

Oregon Department of Fish and Wildlife

Lookingglass Hatchery Monthly Progress Report

Reporting Month: July 2008
Author(s) : Diane Deal
Date: 8/12/2008

Fish Culture:

- Picked mortality daily in Raceways
- Cleaned raceways
- Fed fish in the Raceways according to monthly feed program
- Medicated Feed Treatment started on July 22nd. This treatment is for all five stocks of Chinook juveniles. This is a 28-day treatment that will be completed with August 18th being the last day
- Lookingglass Creek water is the water supply to the raceways, adult holding ponds, and circulars in the Endemic Building
- We continue to trap Adults for brood stock and collect data from Spring Chinook Salmon and Bull Trout captured in the intake trap. Bull Trout are transported upstream and released; the Chinook are collected as brood stock.
- Started treating adults with formalin on Monday, Wednesday and Friday as a treatment for fungus related health issues
- Coded wire tagging was completed the week of July 7th
- Sampled fish in the raceways to monitor fish growth
- The Imnaha Adult trap and Acclimation facility continues to trap and transport adult Chinook Salmon to Lookingglass FH for broodstock.
- Excess hatchery adult Chinook Salmon have been out-planted into Big Sheep Creek and Lick Creek
- Excess Chinook Salmon Jacks and Adults were given to the Nez Perce Tribe for ceremonial and subsistence fish
- Excess Chinook Salmon have been given to the local Food Bank

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>
7/1/08	CHS	CQ201-07	75.12	6.04	46,957	RW # 1
7/1/08	CHS	CQ201-07	75.88	5.98	46,502	RW # 2
7/1/08	CHS	CQ201-07	76.61	5.92	45,901	RW # 3
7/1/08	CHS	CQ201F07	73.20	6.20	72,322	RW # 4
7/1/08	CHS	CQ201F07	66.6	6.81	28,431	RW # 5
7/1/08	CHS	LG 81-07	73.46	6.18	50,244	RW # 6
7/1/08	CHS	GQ 80-07	70.65	6.42	44,850	RW # 7
7/1/08	CHS	GQ 80F07	54.43	8.34	52,618	RW # 8
7/1/08	CHS	GQ 80-07	70.39	6.45	44,822	RW # 9
7/1/08	CHS	LQ 200-07	75.82	5.99	62,283	RW # 10

7/1/08	CHS	LQ 200-07	73.59	6.17	62,384	RW # 11
7/1/08	CHS	LQ200-07	76.38	5.94	61,988	RW # 12
7/1/08	CHS	LQ200F07	62.19	7.30	62,193	RW # 13
7/1/08	CHS	IM29-07	68.94	6.59	58,996	RW # 14
7/1/08	CHS	IM29-07	71.82	6.32	59,056	RW # 15
7/1/08	CHS	IM29-07	69.11	6.57	59,040	RW # 16
7/1/08	CHS	IM29-07	67.79	6.70	55,180	RW # 17
7/1/08	CHS	IM29-07	68.66	6.61	62,505	RW # 18

Coded Wire Tag marking completed

Stock	# of Fish	Production Goal	% of Goal	Meeting Goal
CQ 201-07*	139,360	130,000	107.4%	YES
CQ 201-F-07*	100,753			
LG 81-07	50,244	250,000	20.10 %	NO
GQ 80-07	89,672	250,000	35.87 %	NO
GQ 80-F-07	52,618			
LQ 200-07	186,655	187,500	100.0 %	YES
LQ 200-F-07	62,193	62,500	99.51%	NO
IM 29-07	294,777	360,000	81.9 %	NO

*Surplus to Lookingglass

Fish Health

- Sam Onjukka was here on the 16th to do the monthly fish health examination. The following report is for June.

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ii. LSRCP Fish Health Examinations

A. Lookingglass Hatchery

BY2007 ChS – See summary below for July. No virus has been detected thus far this year. BKD testing results are pending for July. The hatchery crew reported seeing some black areas near the dorsal fin of fish in several of the raceways. The highest level of this was noted in the Catherine Creek Captive Broodstock progeny (201F07) fish in raceways 4 & 5. This was confirmed during Fish Health monthly examinations and appeared to be areas of possible bruising and could be related to the recent handling/marking/tagging process; definitive cause unknown.

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

Stock #	Stock Name	Culture Results	Comments
201W07	Catherine Creek Conventional	2/10 (20%) had low-moderate levels of aeromonad-pseudomonad (APS) bacteria	2/10 had tail erosion
201F07	Catherine Creek Captive Brood progeny	2/9 (22.2%) had APS bacteria	2/9 some external fungus on the tail and just anterior to the dorsal fin
80W07	Grande Ronde River Conventional	5/10 (50%) APS bacteria	2/10 had tail fungus and 1/10 had tail erosion
80F07	Grande Ronde River Captive Brood progeny	1/10 (10%) APS bacteria	1/10 had tail fungus and 2/10 had some scoliosis
8107	Lookingglass Creek	No significant levels of systemic bacteria detected	2/3 had tail erosion and one had tail fungus
200W07	Lostine River Conventional	6/10 (60%) APS bacteria	Later in July the hatchery crew reported increased numbers of scoliosis fish in mortality
200F07	Lostine River	5/10 (50%) had APS bacteria	1/10 tail erosion and tail fungus

	Captive Brood progeny		
2907	Imnaha River	8/10 (80%) had APS bacteria	3/10 had tail fungus

IV. ODFW Fish Health Examinations

Miscellaneous Mortalities – The table below summarizes the mortalities submitted in July.

Number of fish (mortalities) submitted for examination in July 2008

Location	Species ^a	Number	Comment
Lookingglass Hatchery	Sculpin	1	Found in raceway 18
Lookingglass Creek	Chinook	1	Trap mort

V. Communications

- A.** The three-month EBA position in the La Grande Fish Health Services Laboratory was filled. Meaghan Hammers, a Biochemistry graduate of Eastern Oregon University started working on August 1st.
- c:** T. Amandi, T. Bailey, C. Banner, S. Boe, D. Banks, K. Blakely, R. Carmichael, M. Chaney, L. Clarke, K. Clemens, P. Cleary, N. Craft, B. Duke, B. Eddy, M. Edwards, R. Elmore, M. Engelking, M. Flesher, J. Harbeck, R. Harrod, J. Hesse, Hermiston R&D, T. Hoffnagle, G. James, B. Johnson, K. Johnson, B. Jonasson, J. Kaufman, P. Keniry, B. Knox, J. Krakker, J. Vogel, D. LaPoint, C. McAuley, M. McLean, B. Michaels, F. Monzyk, S. Patterson, S. Roberts, G. Rowan, J. Ruzycki, B. Smith, R. Stocking, J. Thorpe, T. Unterwegner, S. Vendshus, J. Vogel, T. White, B. Zimmerman, R. Zollman.

Maintenance:

BY HATCHERY CREW:

- Repaired automatic feeders on the raceways.
- Assisted in cleaning debris from intake.
- Repaired JD 755 mower.
- Repaired JD 170 mower.
- Completed box for recycling ~ the box is designed to be loaded in the back of a pickup by forklift and when reaching the recycling center, the front is unlatched and the recycling materials are easily accessed and unloaded.
- Repaired tire JD 318.
- Repaired D.O. Meters
- Cleaned, repaired, and sealed the van trailer we use for storage for our outdoor tools
- Cleaned freezers
- Replaced tires to the Dodge Diesel Pickup
- Painted OSHA yellow stripes on all tripping hazards.
- Fire hosed off the asphalt and checked fire protection system, hoses, and supplies at the same time
- Painted TW2 Well regulation tank stairs OSHA yellow
- Built prototype head box and screens for use in our raceways
- Painted all lids to valves and relabeled
- Repaint and repair Lookingglass Hatchery signs on the main road and end of Lookingglass road. Cleaned up the area around the signs, re-spread beauty bark

- Replaced all the water valves for the water supply to the incubators; from ball valves to brass slide gate valves for better accuracy in adjusting water flows
- Crew prepared the spawn room and incubation room ready for spawning
- Mounted our 250 gallon slip tank in our Dodge Diesel Pickup for transporting adult brood stock to LGH and out-plants to Big Sheep Creek and Lick Creek

BY CONTRACTORS:

- **Bio-Oregon Feeds -**, BioVita Fry 1.5mm, 2.0mm, 1.5mm/Medicated 2.25%, 2.0mm/Medicated 2.25%
- **Pendleton Grain Growers –** pulled one of our Traveling Water Screen pumps to repair and reinstalled it

NPDES Waste Discharge Permit Monitoring

- Chemical usage log was updated

Public Outreach:

- Numerous visitors continue to visit the facility. Crewmembers are giving personal tours to groups of visitors, showing them the adult Spring Chinook Salmon Broodstock on station.

Miscellaneous:

- Volunteer picked up parts and supplies from town and delivered them to the hatchery
- Volunteer picked up feed at Bio-Oregon in Vancouver, WA
- Our Volunteer took the garbage to City Garbage Service

Personnel:

- Seasonal Technician Donna Viss was selected for a limited duration position at Willamette Hatchery. She started there July 14th.
- Roger Elmore and Diane Deal attended the Fish Division meeting held at Hoke Hall at EOU on the 30th of July
- Roger Elmore and Diane Deal attended cross training at Salem Headquarters with Shari Beals in Fish Division on the Hatchery Management Information System
- Since Diane Deal was the Technician of the Year Award recipient in 2007, she was on the committee to choose the NE Regional award recipients in 2008.

Safety:

- The monthly safety meeting was held July 28th and was regarding railing and walkway safety.

Other:

- Bud Hook, Nathaniel Ashley, & Donna Viss received their forklift certification to operate our Hyster gasoline forklift and our electric power jack

Innaha Adult Trap and Acclimation Facility:

Innaha Monthly Progress Report Pending

The weir was installed on July 10th at Innaha by: Diane Deal, Nathaniel Ashley, Bud Hook, and Chad Aschenbrenner from Wallowa Fish hatchery.

We began trapping adults immediately.

Trapping activities are as follows:

Roger – you might insert your Innaha data in this section

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
Duane Banks
Guy Chilton
Muhammad Latif
Todd Hanna
Roger Elmore
Bill Barnes
Diane Deal
Albert Pollreisz
Brian Johnson
Tim Helwick

Wallowa Hatchery
Oxbow Hatchery
ODFW, Salem Hdqrts
ODFW, Salem Hdqrts
Mt. Hood CC
Lookingglass Hatchery
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