



United States Department of the Interior

FISH AND WILDLIFE SERVICE
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October 5, 2006

MEMORANDUM

To: Fisheries Supervisor, Columbia Basin Ecoregion
Region 1, Portland, OR

From: Acting Complex Manager
Dworshak Fisheries Complex

Subject: Dworshak Production Narrative, September, 2006

SPRING CHINOOK SALMON (SCS)

Brood Year 2005 (BY2005)

At the end of the month there were 969,608 BY2005 SCS in A-bank raceways (RW's) averaging 55 fish per pound (fpp) and 100 mm (3.9 inches) total length (Table 1). Mortality for the month averaged 0.1 percent.

Table 1. Fish inventory summary, raceways BY2005 SCS (09/30/06).

Stock	Number	Wt (lb)	fpp	L in	L mm	Lgth/mm Gain/Mo	Wt(lb) Gain/Mo
Dworshak	969,608	17,558	55	3.9	100	11	3,132

Water temperature averaged 46.0°F and flow averaged 300 gpm/RW.

There were no medical or chemical treatments given to the SCS during the month.

Brood Year 2006

There were a total of 440 Dworshak and 252 Kooskia females spawned this season, ending on August 29 for both stocks. On September 7 all excess adult SCS were outplanted, 446 of Dworshak and 163 of Kooskia stock. All but 12 fish were outplanted to the Selway River; the remaining 12 went into the Main Stem of the Clearwater River. Eggs from both stocks were being incubated at Dworshak at the end of the month and were treated twice weekly to control fungus. Enumeration is scheduled to begin in October.

COHO SALMON (COS)

Brood Year 2005

Coho are being reared at Dworshak through a cooperative agreement with the Nez Perce Tribe (NPT). As per verbal communication with Scott Everett, on June 26 there were an estimated 294,000 BY2005 COS at Dworshak averaging 69 fpp.

SUMMER STEELHEAD (SST)

Brood Year 2006

Elevated mortality probably due to *Infectious Hematopoietic Necrosis Virus* (IHNV) continued during the month. Table 2 illustrates the projected numbers and size at release for BY2006 SST. Steelhead in two ponds in System III received a left ventral (LV) fin clip and coded-wire-tags (CWTs). All tagging was done manually by staff from the Columbia River Fishery Program Office (CRFPO).

Table 2. BY2006 SST on station and estimated release size and numbers (09/30/06).

End of Month Data					Projected Release April 2007		
System	Number	Weight (lbs)	fpp	Lgth (mm)	Proj % Loss to Release	Proj Release Number	Proj Release Size (mm)*
Syst I	745,607	18,450	40.4	105	9	678,502	186
Syst II	697,393	25,009	27.9	119	9	634,628	200
Syst III	792,265	51,076	15.5	145	9	720,961	201
Total/Ave	2,235,265	94,535	23.6	126	9.0	2,034,091	196

*Reuse on December-March Systems I and II.

System I

At the end of the month there were 745,607 BY2006 SST averaging 40 fpp and 105 mm (4.1 inches) total length in the BP's (Table 4). Mortality for the month averaged 3.4 percent.

Table 4. Fish inventory summary, System I, BY06 SST (09/30/06).

Rearing Unit	Number	Wt (lbs)	fpp	L in	L mm	Lgth/mm Gain/mo	Wt (lbs) Gain/mo
BPs	745,607	18,450	40	4.1	105	15	6,344

Water temperature averaged 48.6°F and flow averaged 556 gpm/BP.

There were no medical or chemical treatments during the month.

System II

At the end of the month there were 697,393 BY2006 SST averaging 28 fpp and 119 mm (4.7 inches) total length in the BP's (Table 5). Mortality for the month averaged 2.7 percent.

Table 5. Fish inventory summary, System II, BY06 SST (09/30/06).

Rearing Unit	Number	Wt (lbs)	fpp	L in	L mm	Lgth/mm Gain/mo	Wt (lbs) Gain/mo
BPs	697,393	25,009	28	4.7	119	19	9,656

Water temperature averaged 48.6°F and flow averaged 490 gpm/BP.

There were no medical or chemical treatments during the month.

System III

At the end of the month there were 792,265 BY2006 SST averaging 16 fpp and 145 mm (5.7 inches) total length in the BP's (Table 4). Mortality for the month averaged 6.9 percent.

Table 4. Fish inventory summary, System III BY06 SST (09/30/06).

Rearing Unit	Number	Wt (lbs)	fpp	L in	L mm	Lgth/mm Gain/mo	Wt (lbs) Gain/mo
BPs	792,265	51,076	16	5.7	145	20	15,711

Water temperature averaged 44.8°F and flow averaged 450 gpm/BP.

On September 12 there were 21,664 fish which received adipose (AD) fin clips and LV fin clips along with CWTs in Burrow's Pond (BP) 65. There were also 3,611 which received AD clips only. On September 13 there were 21,407 fish which received AD and LV clips along with CWTs in BP 68. There were also 850 which received AD clips only.

On September 26 all of System III was treated with formalin and salt for one hour for control of parasites.

High mortalities in System III continued in August, the probable cause being IHNV.

RAINBOW TROUT (RBT)

Brood Year 2006

At the end of the month there were 16,642 BY2006 RBT averaging 9 fpp and 167 mm (6.6 inches) total length (Table 5). Mortality for the month was 0.05 percent.

Table 5. BY06 RBT inventory numbers (09/30/06).

Rearing Unit	Number	Wt (lbs)	fpp	L in	L mm	Lgth gain/in
BP 51	16,642	1,891	8.8	6.6	167	0.7

Water temperature averaged 48.6°F and flow averaged 486 gpm/BP.

There were no medical or chemical treatments given to the RBT during the month.

SUMMARY

Table 6. Total Production—Fish on Station (09/30/06).

SP	BY	Location	Number	Wt (lbs)	fpp	L in	L mm
COS*	05	RWs C-bank	294,000	4,250	69	3.5	88
RBT	06	BP51	16,642	1,891	9	6.6	167
SCS	05	A-B Bank RWs	970,384	10,113	96	3.3	83
SST	06	System I	745,607	18,450	40	4.1	105
SST	05	System II	697,393	25,009	27.9	4.7	119
SST	05	System III	792,265	51,076	15.5	5.7	145
Total			3,516,291	110,789			

* Coho numbers from verbal communication w/ Scott Everett June 26.



Bob Semple

Dworshak NFH
 Dworshak Production (2)
 Kooskia NFH
 Idaho FRO
 Idaho FHC
 LSRCP - Boise
 IDFG - Boise & Lewiston
 Nez Perce Tribe - Fisheries

