

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

**South Fork Salmon River SU Production**

**SFSR Brood Year 2009**

There are 1,072,196 SFSR SU fry being reared in 12-indoor early rearing vats that are averaging 222.2 fpp (2.46 inch TL) in size. During May these fish were fed 1,214.4 pounds of feed resulting in a conversion of 0.67 (0.66 to date). Ending density and flow indices averaged 0.51 and 1.17, respectively. Water temperatures have continued to increase during the month averaging 40.2 degrees Fahrenheit (38.6 – 43.0 F).

Fish markers are scheduled to arrive June 7<sup>th</sup> to “hand” ad-clip approximately ½ of the SFSR juveniles into the outdoor rearing ponds. Each of the outdoor ponds will receive roughly 267,000 fish at this time (a total of 534,000 to be marked). Once this has been completed, salmon fry remaining indoors will be split into the emptied indoor rearing vats to provide space for additional growth. The fish marking crews will return the week of July 12<sup>th</sup> to finish marking/ tagging operations on the remaining fish using MATS marking trailers.

	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	1,072,196	2.46	222.2	3,870	1.45%	0.67	0.66	0.51	1.17	0.35
BY09 Johnson Creek SU	107,210	2.45	225.0	407	2.20%	0.69	0.69	0.30	0.67	0.32

**Johnson Creek SU Production**

**JC Brood Year 2009**

Johnson Creek origin summer Chinook fry currently number 107,210 and average 225.0 fpp (2.45 inch TL) in size. During May these fry were fed 118.4 pounds of feed resulting in a feed conversion of 0.69 (0.69 to date). Two indoor early rearing vats continued to be used for rearing and were extended to full length on May 5<sup>th</sup>. Ending density and flow indices averaged 0.30 and 0.67, respectively. These fish will not be marked until July.

**South Fork Salmon River Trap**

Hatchery staff have been monitoring the progress of PIT tagged fish crossing over the Bonneville and Lower Granite Dams. Timing appears to be following at “Late” arrival pattern for this return year. Through May 30<sup>th</sup> the Bonneville Dam count is 138-PIT tagged MCFH summer Chinook detected with 44-PIT of these fish crossing past Lower Granite Dam. So far no summer Chinook PIT returns have been detected at the Krassel in-stream PIT tag array located on the SFSR. Water flows on the SFSR, as recorded by the USGS gauging station located near the Krassel Ranger Station, are also being closely watched. As of June 2<sup>nd</sup> the staff gauge reading at this site was 5.22, and on an upward trend, which is too high to attempt lowering weir panels into place. Flows will continue to be monitored but it seems likely that the trap will be put into operation sometime in the next couple of weeks.

## Resident Program

	Number	Total Length (inch)	Fish/Pound	Total Mortality		Feed Conversion		Density Index	Flow Index	30-d Length (inch)
				Month	To Date	Month	To Date			
Rainbow Trout (TT09) Catchable Size	20,050	9.45	3.15	100	0.25%	n/a	n/a	0.11	0.11	n/a

### Catchable Redistribution

Fish transport operators from Nampa FH delivered a total of 40,450 catchable size rainbow trout for redistribution during May. These fish averaged 3.09 fpp in size and were reared at Grace FH (30,010 @ 3.17 fpp) and American Falls FH (10,440 @ 2.90 fpp). Hatchery personnel have stocked 20,300 of these fish into area waters by the end of the month. In doing so, 911 miles were driven at an approximate transportation cost of \$1,137.

### Miscellaneous

- Joel Patterson and crew assisted Rapid River FH personnel with some recycling of spring Chinook on May 18<sup>th</sup> and 20<sup>th</sup>.
- McCall Summer Chinook FH passed its Environmental Protection Agency (EPA) Inspection on May 27<sup>th</sup>.



Clear Creek Scatter Plant (May 26, 2010)



Clear Creek (May 26, 2010)



Main Warren Dredge Pond (June 1, 2010)



Main Warren Dredge Pond (June 1, 2010)