

**La Grande Fish Health Services
LSRCP ANNUAL REPORT 2012**

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 2011 - 30 September 2012

Fish Health Services
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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 2012 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 2012 LSRCP AOP (Appendix B). We collected samples for virus testing from a total of 206 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 2011 LSRCP AOP (Appendix B). We examined 173 BY2011 steelhead juveniles in this report period (Table 2). Ten trips were made for these monitoring activities. Ninety-one BY2012 steelhead juveniles were examined in this report period (Table 3). Four trips were made for these monitoring activities that included one increased loss examination.

Adult spring Chinook Fish Health Monitoring

Fish Health monitoring plans for spring Chinook broodstock are outlined in the 2012 LSRCP AOP (Appendix J). We collected samples for virus testing from a total of 270 Chinook broodstock (Table 4). Three hundred seventy-one 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 thirteen 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 2012 LSRCP AOP (Appendix E). We examined 675 BY2010 spring Chinook juveniles in this report period (Table 6). Ten trips were made for these monitoring activities. Four hundred-eighty BY2011 spring Chinook juveniles were examined in this report period (Table 7). Twelve 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 2012.

Stock	Location	Number tested	Number of Trips for Sample Collection
Wallowa	Wallowa Hatchery	150	7
Imnaha	Little Sheep Creek Satellite	56	6
Total		206	13

Table 2. Number of BY2011 summer steelhead juveniles examined by La Grande Fish Health Services at LSRCP facilities, 1 October 2011 – 30 September 2012.

Stock	Brood Year	Location	Number Examined	Number of Fish Health Examination Trips
Wallowa	2011	Irrigon Hatchery	73	6 ^a
Wallowa	2011	Big Canyon Satellite	30	2
Wallowa	2011	Wallowa Hatchery	13	1
Imnaha	2011	Irrigon Hatchery	47	^a examined on same trip
Imnaha	2011	Little Sheep Creek Satellite	10	1
Total			173	10

Table 3. Number of BY2012 summer steelhead juveniles examined by La Grande Fish Health Services at LSRCP facilities, 1 June 2012 – 30 September 2012.

Stock	Brood Year	Location	Number Examined	Number of Fish Health Examination Trips
Wallowa	2012	Irrigon Hatchery	48	4 (includes 1 loss exam)
Imnaha	2012	Irrigon Hatchery	43	4
Total			91	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 2012.

Stock	Location	Number tested	Number of Trips for Sample Collection
Imnaha	Lookingglass Hatchery	63	5
Catherine Creek	Lookingglass Hatchery	45	4
Grande Ronde River	Lookingglass Hatchery	52	4
Lostine River	Lookingglass Hatchery	50	5
Lookingglass Creek	Lookingglass Hatchery	60	3
Total		270	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 2012.

Stock	Location	Number tested for BKD by ELISA	Number of Trips for Sample Collection
Imnaha	Lookingglass Hatchery	109	6
Catherine Creek	Lookingglass Hatchery	45	4
Grande Ronde River	Lookingglass Hatchery	74	4
Lostine River	Lookingglass Hatchery	62	6
Lookingglass Creek	Lookingglass Hatchery	81	5
Total		371	13 ^a

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

Table 6. Number of BY2010 spring Chinook juveniles examined by La Grande Fish Health Services at LSRCP facilities, 1 October 2011 – 30 September 2012.

Stock	Brood Year	Location	Number Examined	Number of Fish Health Examination Trips
Imnaha	2010	Lookingglass Hatchery	131	5 ^a
Imnaha	2010	Imnaha Satellite	40	1
Catherine Creek	2010	Lookingglass Hatchery	123	^a examined on same trip plus one loss exam
Catherine Creek	2010	CC Acclimation Site	10	Submitted by CTUIR
Grande Ronde River	2010	Lookingglass Hatchery	132	^a examined on same trip plus two loss exams
Grande Ronde River	2010	GR Acclimation Site	10	Submitted by CTUIR
Lostine River	2010	Lookingglass Hatchery	119	^a examined on same trip plus an additional exam
Lookingglass Creek	2010	Lookingglass Hatchery	110	^a examined on same trip
Total			675	10

Table 7. Number of BY2011 spring Chinook juveniles examined by La Grande Fish Health Services at LSRCP facilities, 1 October 2011 – 30 September 2012.

Stock	Brood Year	Location	Number Examined	Number of Fish Health Examination Trips
Imnaha	2011	Lookingglass Hatchery	120	8 ^a
Catherine Creek	2011	Lookingglass Hatchery	88	^a examined on same trip
Grande Ronde River	2011	Lookingglass Hatchery	131	^a examined on same trip
Lostine River	2011	Lookingglass Hatchery	102	^a examined on same trip
Lookingglass Creek	2011	Lookingglass Hatchery	19	^a examined on same trip
Lookingglass Creek	2011	Irrigon Hatchery	20	4
Total			480	12

^aWith the exception of the Lookingglass Creek stock, this includes one loss examination for each stock at Lookingglass Hatchery.