



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Dworshak Fisheries Complex
P.O. Box 18
Ahsahka, ID
Phone: (208) 476-4591 FAX: (208) 476-3252



MEMORANDUM

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

From: Complex Manager
Dworshak Fisheries Complex

Subject: **Monthly Activity Report – June, 2011**

Fish Management Culture

Dworshak

SPRING CHINOOK SALMON (SCS)

Brood Year 2010 (BY10)

At the end of the month there were 837,279 BY10 SCS on station averaging 178 fish per pound (fpp) and 67 mm (2.7 inches) total length. Mortality for the month averaged 0.43 percent and water temperature averaged 44.5°F in the Burrows Ponds (BPs) and Raceways (RWs).

FALL CHINOOK SALMON

Brood Year 2010

The Idaho Fishery Research Office (IFRO) is participating in an evaluation of the effect of transportation and summer spill in the Columbia River hydro system on smolt-to-adult return rates of Snake and Clearwater River fall Chinook salmon (FCS).

There were 138,000 FCS which received PIT tags and were transported to Couse Creek on the Snake River in mid-June. These fish were approximately 135 fpp at time of transport. At the end of June there were 76,000 FCS PIT tagged and transported to Kayler's Bend on the Clearwater River. These fish were approximately 129 fpp at the time of release. Tagging of all the FCS is being done by BioMark staff.

At the end of June there were 38,500 FSC on station averaging 131 fpp and 75 mm (2.9 inches) total length. Mortality for the month was 0.2 percent and water temperature in the RW's averaged 44.5°F during the month.

COHO SALMON (COS)

Brood Year 2010

On June 21 there were 122,443 BY10 coho at 89 fpp outplanted from RW 17 to Lolo Creek. On June 28 there were 122,536 coho at 99 fpp outplanted from RW 18 to Lolo Creek. These 244,979 coho were excess to target release numbers. At the end of the month there were a total of 329,908 COS averaging 84 fpp and 82 mm (3.2 inches) total length on station. Mortality was 0.04 percent and temperature averaged 44.5°F for the month.

SUMMER STEELHEAD (SST)

Brood Year 2011

During June SST from Takes 2-4 (825,993 SST) were moved out of the nursery into System I. The fish were pumped from the nursery to the marking trailer from the Columbia River Fisheries Program Office for adipose fin clips.

On June 27 a decision was made to euthanize all SST in Burrows pond (BP) 49 due to escalating mortality from *Infectious Hematopoietic Necrosis Virus* (IHNV). The decision was made in hope to eliminate the risk of spreading the disease to other fish on the facility. These SST were from the first egg Take and were progeny from broodstock collected in October, 2010. There were a total of 92,014 fish destroyed.

At the end of the month there were 909,819 SST in BPs in System I averaging 123 fpp and 73 mm (2.9 inches) total length. Mortality was 0.16 percent and temperature averaged 51.3°F for the month.

On June 16 there were 352,460 fry from Take 8A were moved from the incubation trays to the nursery tanks previously occupied by Take 2. This Take was spawned on April 19, the same as fry from Take 8. However, Take 8A eggs were chilled in the incubation room until Take 2 was moved from the nursery, making rearing tanks available for these later fry.

At the end of the month there were 1.5 million BY11 SST on feed in the nursery (Takes 5-8A). Nursery water temperatures averaged 51.6°F for the month.

SUMMARY

Table 1. Total Production—Fish on Station (06/30/11).

SP	BY	Location	Number	Wt (lbs)	FPP	L in	L mm
SCS	10	RWs 1-9	837,279	4,706	178	2.7	67
FCS	10	RWs 24, 26, 28	38,500	295	131	2.9	75
COS	10	RWs 19, 20	329,908	3,932	83.9	3.2	82
SST	11	Nursery	1,560,530	6,527	239	2.3	58
SST	11	System I	909,819	7,418	122.7	2.9	73
SST	11	SST on feed Tot/Ave	2,470,349	13,945	177.1	2.5	64
Total Fish/Eggs on Station EOM			3,676,036	22,878			

Kooskia Adult Trap Operations Brood Year 2011

On June 16, fish were sorted for the first time and have been transported every Thursday since. There were 508 total fish interrogated for the month; 212 jacks, 83 adult males, and 213 adult females. On June 23, 76 jacks were released at Big Canyon for recirculation through the fishery. As of June 30, 93 jacks were distributed to the Nez Perce Tribe in Kamiah for subsistence. Trap and distribution data is attached.

Kooskia Brood Year 2010

Fish on station at the end of the month was 658,987 fry with average size of 57.5 fpp at 3.87 inches (98 mm) length. Total feed consumed for the month was 2,757 lbs. Mortalities for the month totaled 215. Fish are larger than desired at this point in time in the growing period. We have adjusted the water temperature down to 46°F, and have begun decreasing the amount of food fed per day in hopes of slowing growth. Feed sheets and inventory summaries are attached.

Date	Jacks	Age 2 Male	Age 2 Female	Age 3 Males	Age 3 Females	Total Males	Total Females	Moved DNFH	NPT
6/16/11	7	19	98	10	11	36	109	143	
6/23/11	90	16	41	3	3	109	44	77	
6/28/11	0		3		1		4		4
6/30/11	115	32	54	3	6	150	60	117	93
Total	212	67	196	16	21	295	217	337	97

A total of 76 jacks were recycled to Big Canyon by Mike Key from the Nez Perce Tribe on 6/23/2011.

We had three trap mortality's for the month, two jacks and one age 2 female. One recapture from the group was recycled.

A total of four wild fish, two age 2 and two jacks, were transported to the upper Clear Creek Bridge and released.

Maintenance

Dworshak

- Installed new incubation room air compressor and air dryer assembly.
- Installed new electric fire hose pump on BP hose cart.
- Mounted new Davey gas fire pump to trailer.
- Repaired Fire Maintenance line leak in front of quarter #1 and Maintenance shop.
- Serviced and repaired Karcher Pressure washer.
- Cushman cart preventive maintenance and performed and tires repaired.
- Repaired downspout drains at hatchery Quarters #1, #2, #3; torn window screens on Quarters #1 & 3 and new light fixture and faucet in Quarters #2.
- Parts washer fluid changed by Safety Clean.
- Oil/water separator at the shop cleaned out by Roto Rooter.
- Domestic water line leak found and repaired.
- Mechanical II piping flow restrictors removed.
- Mechanical I boiler PM being performed.
- Formalin room cleaned out, hose rack fabricated and installed.
- Hatchery access road and bridge hosed off.

- Area in front of crew room hosed off.
- Pump #3 motor sent to Strom Electric for rebuild and re-installed.
- System III channel pump probe electronics replaced.
- Roto Rooter unplugged public restroom drains.
- New mailbox installed for complex mail.
- Continue work on fish counting trailer.
- Fabricated fish pumping hoses and camlocks.

Kooskia

- Dale from Gateway Fabrication was at the hatchery to look at the fabrication of a new pump manifold for the lift pumps which move reuse water from the indoor vat room to the Biofilter. He gave us a bid and the work will be done in July, so we can use the new pumps this coming season.
- The domestic water samples collected in May for Brockway Engineering showed no coliforms present in the domestic well, well 1 and well 5.
- Burton Construction finished the Punch list for the new generator project.
- Call out for a power failure on June 11
- Adult trap sorted and distributed on June 16 & 23.
- Removed dead trees from Hatchery Grounds and cleaned up dead limbs from windstorms.

Meetings/Training/Travel

Dworshak

June 27 Larry Peltz, Complex Manager, Mark Drobish, Hatchery Manager and Jack Christiansen, Aquatics Engineer, participated in conference call with the Environmental Protection Association (EPA) and U.S. Army Corps of Engineers (COE) to discuss draft Federal Facility Compliance Agreement. Nate Wiese attended a meeting in McCall to assist in the development of a standardized database to be used for all hatcheries in Idaho. Mark Drobish attended a one day training in Boise, “*Recruiting Diverse Talent*”.

Kooskia

June 02: Mark Drobish traveled to KNFH to work on the 2012 budget for the KNFH.

June 07: Kent Hills, Hatchery Manager, attended the fire safety, dealing with hazardous materials, and proper building labeling training at DNFH.

June 14: Kent and Art Broncheau, Animal Caretaker, attended the SRBA evaluation meetings held at the DNFH.

June 27: Kent met with Joan George, Admin Officer and Ed Larson, SRBA Tribal Coordinator regarding the KNFH 2012 budget.

June 30: Kent and Art travelled to DNFH for the Snake River Adjudication Meeting, to review training agreements and hiring of Tribal personnel.

Miscellaneous

- Cross-cultural training was provided to Dworshak Complex employees on June 30th.

Safety

6/7

Don Gardner, Orofino Fire Department Chief provided a training meeting to staff on Hazardous Materials.

Personnel Actions –

- Adam Izbicki, Terry Weeks and Mark Drobish conducted interviews for the vacant Maintenance Worker position.

Visitors –

Dworshak - No visitors signed in on the Visitor Register.

Kooskia

No guests signed our visitor log book this month. A contributing factor is the location of the book. Hatchery Personnel are trying to keep a number count of visitors on the grounds. We had 350 visitors for the month by the manual count.



Larry Peltz
Complex Manager

cc: Kooskia NFH
Hagerman NFH
CFRU – Moscow
Dworshak Production (2)
LSRCP – Boise