

Oregon Department of Fish and Wildlife

Lookingglass Hatchery Monthly Progress Report

Reporting Month: April 2009
Author(s) : Roger Elmore, Albert Pollreisz

Fish Culture:

Transporting smolts for acclimation ended in early April with the delivery of 123,584 Lostine stock smolts to the Lostine River Acclimation Facility. Also, volitional releases of Imnaha stock smolts ended on April 15th with the remaining smolts in the pond (~1,000) forced out into the Imnaha River. A total of 293,863 smolts were released. At Lookingglass Hatchery, volitional releases of Lookingglass stock smolts and Catherine Creek stock smolts from the Captive Broodstock program were forced out into Lookingglass Creek on April 14. A total of 50,027 Lookingglass smolts and 100,450 Catherine Creek stock smolts were released. All outside raceways were pressure washed and disinfected and preparations are underway to start moving BY 08 fingerlings from inside rearing troughs to outside raceways in early May. A total of 103,060 Lookingglass stock smolts were transferred to Irrigon Hatchery for rearing until late September. The transfer was made due to lack of rearing space at Lookingglass. BY 08 fish are doing well and it is anticipated they will be to size for fish marking which is scheduled to commence on June 1. Roger Elmore and Mike Herr assisted Wallowa Fish Hatchery with steelhead spawning on April 8.

Roger, Joseph Feldhaus, Sally Gee, Steve Boe, and Carrie Crump discussed improvements for the Chinook trap data collection forms and how to better keep track of pre-spawn mortalities. Also, discussed were streamlining efforts to collect data from weir mortalities at the Imnaha Facility.

Maintenance:

A part of the road shoulder along the narrow roadway into Lookingglass Hatchery slid off into Lookingglass Creek. With high spring runoff anticipated, the possibility of washing away the roadway base was very real. Emergency authorization to repair the damage was granted by the department of State Lands. The repair was made by Elwayne Henderson Logging using an excavator to place large boulders and fill material back into the slide footprint. Ladco Electric made repairs to the PLC system at the TW-2 tempering well restoring communications between the electrical operating system and backup diesel motor. Backup parts were ordered for the UV system. Screens were installed at the hatchery intake on April 27.

NPDES Waste Discharge Permit Monitoring

There were no NPDES activities in April.

Miscellaneous:

A Joint Application permit was submitted to the Army Corps of Engineers for authorization to perform in-stream maintenance work at the hatchery intake. The old Army Corps permit had expired. The Army Corps permit is required in addition to the Department of State Lands permit. Reed Fink, a Federal Occupational Health specialist, took mold samples from the areas where water leakage from the roof had damaged the sheetrock and building trusses. Mackenzie Kruse, a sixth grader from Elgin, spent the day out at the hatchery as part of career observation day on April 17. Mackenzie aspires to be a wildlife or fish biologist. A first edition of a Hatchery Operations Manual was completed in April. The manual is a dynamic document and contains information about daily, weekly, and seasonal hatchery operations. Roger continues to work on updating the HGMP's.

Personnel:

Request to Hire forms were submitted for fish markers in June and for two summer laborer positions.

Safety:

The monthly safety meeting was held April 29. The topic was what to do in case of a hazardous material spill. The Pollution Prevention Plan (PPP), Spill Prevention Control and Countermeasure Plan (SPCCP, Emergency Response Plan, and ODFW Policy on Responding to a Hazardous Material Spill were discussed.

Fish Production and Distribution:

Canadian Troughs BY 2008

CT #	Species	Stock	Number of Fish	lbs of fish	F/lb	grams/Fish
1	CHS	IM 29-08	52,243	245	213	2.1
2	CHS	IM 29-08	50,780	267	190	2.4
3	CHS	IM 29-08	51,132	248	206	2.2
4	CHS	IM 29-08	51,964	241	216	2.1
5	CHS	IM 29-08	49,419	230	215	2.1
6	CHS	IM 29-08	52,243	234	223	2.0
7	CHS	IM 29-08	51,786	189	274	1.7
8	CHS	IM 29-08	48,310	169	286	1.6
9	CHS	LG 81-08*	37,780	141	267	1.7
10	CHS	LG 81-08*	28,195	126	224	2.0
11	CHS	LG 81-08*	30,520	117	260	1.7
12	CHS	LG 81-08*	30,358	124	245	1.9
13	CHS	LG 81-08*	30,286	116	261	1.7
14	CHS	GQ 80-08	41,643	197	211	2.2
15	CHS	LQ 200-08	43,505	176	247	1.8
16	CHS	LQ 200-08	48,060	176	273	1.7

17	CHS	LQ 200-08	45,542	227	201	2.3
18	CHS	LQ 200-08	54,294	259	210	2.2
19	CHS	LQ 200-08	50,527	245	206	2.2
20	CHS	CQ 201-08	56,650	232	244	1.9
21	CHS	CQ 201-08	58,304	226	258	1.8
22	CHS	CQ 201-F-08	35,339	67	524	0.9
23	CHS	LQ 200-F-08	38,367	95	405	1.1
24	CHS	LQ 200-F-08	38,357	66	579	0.8
25	CHS	GQ 80-F-08	48,770	99	492	0.9
26	CHS	GQ 80-F-08	48,428	94	515	0.9
27	CHS	GQ 80-F-08	47,064	95	494	0.9
28	CHS	GQ 80-F-08	51,159	91	562	0.8
Totals/Average			1,271,025	4,794	265	1.7

*A total of 103,060 transferred to Irrigon.

Stock	# of Fish	Production Goal	% of Goal	Meeting Goal
CQ 201-08	114,954	111,800	102.8	YES
CQ 201-F-08*	35,339	35100	100.6	YES
LG 81-08*	157,139	251,800	103.3	YES
GQ 80-08	41,643	40,000	104.1	YES
GQ 80-F-08	195,421	196,000	99.7	No
LQ 200-08	241,928	248,500	97.3	No
LQ 200-F-08	76,724	62,500	122.7	YES
IM 29-08	407,877	399,000	102.2	YES
1,271,025				

*103,060 at Irrigon

Fish Health

Fish pathology performed monthly sampling on April 20. Water samples were collected to measure the effectiveness of the UV system.

II. LSRCP Fish Health Examinations

A. Lookingglass Hatchery

BY2008 ChS – We conducted monthly monitoring on April 20 – see summary table below. All BY2008 fish tested for virus were negative. There was ~44% reduction in total bacterial counts in post UV treated Lookingglass Creek water in April with a flow setting of ~1200 GPM (theoretical dose ~56,000 mw).

April Fish Health summary for BY2008 spring Chinook juveniles on hand at Lookingglass Hatchery

Stock #	Stock Name	Culture Results	Comments
201W08	Catherine Creek Conventional	7/10 aeromonad pseudomonad (APS) bacteria	
201F08	Catherine Creek Captive Brood progeny	2/4 APS bacteria	
80W08	Grande Ronde River Conventional	4/6 APS bacteria	
80F08	Grande Ronde River Captive Brood progeny	2/10 APS bacteria	
8108	Lookingglass Creek	2/7 APS bacteria	Monthly and pre-transfer examination
200W08	Lostine River Conventional	6/10 APS bacteria	
200F08	Lostine River Captive Brood progeny	1/7 had a low level of <i>Flavobacterium psychrophilum</i> (cold water disease bacteria) 6/7 APS bacteria	
2908	Imnaha River	1/10 low level CWD bacteria 5/10 APS bacteria	

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
Guy Chilton
Muhammad Latif
Roger Elmore
Diane Deal

Bonneville Hatchery
ODFW, Salem HQ
ODFW, Salem HQ
Lookingglass Hatchery
Lookingglass Hatchery