

Oregon Department of Fish and Wildlife

Lookingglass Hatchery Monthly Progress Report

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

Fish Culture:

Lookingglass Hatchery personnel moved BY 08 conventional parr to the outside raceways. Captive Broodstock progeny, which are slightly smaller in size than the conventional parr, are being kept inside in the Canadian troughs. Hatchery personnel were kept busy keeping weir pickets and the hatchery intake clean and clear of debris brought by spring run off conditions. The TW-2 well was turned off for the summer. Fish marking is scheduled to start on June 2. Bill Barnes and Brian Johnson spent 3 work days at the Imnaha Satellite Facility making modifications to the fish trap enclosure. Water to operate the trap and ladder was turned on May 27, however flows in the Imnaha River are still too high to install the weir.

Orders for 16 drums of formalin and additional fish food arrived in May.

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 trap and weir mortalities at the Imnaha Facility.

Maintenance:

Roy Skendzl, Facility Operations Specialist, from Irrigon assisted Bill Barnes in making repairs to the automatic Garon fish feeders. They discovered that several of the motors that drive the system had burned up and that the brushes in the motors still working were in need of replacement. They surmised that the motors had reached the end of their useful life. The backup generator at the Imnaha Satellite Facility required repairs. The generator was towed to Portland, repaired, and is now back at Imnaha.

NPDES Waste Discharge Permit Monitoring

There were no NPDES activities in May.

Miscellaneous:

Lookingglass Hatchery received a Saturn Vue vehicle to replace a pickup truck that had been turned in to Lower Snake. A representative from McMillen Construction of Boise, Idaho and a representative from Dacon's Clean Environment were here to assess damage and prepare bids for repairing the leaky hatchery building roof and for mold remediation. Work is expected to start in July on the repairs. Roger participated in a review and tour of the hatchery by the Columbia River Hatchery Review team. Recommendations from the review team will be discussed at a meeting in June. Diane Deal received management training in Salem. Completion of a

purchase of two acres of land closed on May 29. Lower Snake River Compensation Plan purchased the land from Forest Capital. The land is adjacent to the current residences at Lookingglass and will become the building site for two additional residences. Infrastructure construction is expected to start this summer with the possibility of having rough housing in place before winter. A tour was given to approximately 80 second graders from LaGrande.

Personnel:

All fish marking positions were filled and Nathaniel Ashley and Justin Hook were re-hired as summer laborers. Nathaniel and Justin are scheduled to start on June 1. Two performance evaluations were completed and submitted.

Safety:

The monthly safety meeting was held May 29. Topics covered were safe operation of the fish liberation truck and how to use an epipen. Upon examination of the fish liberation truck, it was decided to replace all tires as they were practically bald from 9 hard years of wear.

Fish Production and Distribution:

Rcwy #	Species	Stock	Number of Fish	lbs of fish	F/lb	grams/Fish
1						
2						
3	CHS	CQ 201-08	114,501	713	160.5	2.8
4						
5	CHS	LG 81-08	156,078	1,067	146.3	3.1
6	CHS	GQ 80-08	41,522	297	140.0	3.2
7						
8						
9	CHS	LQ 200-08	120,238	862	139.4	3.3
10	CHS	LQ 200-08	121,297	773	157.0	2.9
11						
12						
13						
14						
15	CHS	IM 29-08	102,871	851	120.8	3.8
16	CHS	IM 29-08	102,910	732	140.6	3.2
17	CHS	IM 29-08	101,268	670	151.2	3.0

18	CHS	IM 29-08	99,845	548	182.1	2.5
Totals/Average			960,530	6,514	148.7	3.1

CT #	Species	Stock	Number of Fish	lbs of fish	F/lb	grams/Fish
22	CHS	CQ 201-F-08	35,264	67	523.91	0.9
23	CHS	LQ 200-F-08	38,289	175	218.52	2.1
24	CHS	LQ 200-F-08	38,202	131	291.53	1.6
25	CHS	GQ 80-F-08	48,693	194	250.79	1.8
26	CHS	GQ 80-F-08	48,291	186	259.68	1.7
27	CHS	GQ 80-F-08	46,949	183	257.14	1.8
28	CHS	GQ 80-F-08	51,027	203	250.79	1.8
Totals/Average			306,715	1,140	293.2	1.7

*103,060 at Irrigon

Stock	# of Fish	Production Goal	% of Goal	Meeting Goal
CQ 201-08	114,501	111,800	102.4	YES
CQ 201-F-08	35,264	35,100	100.5	YES
LG 81-08*	156,078	251,800	76.0	YES
GQ 80-08	41,522	40,000	103.8	YES
GQ 80-F-08	194,960	196,000	99.5	NO
LQ 200-08	241,535	248,500	97.2	NO
LQ 200-F-08	76,491	62,500	122.4	YES
IM 29-08	406,894	399,000	102.0	YES

1,267,245

*103,060 at Irrigon

Fish Health

Fish pathology performed monthly sampling on May 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 May 20 – see summary table below. There were no reported fish problems and losses were at normal levels. All BY2008 fish tested for virus were negative. There was ~29% reduction in total bacterial counts in post UV treated Lookingglass Creek water in May with a flow setting of ~500 GPM (theoretical dose ~140,000 mw).

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

Stock #	Stock Name	Culture Results	Comments
201W08	Catherine Creek Conventional	3/10 aeromonad pseudomonad (APS) bacteria	
201F08	Catherine Creek Captive Brood progeny	No significant levels of systemic bacteria	
80W08	Grande Ronde River Conventional	No significant levels of systemic bacteria	
80F08	Grande Ronde River Captive Brood progeny	2/10 APS bacteria	
8108	Lookingglass Creek	No significant levels of systemic bacteria	
200W08	Lostine River Conventional	No significant levels of systemic bacteria	
200F08	Lostine River Captive Brood progeny	7/10 APS bacteria	
2908	Imnaha River	2/10 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	Bonneville Hatchery
Guy Chilton	ODFW, Salem HQ
Muhammad Latif	ODFW, Salem HQ
Roger Elmore	Lookingglass Hatchery
Diane Deal	Lookingglass Hatchery