



# 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 –September, 2009**

### **Fish Management Culture**

#### ***Dworshak***

#### **SPRING CHINOOK SALMON (SCS)**

##### ***Brood Year (BY) 2008***

At the end of the month there were approximately 1,124,728 BY08 SCS on station. These fish averaged 37 fish per pound (fpp) and 114 mm (4.5 inches) total length. Mortality for the month averaged 0.1 percent and raceway (RW) water temperature averaged 48.5°F.

#### **COHO SALMON (COS)**

##### ***Brood Year 2008***

At the end of the month there were 354,231 COS averaging 24 fpp and 125 mm (4.9 inches) total length on station. Coho are in Burrows ponds (BP's) 51-53-55-57-59. Mortality for the month was 0.7 percent and water temperature averaged 48.5°F for the month.

#### **SUMMER STEELHEAD (SST)**

##### ***Brood Year 2009***

There were a total of 2.56 million SST moved out of the nursery beginning in May and ending on July 28. By the end of September there were 1,442,197 SST on station averaging 29 fpp and 118 mm (4.6 inches) total length. High mortality from *Infectious Hematopoietic Necrosis Virus* (IHNV), gas bubble, and cold-water disease occurred over the summer of 2009 pushing the steelhead mortality near 1.1 million mark. Adipose fin (AD) clipping began September and will continue into the fall. Once the AD clipping is completed a more accurate count of SST on station will be obtained.

System I had 454,467 BY09 SST averaging 27 fpp and 120 mm (4.7 inches) total length by the end of the month. Mortality was 34.5 percent and water temperature averaged 48.5°F for the month.

System II had 694,450 BY09 SST averaging 37 fpp and 108 mm (4.3 inches) total length by the end of the month. Mortality was 4.8 percent and water temperature averaged 48.5°F for the month.

System III had 293,280 BY09 SST averaging 20 fpp and 134 mm (5.3 inches) total length by the end of the month. Mortality was 22.3 percent for the month. Water temperature averaged 48.5°F for the month.

### RAINBOW TROUT (RBT)

#### *Brood Year 2009*

At the end of the month there were 13,653 BY09 RBT in BP61 averaging 9 fpp and 169 mm (6.6 inches) total length. Mortality was 0.2 percent and water temperature in the tanks averaged 48.5°F during the month.

These fish will be utilized for the Kids Fishing Day in 2010.

### SUMMARY

Table 2 Total Production—Fish on Station (09/30/09).

SP	BY	Location	Number	Wt (lbs)	FPP	L in	L mm
SCS	08	A-Bank RWs	1,124,728	30,670	37	4.5	114
COS	08	BPs	354,231	14,941	23.7	4.9	125
SST	09	System I	454,467	16,686	27.2	4.7	120
SST	09	System II	694,450	18,835	36.9	4.3	108
SST	09	System III	293,280	14,975	19.6	5.3	134
RBT	09	BP 61	13,653	1,606	8.5	6.6	169
<b>Total</b>			<b>2,934,809</b>	<b>97,713</b>			

#### *Kooskia Trap Operations Brood Year (BY)2009*

The trap remained closed through September.

#### *Kooskia Brood Year 2009*

All Kooskia Stock BY 2009 eggs are currently being incubated at Dworshak. Enumeration will occur in early to mid October after eye up. The eggs will then be transported to Kooskia for incubation and hatching.

#### *Kooskia Brood Year 2008*

Kooskia Stock BY2008 SCS number 634,002 averaging 32.6 fpp at 4.68 inches long. Growth for the month was .47 inches. Kooskia stock SCS remain in the BP's on reuse with chilled well water makeup. The reuse water temperature averaged 49.0°F this month.

A Idaho Fish Health Center (IFHC) health exam was conducted September 21<sup>st</sup>. Low levels of ICH were found and the fish appear to be in good overall health. No formalin or drug treatments were recommended this month.

## **Maintenance**

### ***Dworshak***

- Electrical projects: Started and adjusted incubator chiller; ran circuits for new computer stations in old Production office; assisted with hook-up and energizing tagging trailer with correction of electrical problems in trailer; rewired and checked boilers in Mech II; made up connections and checked rotation on Main Pump #3 installed and rewired make-up Pump #4 in Mech II and repaired table saw circuit in Maintenance Shop.
- Repaired fire maintenance water leak in street.
- Modified Dee watering tower to pump fish from the ponds to the tagging trailer.
- Repaired water at construction site.
- Installed new brushes on pond scrubber; repaired fish pump pipe; repaired splash guards for tagging trailer; removed cabinet in Main Bldg; re-plumbed water piping in House #3.
- Maintenance performed daily by cleaning moss trap, check main pumps, ran traveling water screens in Main Pump House, greased screens, grounds and building maintenance.

### ***Kooskia***

- Avista Utilities installed the new power pole and transformer for the new hatchery house.
- Electrical Engineer Brent McMillen, was here to look at the electrical and alarm systems relating to the egg incubation recirculation system project.

## **Meetings/Training/Travel**

### ***Dworshak***

- 9/10 Larry Peltz, Complex Manager and Howard Burge, FRO Project Leader traveled to Lapwai, ID to meet with the Nez Perce Tribe (NPT).
- 9/16 & 17 Larry Peltz, traveled to Walla Walla, WA to meet with the U.S. Army Corps of Engineers (COE).

### ***Kooskia***

- 9/15 Pre-construction meeting with Holcomb Construction. In attendance were Marv Henry, Ed Larson, and Adam Izbicki.

## **Miscellaneous**

- 9/17 Staff celebrated September employee birthdays in the Main Bldg. Conference Room with Lab hosting the afternoon refreshments.

## **Personnel Actions –**

### **Safety/Wellness –**

9/10 Staff from Dworshak NFH, Kooskia NFH and COE listened to a 3-hour presentation by Jack Harris, a motivational speaker and retired Law enforcement officer from Phoenix, AZ.

### **Information/Education (I/E)**

#### ***Dworshak***

Tours – 5 People: 174

Visitor Register – 0 – Hatchery closed due to construction

Visitor Contacts – 0

Volunteers – 2 Hours – 4 Website contacts – (data not available)

Website Visitors – 1,642

**On-site:** None

#### **Off-site:**

- Presented interpretive program at Dent Acres Campground for 5 people.
- Facilitated activity station at Salmon and Steelhead Days in Boise for approx. 2,000 students.
- Staffed exhibit at Clearwater County Fair; 1,004 visitor contacts.
- Specialist Wandag participated in annual board retreat for Idaho Environmental Education Association.
- Facilitated classroom activity on macroinvertebrates for 47 students at McSorley Elementary in Lewiston.

#### ***Kooskia***

No visitors signed the guest book. No guided tours, but many visitors stopping to check the trap, see the big fish, and take a look around the hatchery grounds.

Website contacts: (data not available)



Larry Peltz

Complex Manager

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