

**La Grande Fish Health Services
LSRCP ANNUAL REPORT 2014**

Project Title: LSRCP Fish Health Services

Agency: Oregon Department of Fish and Wildlife

Agreement Number: 14110-B-J009

Name of Recipient: Oregon Fish Health Services

Reporting Period: 1 October 2013 - 30 September 2014

Fish Health Services
Oregon Department of Fish and Wildlife
One University Boulevard
217 Badgley Hall
Eastern Oregon University
La Grande, OR 97850

December 31, 2014

Introduction

La Grande Fish Health Services personnel conducted Fish Health monitoring throughout this reporting period. Annual broodstock inspections were conducted for summer steelhead and spring Chinook at LSRCP facilities in Northeast Oregon. Juvenile steelhead and spring Chinook were examined monthly and at pre-liberation examination time. All activities as outlined in the 2014 LSRCP AOP were executed as planned. In addition, La Grande Fish Health Services personnel responded to increased loss when called upon by facility managers.

Adult summer steelhead Fish Health Monitoring

Fish Health monitoring plans for steelhead broodstock are outlined in the 2014 LSRCP AOP (Appendix B). We collected samples for virus testing from a total of 200 steelhead broodstock (Table 1). Thirteen trips were made for all steelhead broodstock sample collections.

Juvenile summer steelhead Fish Health Monitoring

Fish Health monitoring plans for steelhead juveniles are outlined in the 2014 LSRCP AOP (Appendix B). We examined 180 BY 2013 steelhead juveniles in this report period (Table 2). Ten trips were made for these monitoring activities. One hundred-six BY 2014 steelhead juveniles were examined in this report period (Table 3). Four trips were made for these monitoring activities that included three increased loss examinations.

Adult spring Chinook Fish Health Monitoring

Fish Health monitoring plans for spring Chinook broodstock are outlined in the 2014 LSRCP AOP (Appendix H). We collected samples for virus testing from a total of 284 Chinook broodstock (Table 4). Four hundred eight females were tested for BKD by ELISA (Table 5). In addition we examined 53 adult spring Chinook mortalities throughout the broodstock sampling season (all stocks combined). A total of 13 trips were made for all Chinook broodstock sampling activities.

Juvenile spring Chinook Fish Health Monitoring

Fish Health monitoring plans for spring Chinook juveniles are outlined in the 2014 LSRCP AOP (Appendix E). We examined 613 BY 2012 spring Chinook juveniles in this report period (Table 6). Five trips were made for these monitoring activities. Three hundred eighty-eight BY 2013 spring Chinook juveniles were examined in this report period (Table 7). Eight trips were made to fulfill these monitoring activities.

Table 1. Number of LSRCP program summer steelhead broodstock tested for culturable viruses by La Grande Fish Health Services in 2014.

Stock	Location	Number tested	Number of Trips for Sample Collection
Wallowa	Wallowa Hatchery	133	6
Imnaha	Little Sheep Creek Satellite	67	7
Total		200	13

Table 2. Number of BY 2013 summer steelhead juveniles examined by La Grande Fish Health Services at LSRCP facilities, 1 October 2013 – 30 September 2014.

Stock	Brood Year	Location	Number Examined	Number of Fish Health Examination Trips
Wallowa	2013	Irrigon Hatchery	95	5 ^a
Wallowa	2013	Big Canyon Satellite	14	1
Wallowa	2013	Wallowa Hatchery	36	3
Imnaha	2013	Irrigon Hatchery	25	^a examined on same trip
Imnaha	2013	Little Sheep Creek Satellite	10	1
Total			180	10

Table 3. Number of BY 2014 summer steelhead juveniles examined by La Grande Fish Health Services at LSRCP facilities, 1 June 2014 – 30 September 2014.

Stock	Brood Year	Location	Number Examined	Number of Fish Health Examination Trips
Wallowa	2014	Irrigon Hatchery	57	4
Imnaha	2014	Irrigon Hatchery	49	4
Total			106	4 ^a

^aWallowa and Imnaha stocks examined on same trip

Table 4. Number of LSRCP program spring Chinook broodstock tested for culturable viruses by La Grande Fish Health Services in 2014.

Stock	Location	Number tested	Number of Trips for Sample Collection
Imnaha	Lookingglass Hatchery	60	3
Catherine Creek	Lookingglass Hatchery	44	5
Grande Ronde River	Lookingglass Hatchery	60	3
Lostine River	Lookingglass Hatchery	60	3
Lookingglass Creek	Lookingglass Hatchery	60	4
Total		284	11 ^a

^aMany trips combined spawning and sampling of several stocks for virus.

Table 5. Number of LSRCP spring Chinook broodstock tested for BKD ELISA by La Grande Fish Health Services in 2014.

Stock	Location	Number tested for BKD by ELISA	Number of Trips for Sample Collection
Imnaha	Lookingglass Hatchery	140	4
Catherine Creek	Lookingglass Hatchery	44	5
Grande Ronde River	Lookingglass Hatchery	68	4
Lostine River	Lookingglass Hatchery	74	4
Lookingglass Creek	Lookingglass Hatchery	82	5
Total		408	13 ^a

^aMany trips combined spawning and sampling of several stocks for BKD ELISA.

Table 6. Number of BY 2012 spring Chinook juveniles examined by La Grande Fish Health Services at LSRCP facilities, 1 October 2013 – 30 September 2014.

Stock	Brood Year	Location	Number Examined	Number of Fish Health Examination Trips
Imnaha	2012	Lookingglass Hatchery	119	5 ^a
Imnaha	2012	Imnaha Satellite	10	No trip to satellite since examined morts only
Catherine Creek	2012	Lookingglass Hatchery	115	^a examined on same trip
Catherine Creek	2012	CC Acclimation Site	10	Submitted by CTUIR
Grande Ronde River	2012	Lookingglass Hatchery	120	^a examined on same trip
Grande Ronde River	2012	GR Acclimation Site	10	Submitted by CTUIR
Lostine River	2012	Lookingglass Hatchery	122	^a examined on same trip
Lostine River	2012	LR Acclimation Site	10	Submitted by NPT
Lookingglass Creek	2012	Lookingglass Hatchery	97	^a examined on same trip
Total			613	5

Table 7. Number of BY 2013 spring Chinook juveniles examined by La Grande Fish Health Services at LSRCP facilities, 1 October 2013 – 30 September 2014.

Stock	Brood Year	Location	Number Examined	Number of Fish Health Examination Trips
Imnaha	2013	Lookingglass Hatchery	109	8 ^a
Catherine Creek	2013	Lookingglass Hatchery	74	^a examined on same trip
Grande Ronde River	2013	Lookingglass Hatchery	60	^a examined on same trip
Lostine River	2013	Lookingglass Hatchery	71	^a examined on same trip
Lookingglass Creek	2013	Lookingglass Hatchery	74	^a examined on same trip
Total			388	8

^aIncludes one additional loss examination trip for two stocks.