

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

South Fork Salmon River SU Production

Brood Year 2008

There are currently 1,040,201 SFSR SU parr being reared in the 2-outdoor rearing ponds (208,243AD/CWT and 831,958 AD-clip only). These fish average 31.9 fpp (4.61 inch TL) in size. During September the SFSR SU parr were fed 9,326 pounds of feed resulting in an average conversion of 0.82 for the month (0.77 to date). Hatchery intake water temperatures averaged 49.4 degrees Fahrenheit during September.

Hatchery personnel conducted a fall parr release of excess SFSR SU from Pond 1 (AD-clip only) into the SFSR near the Trap water intake structure on September 28-29, 2009. A total of 180,000 SFSR SU parr (31.50 fpp) were released at this time. The remaining SFSR SU will be reared to "smolt" and released back into the SFSR, Knox Bridge, at the end of March 2010.

	Number	Fish/ Pound	Total Length (inch)	Total Mortality		Feed Conversion		Density Index	Flow Index	30-d Length (inch)
				Month	To Date	Month	To Date			
BY08 SFSR SU										
Pond 1	520,990	31.50	4.63	196	2.31%	0.81	0.77	0.15	1.11	0.43
Pond 2	<u>519,211</u>	<u>32.32</u>	<u>4.59</u>	<u>74</u>	<u>2.89%</u>	<u>0.84</u>	<u>0.77</u>	<u>0.15</u>	<u>1.09</u>	<u>0.52</u>
	1,040,201	31.91	4.61	270	2.60%	0.82	0.77	0.15	1.10	0.47
BY08 Johnson Creek SU	100,670	39.62	4.28	129	2.05%	0.65	0.76	0.32	0.78	0.51

Johnson Creek SU Production

Brood Year 2008

Johnson Creek origin summer Chinook parr currently number 100,670 and average 39.62 fpp (4.28 inch TL) in size. During September, 565.1 pounds of feed was fed to these fish resulting in a conversion of 0.65 for the month (0.76 to date). To reduce rearing densities, a portion of the parr from each of the 4 uniquely CWT vats were moved into 4 additional vats set at ½ length on September 17th.

Fishery personnel from the NPT have indicated they will move the Johnson Creek parr out into the outdoor collection basin during the last week of October. At this time approximately ½ of these fish will be VIE elastomer tagged as part of a survival study to Lower Granite Dam.

South Fork Salmon River Trap

Trapping operations were concluded on September 11th, 2009 with the removal of weir panels blocking the SFSR, turning off water to the Trap and removal of pond dam boards. The last fish trapped/ processed through the SFSR Trap in 2009 occurred on September 9th. A total of 9,740 returning SFSR summer Chinook salmon were trapped/ processed this season ("re-traps" are not included).

SFSR Returning SU	Reserve	Natural (unmarked)	No Mark/ w/ CWT	Total
Adult	4,105	460	7	4,572
Jack	5,076	88	4	5,168
Total	9,181	548	11	9,740

Totals do not include "re-trapped" fish.

Historic length frequency has been used to categorize jacks but may change following data analysis.

Last returning summer Chinook salmon was trapped on September 9, 2009.

Trap taken out of operation and SFSR weir panels were raised on September 11, 2009.

Resident Species

The final fish stocking flight for 2009 was completed on September 13th and the last fry were out-planted on September 15th. In total 139 water bodies were stocked with 130,550 fry (Grayling – 4,970, Kamloop Rainbow – 43,450, Westslope Cutthroat – 82,130 (3 groups)). Nine fish stocking flights were completed resulting in 125 lakes being stocked with 118,920 fry at a cost of \$9,526.50 in flight time. In doing so approximately 3,013 air-miles were covered. The average cost to stock a lake by air out of MCFH in 2009 was \$76.21 or \$80.11 per 1,000 fish stocked. Volunteers stocked 10 requested lakes with 7,280 fry and 3 water bodies with 3,950 fry that were deemed excess. Hatchery personnel also transferred 400 eyed westslope cutthroat trout eggs to the MK Nature Center in July. Department savings generated through efforts by Volunteer labor was approximately \$902.64 in comparable flight costs.

	Number	Ending Fish/ Pound	Total Length (inch)	Rearing Total Mortality		Feed Conversion		Density Index	Flow Index	30-d Length (inch)
				Month	To Date	Month	To Date			
Westslope Cutthroat (C2-A) Fry (Washoe FH, MT F&G)	- 0 -	647	1.60	275	84.6%	1.02	0.77	N/a		0.15
Final inventory numbers were 17,140 fish short (- 25.4%) of what was reported as received.										
Arctic Grayling Fry (Ashton FH; Meadow Lk, WY)	- 0 -	2,001	1.30	121	21.2%	4.37	12.95	N/a		0.30
Final inventory numbers were 70 fish short (- 1.1%) of what was reported as received.										