

**IDAHO DEPARTMENT OF FISH AND GAME  
McCALL SUMMER CHINOOK HATCHERY**

**June 2010 Monthly Narrative**

Steve Kammeyer

**South Fork Salmon River SU Production**

**SFSR Brood Year 2009**

There are 1,067,051 SFSR SU being reared at MCFH in the 2-outdoor ponds and in 11-indoor early rearing vats with an overall average fish size of 142.9 fpp (2.82 inch TL) in size. During June these fish were fed 1,880.0 pounds of feed resulting in a conversion of 0.71 (0.68 to date). During the month water temperatures averaged 43.2 degrees Fahrenheit with all water flow coming from the deep intake.

Fish marking crews ad-clipped 531,830 SFSR summer Chinook into the outdoor rearing ponds June 7-10, 2010. At this time, fish had attained a size that allowed for use of a MATS automatic marking trailer as well as the typical "hand-clipping" trailer. In all, 265,430 fry were marked into Pond 1 and 266,400 fry were marked into Pond 2. **The physical count obtained through marking resulted in a hatchery inventory reduction of 670 fish; or 0.123%.** Following fish marking, SFSR SU remaining in the indoor vats were sub-divided into 5 additional emptied vats to reduce rearing densities that would allow for continued growth. Fish marking crews are scheduled to return July 12<sup>th</sup> to mark the remaining SFSR summer Chinook into the outdoor ponds. MATS automated marking trailers will be used to ad-clip these fish and insert a CWT into approximately 200,000 of them.

	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	Vats 535,744	2.85	138.5	1,173	1.50%	0.61	0.62	0.39	0.91	0.45
	P1 265,152	2.75	155.7	1,755	2.13%	0.95	0.76	0.03	0.19	0.27
	P2 266,155	2.84	140.2	1,547	2.33%	0.76	0.71	0.03	0.20	0.30
	1,067,051	2.82	142.9	4,475	1.86%	0.71	0.68			0.37
BY09 Johnson Cr SU	106,836	2.91	130.1	374	2.54%	0.61	0.65	0.44	1.04	0.46

**Johnson Creek SU Production**

**JC Brood Year 2009**

Johnson Creek origin summer Chinook currently number 106,836 and average 130.1 fpp (2.91 inch TL) in size. During June, 211.0 pounds of feed was fed to these fish resulting in a conversion of 0.61 for the month (0.65 to date). Ending density and flow indices averaged 0.44 and 1.04, respectively. Johnson Creek Chinook continue to be reared in 2-indoor early rearing vats. All of these fish will be CWT following the completion of SFSR SU marking in July. Once tagged, the Johnson Creek SU will be returned to 4-indoor early rearing vats for further rearing.

**South Fork Salmon River Trap**

Returning SFSR SU	Reserve	Natural/ Wild	Total
Adult	302	181	483
Jack	0	7	7
Total	302	188	490

Data Current Through July 5, 2010.

Weir panels were lowered into place on June 22<sup>nd</sup>, effectively blocking any upstream fish passage above the SFSR Trap. Krassel staff gauge measurement at this time was approximately 4.73 or 1,480 cfs. Final preparations to the trap were completed on June 23<sup>rd</sup> and the facility was then watered up and made operational. The first salmon of the 2010 return year was trapped on June 25<sup>th</sup>. Through July 5<sup>th</sup>, a total of 490 returning summer Chinook salmon have been captured and processed through the SFSR Trap (302 Reserve and 188 Natural/Wild). All unmarked salmon have been

passed upstream of the weir to spawn naturally. The current disposition total for Reserve salmon is: 142 for brood stock, 150 have been recycled for sport/ tribal fisheries and 10 remain in the P3 Pond section for future redistributions. To date no fish have been dispatched for subsistence purposes.

### 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	10,864	9.60	3.15	136	0.28%	n/a	n/a	0.11	0.11	n/a
Rainbow Trout (TT10) Eyed & Alevin	43,285			Incubation Morts						
	715			1.63%						
Westslope Cutthroat (C2) Eyed & Alevin	89,105			2,895	3.15%					
TroutLodge Rbt Eyed Eggs Received June 17.								Data Current Through July 5 <sup>th</sup>		
Cabinet Gorge FH Westslope Cutthroat Trout Eggs Received June 24 (3-Lots).										

Catchable size rainbow trout, numbering 54,835, were redistributed into area waters during June through July 2<sup>nd</sup>. In doing so, 2,026 miles were driven at an approximate transportation cost of \$2,353.50. Catchable redistribution totals for this summer are: 75,185 rainbow trout stocked requiring 2,937 miles to be driven at a cost of \$3,486.55.

Currently there are approximately 43,285 rainbow and 89,105 westslope cutthroat trout eggs/ alevin being maintained in incubation trays. These fish will be used for the mountain lake stocking program later this summer. Westslope cutthroat trout eyed eggs received this year came from the captive brood stock that has been developed at Cabinet Gorge FH. This is the 1<sup>st</sup> year that eggs have been obtained from this source and since arrival they have performed very well. Quite literally these are some of the best westslope cutthroat trout eggs received in recent years. No golden trout will be available for stocking this year.

### Miscellaneous

Hatchery staff assisted Rapid River FH Personnel with High Water Monitoring June 4 & 5. Joel, Gene and staff have also assisted Rapid River FH recycling excess chinook on several days this past month using MCFH's Adult Truck. Gene and hatchery staff also helped transport/ release excess spring Chinook from Oxbow FH to the Boise River on July 1<sup>st</sup>.

Tom Wadsworth, SBT Enforcement, made a presentation for IDFG seasonal personnel at the SFSR Trap on June 24<sup>th</sup> covering topics of what SBT tribal traditional fishing methods may be observed, Tribal Regulations and some historical background which allow for current Tribal Fisheries to take place. This was a good presentation which should help seasonal personnel's understanding of some of the Tribal perspective in relation to Chinook salmon fishing.



Morning Visitor at the Hatchery



High Water Debris on SFSR Bridge (June 6, 2010)



High Water Debris Prior to Removal (June 7, 2010)



SFSR Bridge Following Removal of Debris (June 7, 2010)



SFSR Bridge w/ Weir Panels in Place (June 22, 2010)



Reverse Angle of SFSR Bridge (June 22, 2010)