

**La Grande Fish Health Services  
LSRCP ANNUAL REPORT 2013**

Project Title: LSRCP Fish Health Services

Agency: Oregon Department of Fish and Wildlife

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Name of Recipient: Oregon Fish Health Services

Reporting Period: 1 October 2012 - 30 September 2013

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## **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 2013 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 2013 LSRCP AOP (Appendix B). We collected samples for virus testing from a total of 180 steelhead broodstock (Table 1). Twelve 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 2013 LSRCP AOP (Appendix B). We examined 187 BY 2012 steelhead juveniles in this report period (Table 2). Ten trips were made for these monitoring activities. One hundred-four BY 2013 steelhead juveniles were examined in this report period (Table 3). Five 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 2013 LSRCP AOP (Appendix J). We collected samples for virus testing from a total of 313 Chinook broodstock (Table 4). Three hundred thirty-eight females were tested for BKD by ELISA (Table 5). In addition we examined 67 adult spring Chinook mortalities throughout the broodstock sampling season (all stocks combined). A total of 15 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 2013 LSRCP AOP (Appendix E). We examined 678 BY 2011 spring Chinook juveniles in this report period (Table 6). Eleven trips were made for these monitoring activities. Four hundred sixty-five BY 2012 spring Chinook juveniles were examined in this report period (Table 7). Nineteen 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 2013.

Stock	Location	Number tested	Number of Trips for Sample Collection
Wallowa	Wallowa Hatchery	114	6
Imnaha	Little Sheep Creek Satellite	66	6
Total		180	12

Table 2. Number of BY 2012 summer steelhead juveniles examined by La Grande Fish Health Services at LSRCP facilities, 1 October 2012 – 30 September 2013.

Stock	Brood Year	Location	Number Examined	Number of Fish Health Examination Trips
Wallowa	2012	Irrigon Hatchery	82	6 <sup>a</sup>
Wallowa	2012	Big Canyon Satellite	9	1
Wallowa	2012	Wallowa Hatchery	17	2
Imnaha	2012	Irrigon Hatchery	69	<sup>a</sup> examined on same trip
Imnaha	2012	Little Sheep Creek Satellite	10	1
Total			187	10

Table 3. Number of BY 2013 summer steelhead juveniles examined by La Grande Fish Health Services at LSRCP facilities, 1 June 2013 – 30 September 2013.

Stock	Brood Year	Location	Number Examined	Number of Fish Health Examination Trips
Wallowa	2013	Irrigon Hatchery	66	5 (includes 3 loss exams)
Imnaha	2013	Irrigon Hatchery	38	4
Total			104	5 <sup>a</sup>

<sup>a</sup>Wallowa 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 2013.

Stock	Location	Number tested	Number of Trips for Sample Collection
Imnaha	Lookingglass Hatchery	74	4
Catherine Creek	Lookingglass Hatchery	49	5
Grande Ronde River	Lookingglass Hatchery	63	4
Lostine River	Lookingglass Hatchery	60	4
Lookingglass Creek	Lookingglass Hatchery	67	6
Total		313	13 <sup>a</sup>

<sup>a</sup>Many 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 2013.

Stock	Location	Number tested for BKD by ELISA	Number of Trips for Sample Collection
Imnaha	Lookingglass Hatchery	87	5
Catherine Creek	Lookingglass Hatchery	49	5
Grande Ronde River	Lookingglass Hatchery	66	4
Lostine River	Lookingglass Hatchery	69	6
Lookingglass Creek	Lookingglass Hatchery	67	6
Total		338	15 <sup>a</sup>

<sup>a</sup>Many trips combined spawning and sampling of several stocks for BKD ELISA.

Table 6. Number of BY 2011 spring Chinook juveniles examined by La Grande Fish Health Services at LSRCP facilities, 1 October 2012 – 30 September 2013.

Stock	Brood Year	Location	Number Examined	Number of Fish Health Examination Trips
Imnaha	2011	Lookingglass Hatchery	127	5 <sup>a</sup>
Imnaha	2011	Imnaha Satellite	10	1
Catherine Creek	2011	Lookingglass Hatchery	115	<sup>a</sup> examined on same trip plus an additional exam
Catherine Creek	2011	CC Acclimation Site	10	Submitted by CTUIR
Grande Ronde River	2011	Lookingglass Hatchery	159	<sup>a</sup> examined on same trip plus one loss exam
Grande Ronde River	2011	GR Acclimation Site	10	Submitted by CTUIR
Lostine River	2011	Lookingglass Hatchery	122	<sup>a</sup> examined on same trip plus an additional exam
Lostine River	2011	LR Acclimation Site	7	Submitted by NPT
Lookingglass Creek	2011	Lookingglass Hatchery	118	<sup>a</sup> examined on same trip plus two loss exams
Total			678	11

Table 7. Number of BY 2012 spring Chinook juveniles examined by La Grande Fish Health Services at LSRCP facilities, 1 October 2012 – 30 September 2013.

Stock	Brood Year	Location	Number Examined	Number of Fish Health Examination Trips
Imnaha	2012	Lookingglass Hatchery	106	10 <sup>a</sup>
Catherine Creek	2012	Lookingglass Hatchery	84	<sup>a</sup> examined on same trip
Grande Ronde River	2012	Lookingglass Hatchery	83	<sup>a</sup> examined on same trip
Lostine River	2012	Lookingglass Hatchery	88	<sup>a</sup> examined on same trip
Lookingglass Creek	2012	Lookingglass Hatchery	35	<sup>a</sup> examined on same trip
Lookingglass Creek	2012	Irrigon Hatchery	69	7
Total			465	19

<sup>a</sup>Includes one to three loss examinations for each stock.