

**IDAHO DEPARTMENT OF FISH AND GAME**  
**McCALL SUMMER CHINOOK HATCHERY**  
**April 2009 Monthly Narrative**  
Steve Kammeyer

**South Fork Salmon River SU Production**

**Brood Year 2007**

The breakdowns for mark groups comprising the hatchery smolt release number were changed to reflect a CWT shed rate of 1.72% or 4,580 smolts. No retention checks were made due to mixed rearing conditions with AD-clip only fish. Instead the shed rate, determined for the Johnson Creek salmon by NPT Fishery Personnel, was applied as a reasonable estimation. Reported release numbers for future brood years will incorporate a CWT shed rate. Also, release PIT tag numbers were adjusted down by 4 fish due to four duplicate records being removed.

<u>SFSR BY07 Release Data – Eyed Eggs and Smolts</u>	
<u>Mark Type Released</u>	<u>Number Released</u>
<i>Fall 2007 Eyed Egg Box - SBT</i> Eyed Eggs (Reserve)	None due to Fire Activity (190 F & 195M released near Roaring Creek in lieu of Request)
<i>March 2009 Smolt Release</i>	
Ad clip only	793,256
Ad clip w/ CWT	261,750
Ad clip w/ PIT	51,694
<i>Smolt release Subtotal</i>	1,106,700
<b>Total SFSR BY07 SU Release</b>	<b>1,106,700</b>

**Brood Year 2008**

There are 1,202,664 SFSR SU fry being reared in 12-indoor early rearing vats which are averaging 527.9 fpp (1.85 inch TL) in size. During April, these fry were feed 638.7 pounds of feed resulting in a conversion of 0.76 (0.79 to date). Ending density and flow indices averaged 0.32 and 0.75, respectively. All rearing vats were extended to full length by the end of the month. Water temperatures increased to 39 degrees Fahrenheit by the end of the month following Payette Lake ice-off which has improved the feeding response of the fry.

	Number	Total Length (inch)	Fish/ Pound	Total Mortality		Feed Conversion		Density Index	Flow Index	30-d Length (inch)
				Month	To Date	Month	To Date			
BY08 SFSR SU	1,202,664	1.85	527.9	3,544	0.92%	0.76	0.79	0.32	0.75	0.27
BY08 Johnson Creek SU	101,454	1.89	494.5	269	1.23%	0.94	0.90	0.39	0.35	0.24

**Johnson Creek SU Production**

**Brood Year 2008**

Johnson Creek origin summer Chinook fry currently number 101,454 and average 494.5 fpp (1.89 inch TL) in size. During April these fry were fed 64.6 pounds of feed resulting in a conversion of 0.94 (0.90 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 0.39 and 0.35, respectively.