

# Oregon Department of Fish and Wildlife

## Lookingglass Hatchery Monthly Progress Report

**Reporting Month:** May 2008  
**Author(s) :** Albert Pollreisz, Diane Deal  
**Date:** 6/9/2008

### **Fish Culture:**

- Picked mortality daily in Raceways (RW's and CT's).
- Set up and watered up raceways.
- High water event on 17<sup>th</sup> required the removal of the picket weir on the intake trap. The trap was closed because of debris blocking the ladder.
- Moved fish from inside Canadian troughs to outside raceways.
- Fed fish in the Raceways and CT's according to monthly feed program
- Lookingglass creek water is the water supply to the raceways.
- The UV system was shut down and cleaned after the fish in the CT's were moved outside to the raceways.
- Collected data from Steelhead captured in the intake trap and transported upstream on Monday, Wednesday and Fridays.
- Crowded fish in raceways for research length / frequency.
- Sampled fish in the raceways to monitor fish growth
- Completed medicated feed treatment on Grande Ronde and Catherine Creek moderate captive brood in troughs 25 & 26.
- Last of captive brood moved to outside raceways after 10 days to allow the drug to metabolize and prevent tetany or toxicity reactions from medicated feed treatment.
- Travel to Imnaha facility and setup holding pond and fish ladder for adult collection.

### **Fish Distributions:**

#### **Fish On Hand In Raceways:**

<u>DATE</u>	<u>SPECIES</u>	<u>STOCK</u>	<u>SIZE f/lb</u>	<u>grams/fish</u>	<u>NUMBER</u>	<u>LOCATION</u>
6/1/08	CHS	CQ201-07	152.0	2.99	69,584	RW # 3
3/10/08	CHS	CQ201-07	175.0	2.59	71,086	RW # 4
3/31/08	CHS	CQ201F07	156.0	2.91	75,648	RW # 5
3/31/08	CHS	CQ201F07	150.0	3.03	28,117	RW # 6
3/11/08	CHS	LG81-07	166.0	2.73	49,517	RW # 7
3/25/08	CHS	GQ80-07	146.0	3.11	95,826	RW # 9
3/11/08	CHS	GQ80F07	147.0	3.09	59,725	RW # 10
3/26/08	CHS	LQ200-07	161.0	2.82	111,941	RW # 12
3/31/08	CHS	LQ200-07	171.0	2.65	114,299	RW # 13
3/04/08	CHS	LQ200F07	174.0	2.61	95,358	RW # 14
3/12/08	CHS	IM2907	147.0	3.09	99,851	RW # 16
3/12/08	CHS	IM2907	159.0	2.86	96,861	RW # 17
3/13/08	CHS	IM2907	146.0	3.11	98,296	RW # 18

<b>Stock</b>	<b># of Fish</b>	<b>Production Goal</b>	<b>% of Goal</b>	<b>Meeting Goal</b>
CQ 201-07*	140,670	130,000	108.0	YES
CQ 201-F-07*	103,765			
LG 81-07	49,517	250,000	19.8 %	YES
GQ 80-07	95,826	250,000	38.3 %	NO
GQ 80-F-07	59,725			
LQ 200-07**	226,240	187,500	120.7 %	YES
LQ 200-F-07**	95,358	62,500	153.6 %	YES
IM 29-07	295,008	360,000	81.9 %	NO

\* Surplus to Lookingglass

\*\* Surplus to be released after CWT and PIT of 1,000

### **Fish Health**

- Sam Onjukka was here on the 19<sup>th</sup> to do the monthly fish health examination. The following report is for May.

#### **II. LSRCP Fish Health Examinations**

##### **A. Lookingglass Hatchery**

**BY2007 ChS** – We found there was very little reduction (18.3%) of total bacterial counts in post UV treated Lookingglass Creek water in May with a UV dose setting of ~300,000 mw and a flow setting of 250 GPM. Water flows in Lookingglass Creek were extremely high (1100-1200 CFS) with high turbidity. A 28-day aquamycin medicated feeding was completed for the Grande Ronde and Catherine Creek captive broodstock progeny (BKD moderate groups). See fish health summary below for May. Virus and BKD testing results are pending for May.

May Fish Health summary for BY2007 spring Chinook juveniles on hand at Lookingglass Hatchery.

Stock #	Stock Name	Culture Results	Comments
201W07	Catherine Creek Conventional	No significant levels of systemic bacteria detected	
201F07	Catherine Creek Captive Brood progeny	2/10 (20%) had a low level of Aeromonad-pseudomonad (APS) bacteria.	
80W07	Grande Ronde River Conventional	1/10 (10%) APS bacteria	
80F07	Grande Ronde River Captive Brood progeny	No significant levels of systemic bacteria detected	
8107	Lookingglass Creek	1/10 (10%) had a low level of mixed bacterial growth	
200W07	Lostine River Conventional	1/10 (10%) had a moderate level of mixed bacterial growth	
200F07	Lostine River Captive Brood progeny	1/10 (10%) had APS bacteria and 3/10 (30%) had low levels of mixed bacterial growth	1/10 mortalities had tail erosion
2907	Imnaha River	3/10 (30%) had low levels of mixed bacterial growth	

### **Maintenance:**

*BY HATCHERY CREW:*

- The UV system was shut down and cleaned for the season.
- Put tailgate on 16' trailer and welded loose spots and parked.
- Crew made replacement flush gates for the adult holding ponds.
- Repaired mechanical feeders on the raceways.
- Repaired steering on pettibone forklift.
- Modified finger weir for Imnaha fish ladder.
- Removed loader bucket from JD 755 and installed mower deck.
- Mounted lib tank on pettibone forklift and removed after moving fish to raceways.
- Repaired push mowers and weedeater.
- Serviced both mules and installed new muffler on red mule.
- Serviced all pickup trucks.
- Take pipes to town to straighten bent pipes from intake picket weir.
- Removed UPS from alarm system and ordered new batteries.

*BY CONTRACTORS:*

- **Alpine Fire Protection** – Serviced all fire extinguishers and tested fire alarm systems in hatchery building and residences.
- **Barnes Diesel** – Straightened bent pipes from intake picket weir.
- **Cook & Emele** – Here to go through all of the furnaces in the residences.

**NPDES Waste Discharge Permit Monitoring**

- Chemical usage log was updated

**Public Outreach:**

- LGH has been contacted by several organizations to schedule upcoming tours of the facility.
- Tour was given to 75 2<sup>nd</sup> grade students from LaGrande Elementary School.

**Miscellaneous:**

- Volunteer picked up parts and supplies from town and delivered them to the hatchery.
- Volunteer drove to Longview WA, to pick up fish feed from feed company and deliver back to hatchery.
- Volunteer gathered supplies and prepared handouts for tour of 75 2<sup>nd</sup> graders from LaGrande.
- Volunteer drove to Biggs OR, to deliver feed to person from Klamath Hatchery.

**Personnel:**

- Donna Viss started May 8<sup>th</sup> in the Seasonal Technician position.
- Applications were taken for the 2 Laborer positions.
- The vacant permanent technician position was on the vacancy list.

**Safety:**

- The monthly safety meeting was held May 29<sup>th</sup>.
- The topics covered in the monthly safety meeting were basic winching techniques and safety while using a winch.

**Other: None at this time**

**Imnaha Adult Trap and Acclimation Facility:**

- Repair work done at the facility to prepare for the upcoming adult collection season.
- Installed new stainless cable on fish tower door.
- Installed finger weir in fish ladder and setup for adult collections.
- Welded supports for grate over fish return channel.
- Serviced electric crowder and tighten cables.
- Replaced broken cable hangers on fish tower winch.
- Installed mower deck on JD 318.
- Loaded snow removal equipment to return to hatchery.

**Distribution:**

Joe Krakker	Lower Snake, Boise
Chris Starr	Lower Snake, Boise
Scott Marshall	Lower Snake, Boise
Tammy Froscher	Lower Snake, Boise
Sam Onjukka	Pathology, LaGrande
Mary Hoverson	N. E. Region, LaGrande
Scott Patterson	N. E. Region, LaGrande
Kim Sines	N. E. Region, LaGrande
Brad Smith	N. E. Region, Enterprise
Bill Knox	N. E. Region, Enterprise
Fred Monzyk	Research, La Grande
Rich Carmichael	Research, LaGrande
Pat Keniry	Research, LaGrande
Tim Hoffnagle	Research, LaGrande
Deb Eddy	Research, LaGrande
Steve Boe	C.T.U.I.R., LaGrande
Mike McLean	C.T.U.I.R., LaGrande
Carrie Crump	C.T.U.I.R., LaGrande
Laurie Hewitt	C.T.U.I.R., LaGrande

Gary James	C.T.U.I.R., Pendleton
Brian Zimmerman	C.T.U.I.R., Pendleton
Becky Johnson	Nez Perce, Enterprise
Jim Harbeck	Nez Perce, Enterprise
Rick Zollman	Nez Perce, Enterprise
Peter Cleary	Nez Perce, Enterprise
Rusty Eschler	Nez Perce, Enterprise
Mary Edwards	Nez Perce, Enterprise
Cameron Albee	Nez Perce, Enterprise
Mike Gribble	Irrigon Hatchery
Marla Chaney	Bonneville Hatchery
Greg Davis	Wallowa Hatchery
Duane Banks	Oxbow Hatchery
Guy Chilton	ODFW, Salem Hdqrts
Muhammad Latif	ODFW, Salem Hdqrts
Todd Hanna	Mt. Hood CC
Roger Elmore	Lookingglass Hatchery
Bill Barnes	Lookingglass Hatchery
Diane Deal	Lookingglass Hatchery
Albert Pollreisz	Lookingglass Hatchery
Brian Johnson	Lookingglass Hatchery
Tim Helwick	Lookingglass Hatchery