IDAHO DEPARTMENT OF FISH AND GAME
McCALL SUMMER CHINOOK HATCHERY
February 2010 Monthly Narrative

Steve Kammeyer

	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	520,462	22.72	5.16	278	2.41%	1.15	0.87	0.19	1.99	0.12
Pond 2	518,704	21.20	5.28	172	2.98%	0.72	0.82	0.20	2.07	0.20
	1,039,166	21.96	5.22	450	2.70%	0.87	0.85	0.20	2.03	0.16
BY09 SFSR SU Vats (3-14)	1,082,009	906.6	1.57	2,938	0.55%	0.67	0.64	0.46	0.47	0.14
BY08 Johnson Creek SU	99,779	32.00	4.54	81	2.92%	1.00	0.88	0.15	0.13	0.13
BY09 Johnson Creek SU Vats (1-2)	108,035	847.6	1.59	362	1.45%	0.67	0.72	0.29	0.29	0.14

South Fork Salmon River SU Production

Brood Year 2008

There are currently 1,039,166 SFSR SU pre-smolts being reared in the 2-outdoor rearing ponds (783,242 AD-clip only, 51,828 AD/PIT and 204,096 AD/CWT). A 1.92% CWT shed rate (4,000 fish) has been applied to numbers reported for this month and is based on the 21-day post tag retention check conducted by fish markers. These fish average 22.0 fpp (5.22 in TL) in size. During February, SFSR SU pre-smolts were fed 3,477.0 pounds of feed resulting in a conversion of 0.87 for the month (0.85 to date). Feeding behaviors have continued to remain aggressive throughout the month with minimal duck activity observed on the ponds. Hatchery water intake temperatures remained fairly constant throughout the month averaging 38.5 degree Fahrenheit. Total hatchery flow was determined to be 14.18 at the end of the month.

Fish marking crews were on station February 8-11, 2010. During this time 51,875 functional PIT tags were inserted into pre-smolts that are being reared in Pond 1. Marking activities proceeded very smoothly.

Doug Munson, IDFG Anadromous Fish Pathologist, conducted a pre-liberation fish health assessment on February 25th. Smolt transport has been scheduled to begin March 23, 2010.

Brood Year 2009

Fry numbering 1,082,009 are being reared in 12-indoor early rearing vats. All spawn take Lots from this brood year have been set-out. Ending fish sample counts resulted in an average fish size of 906.6 fpp (1.57 inch TL) and ranged from 695-1,130 fpp. During February these fry were fed 192.6 pounds of feed resulting in a conversion of 0.67 (0.64 to date). Ending density and flow indices averaged 0.46 and 0.47, respectively.

Johnson Creek SU Production

Brood Year 2008

Johnson Creek origin summer Chinook pre-smolts currently number 99,779 (50,436 early release, 49,343 late release) and average approximately 32.0 fpp (4.54 inch TL) in size. During PIT tagging operations (January 25-27, 2010) NPT fishery personnel determined a 0.34% CWT shed rate (15/4,465) for the JC pre-smolts. At that time, a total of 4,423 functional PIT tags were inserted into the various test groups of fish. Currently no shed rate has been applied to JC pre-smolts. In February, these fish were fed 240.0 pounds of feed. A conversion rate of 1.0 was applied to approximate monthly growth. Ending density and flow indices averaged 0.13 and 0.13, respectively.

Doug Munson, IDFG Anadromous Fish Pathologist, conducted a pre-liberation fish health assessment on February 25th. Smolt transport for the early release group has been scheduled to begin March 15th to be followed by the late release group on April 5th.

Brood Year 2009

There are 108,035 Johnson Creek summer Chinook fry being reared in 2-indoor early rearing vats. All spawn take Lots for this brood year have been set-out. Ending fish size for February averaged 847.6 fpp (1.59 inch TL) in size. These fry were fed 20.9 pounds of feed this month resulting in a conversion of 0.67 (0.72 to date). Ending density and flow indices averaged 0.29 and 0.29, respectively.