pounds of feed resulting in a conversion of 0.70 (0.69 to date). Two indoor early rearing vats continue to be used for the Johnson Creek fry and remain set at ½ length. Ending density and flow indices average 0.52 and 0.54, respectively.