

**La Grande Fish Health Services
LSRCP ANNUAL REPORT 2015**

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 2014 - 30 September 2015

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 2015 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 2015 LSRCP AOP (Appendix B). We collected samples for virus testing from a total of 169 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 2015 LSRCP AOP (Appendix B). We examined 189 BY 2014 steelhead juveniles in this report period (Table 2). Eleven trips were made for these monitoring activities. Two hundred sixty-eight BY 2015 steelhead juveniles were examined in this report period (Table 3). Eight trips were made for these monitoring activities that included three additional trips for a bacterial cold water disease prevention trial.

Adult spring Chinook Fish Health Monitoring

Fish Health monitoring plans for spring Chinook broodstock are outlined in the 2015 LSRCP AOP (Appendix H). We collected samples for virus testing from a total of 302 Chinook broodstock (Table 4). Four hundred twenty females were tested for BKD by ELISA (Table 5). In addition we examined 122 adult spring Chinook mortalities throughout the broodstock sampling season (all stocks combined, including weir mortalities). A total of 16 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 2015 LSRCP AOP (Appendix E). We examined 641 BY 2013 spring Chinook juveniles in this report period (Table 6). Six trips were made for these monitoring activities. Three hundred sixteen BY 2014 spring Chinook juveniles were examined in this report period (Table 7). Nine 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 2015.

Stock	Location	Number tested	Number of Trips for Sample Collection
Wallowa	Wallowa Hatchery	110	6
Imnaha	Little Sheep Creek Satellite	59	6
Total		169	12

Table 2. Number of BY 2014 summer steelhead juveniles examined by La Grande Fish Health Services at LSRCP facilities, 1 October 2014 – 30 September 2015.

Stock	Brood Year	Location	Number Examined	Number of Fish Health Examination Trips
Wallowa	2014	Irrigon Hatchery	96	6 ^a
Wallowa	2014	Big Canyon Satellite	13	1
Wallowa	2014	Wallowa Hatchery	27	3
Imnaha	2014	Irrigon Hatchery	44	^a examined on same trip
Imnaha	2014	Little Sheep Creek Satellite	9	1
Total			189	11

Table 3. Number of BY 2015 summer steelhead juveniles examined by La Grande Fish Health Services at LSRCP facilities, 1 June 2015 – 30 September 2015.

Stock	Brood Year	Location	Number Examined	Number of Fish Health Examination Trips
Wallowa	2015	Irrigon Hatchery	86	5
Imnaha	2015	Irrigon Hatchery	182	8
Total			268	8 ^a

^aWallowa and Imnaha stocks examined on same trip. Additional Imnaha trips for cold water disease prevention trial.

Table 4. Number of LSRCP program spring Chinook broodstock tested for culturable viruses by La Grande Fish Health Services in 2015.

Stock	Location	Number tested	Number of Trips for Sample Collection
Imnaha	Lookingglass Hatchery	64	3
Catherine Creek	Lookingglass Hatchery	53	5
Grande Ronde River	Lookingglass Hatchery	61	4
Lostine River	Lookingglass Hatchery	64	5
Lookingglass Creek	Lookingglass Hatchery	60	4
Total		302	14 ^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 2015.

Stock	Location	Number tested for BKD by ELISA	Number of Trips for Sample Collection
Imnaha	Lookingglass Hatchery	135	4
Catherine Creek	Lookingglass Hatchery	53	5
Grande Ronde River	Lookingglass Hatchery	85	5
Lostine River	Lookingglass Hatchery	72	5
Lookingglass Creek	Lookingglass Hatchery	75	4
Total		420	16 ^a

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

Table 6. Number of BY 2013 spring Chinook juveniles examined by La Grande Fish Health Services at LSRCP facilities, 1 October 2014 – 30 September 2015.

Stock	Brood Year	Location	Number Examined	Number of Fish Health Examination Trips
Imnaha	2013	Lookingglass Hatchery	111	5 ^a
Imnaha	2013	Imnaha Satellite	41	1
Catherine Creek	2013	Lookingglass Hatchery	120	^a examined on same trip
Catherine Creek	2013	CC Acclimation Site	10	Submitted by CTUIR
Grande Ronde River	2013	Lookingglass Hatchery	110	^a examined on same trip
Grande Ronde River	2013	GR Acclimation Site	10	Submitted by CTUIR
Lostine River	2013	Lookingglass Hatchery	108	^a examined on same trip
Lostine River	2013	LR Acclimation Site	20	Submitted by NPT
Lookingglass Creek	2013	Lookingglass Hatchery	111	^a examined on same trip
Total			641	6

Table 7. Number of BY 2014 spring Chinook juveniles examined by La Grande Fish Health Services at LSRCP facilities, 1 October 2014 – 30 September 2015.

Stock	Brood Year	Location	Number Examined	Number of Fish Health Examination Trips ^a
Imnaha	2014	Lookingglass Hatchery	81	7
Catherine Creek	2014	Lookingglass Hatchery	37	6
Grande Ronde River	2014	Lookingglass Hatchery	60	7
Lostine River	2014	Lookingglass Hatchery	63	7
Lookingglass Creek	2014	Lookingglass Hatchery	75	9
Total			316	9

^aSix of these examinations were on the same trip for all stocks. Four additional trips were made for increased loss examinations comprising a total of four stocks.