

Oregon Department of Fish and Wildlife

Lookingglass Hatchery Monthly Progress Report

Reporting Month: August 2009
Author(s) : Roger Elmore

Fish Culture:

Chinook trapping continued throughout August at Imnaha and Lookingglass. On August 6, Chinook were released into upper Lookingglass Creek to spawn naturally in accordance with AOP guidelines. There were 14 males, 10 females, and 7 jacks of hatchery origin released and 19 males, 32 females, and 8 jacks that were unmarked released for a total of 90 fish released. At the end of August, there were 2,980 hatchery fish and 243 unmarked fish that had been trapped at Imnaha and 220 hatchery fish and 178 unmarked fish trapped at Lookingglass. Spawning began on August 13 with one Grande Ronde female being ready to spawn. By the end of the month, for all stocks combined, 188 females had been spawned resulting in approximately 840,139 green eggs taken. Research and fish health specialists processed Imnaha weir and trap morts.

Maintenance:

Repairs to the roof and replacement air vents were installed by McMillen and Co. of Boise. Also, work was completed on the visitor center room with new sheetrock installed and a coating of fresh paint applied. One load of crushed rock was delivered and placed on top of the vehicle storage area near the boneyard.

NPDES Waste Discharge Permit Monitoring

NPDES sampling was not performed in August.

Miscellaneous:

Roger and Bud Hook attended the Northeast Regional meeting in Pendleton. Bud received an award for outstanding seasonal employee of the year. Jeremy Sommer, fisheries technician at Wallowa Hatchery and part time at Lookingglass was commended for his professionalism while on duty at the Imnaha Facility. Chris Starr, Brad Senatra, Scott Patterson, representatives from McMillen and Co., and architectural firm Calvin Jordan held an onsite meeting to discuss the design and build of the proposed new residences and infrastructure needs to accompany the new residences on August 12. The annual physical inventory was completed and submitted. Bid quotes for new tail screen materials were submitted to the Lower Snake office. Mary Hoverson and Tracie Wyllie from the Northeast Region office came to take pictures and help with the spawning process on August 20. Laura Tesler from HQ came to observe on August 27 as did Bob Swingle. Bob is a web developer for ODFW and took some video for use in a larger hatchery presentation and for informational spots on YouTube. Scott Favrot and Jeff Yankee are conducting an

experiment using Catherine Creek fingerlings. They surgically implanted radio transmitters into a test group of 30 fish. If the fish survive the experiment will become a field test to implant radios into unmarked/natural Catherine Creek fingerlings in Catherine Creek to try and track the fish to see where they over winter in Catherine Creek. The experiment is being funded by the Bureau of Reclamation. Mike Herr entered Lookingglass Creek trap data into the Hatchery Management Database System. The Rusty Wheels antique car club came for a tour of the hatchery. Donna Barnes volunteered to give the tour.

Personnel:

No personnel activity took place this month.

Safety:

The monthly safety meeting was held August 24. New report forms for filling out Preliminary Incident and Near Miss Analysis situations were discussed. Emphasis was placed on the employees' responsibility in filling out the forms and in a timely manner.

Fish Production and Distribution:

Fish in Raceways

Pond #	Species	Stock	Number of Fish	lbs of fish	F/lb	grams/Fish
1	CHS	CQ 201-08	73,496	1,564	47.0	9.7
2A	CHS	CQ 201-08	39,311	914	43.0	10.5
2B	CHS	CQ 201-F-08	35,246	719	49.0	9.3
3	CHS	LG 81-08*	74,157	2,060	36.0	12.6
4	CHS	LG 81-08*	80,886	2,311	35.0	13.0
5	CHS	GQ 80-08	42,454	1,213	35.0	13.0
6	CHS	GQ 80-F-08	64,977	1,203	54.0	8.4
7	CHS	GQ 80-F-08	65,141	1,329	49.0	9.3
8	CHS	GQ 80-F-08	61,198	1,113	55.0	8.2
9	CHS	LQ 200-08	62,085	1,826	34.0	13.3
10	CHS	LQ 200-F-08	62,167	1,381	45.0	10.1
11	CHS	LQ 200-08	62,125	1,726	36.0	12.6

12	CHS	LQ 200-08	61,399	1,616	38.0	11.9
13	CHS	IM 29-08	67,016	1,971	34.0	13.3
14	CHS	IM 29-08	66,988	1,861	36.0	12.6
15	CHS	IM 29-08	67,305	2,040	33.0	13.7
16	CHS	IM 29-08	67,341	2,041	33.0	13.7
17	CHS	IM 29-08	67,177	1,679	40.0	11.3
18	CHS	IM 29-08	60,904	1,603	38.0	11.9
Totals/Average			1,181,373	30,170	40.5	11.5

*103,060 at Irrigon

Stock	# of Fish	Production Goal	% of Goal	Meeting Goal
CQ 201-08	112,807	130,000	113.9	YES
CQ 201-F-08	35,246			
LG 81-08^	258,103	250,000	117.3	YES
GQ 80-08	42,454	250,000	93.5	NO
GQ 80-F-08	191,316			
LQ 200-08*	185,609	187,500	99.0	NO
LQ 200-F-08	62,167	62,500	99.5	NO
IM 29-08	396,731	360,000	110.2	YES

^ includes 103,060 fish at Irrigon Hatchery

*66,820 released as parr

Fish Health

Fish pathology performed monthly sampling on August 12. The August report will be combined with the September report and issued later. Below is the July report.

II. LSRCP Fish Health Examinations

A. Lookingglass Hatchery

BY2008 ChS – We conducted monthly monitoring on June 24 and July 21 – see combined summary table below. A 28-day Aquamycin feeding was given to all BY2008 fish July 2-30 after marking was completed. All BY2008 fish tested for virus were negative and no BKD has been detected thus far with this brood year – some results are pending. There were some raceways that had some fish with a white open wound anterior to the dorsal fin. This was most pronounced in raceways 1, 2A, 3 & 4 and appeared to be caused by a mechanical injury of

some sort. In early June there was some increased loss in Imnaha raceway 17 that subsided later in June. All eight fish examined had tail erosion and four had tail fungus; 3/8 (37.5%) had *Flavobacterium psychrophilum* (CWD bacteria). Formalin treatments were administered to these fish and to all stocks post marking.

June/July Fish Health summary for BY2008 spring Chinook juveniles on hand at Lookingglass Hatchery

Stock #	Stock Name	Culture Results	Comments
201W08	Catherine Creek Conventional	1/20 CWD (moderate level) and 6/20 aeromonad pseudomonad (APS) bacteria	17/20 examined in June/July combined had open wound anterior to dorsal fin
201F08	Catherine Creek Captive Brood progeny	7/20 APS, 2/20 internal fungus	
80W08	Grande Ronde River Conventional	6/18 APS	4/18 examined in June/July combined had open wound anterior to the dorsal fin
80F08	Grande Ronde River Captive Brood progeny	9/20 APS	3/20 examined in June/July combined had open wound anterior to the dorsal fin. 2/10 tail fungus
8108	Lookingglass Creek	8/20 APS	17/20 examined in June/July combined had open wound anterior to dorsal fin
200W08	Lostine River Conventional	12/20 APS, 1/20 internal fungus	4/20 examined in June/July combined had open wound anterior to dorsal fin, 4/20 tail fungus
200F08	Lostine River Captive Brood progeny	1/20 CWD (low level), 14/20 APS	4/20 examined in June/July combined had open wound anterior to the dorsal fin
2908	Imnaha River	1/20 CWD (low level), 8/20 APS	5/20 examined in June/July combined had open wound anterior to the dorsal fin, 3/20 tail fungus

Adult Mortality Examinations, Grande Ronde 80.00 ChS – We examined 10 adult mortality including a sub-sample of eight fish from an increased loss event on 7/14/09. No consistent disease signs were found to suspect death due to any fish pathogen. Five of 10 had various levels of APS bacteria. BKD ELISA results are pending.

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
Joe Feldhaus	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
Shawn Sealey	Nez Perce, Enterprise
Mary Edwards	Nez Perce, Enterprise
Cameron Albee	Nez Perce, Enterprise
Mike Gribble	Irrigon Hatchery
Marla Chaney	Bonneville Hatchery
Guy Chilton	ODFW, Salem HQ
Muhammad Latif	ODFW, Salem HQ
Roger Elmore	Lookingglass Hatchery
Diane Deal	Lookingglass Hatchery