

Lower Snake River Compensation Plan FY2015 Performance Report
Idaho Department of Fish and Game – Magic Valley Steelhead Hatchery
Species: A–Run and B-Run Summer Steelhead

FY2015 OBJECTIVES:

Objective 1: Adult Trapping and Broodstock Development

Report:

- A. No trapping or Broodstock Development at Magic Valley Fish Hatchery.

Objective 2: Spawning

Report:

- A. No Spawning at Magic Valley Fish Hatchery.

Objective 3: Incubation and Rearing

Report:

- A. Incubate and rear summer steelhead eggs and fish.
 - 1. Incubate and rear eggs and fish at appropriate lot levels: **Summer Steelhead**
This was successfully accomplished with 92.8% overall survival from eyed egg through marking. (e.g., Salmon River AOP).
 - 2. Collect and record appropriate physical and biological data during incubation and rearing. Summer Steelhead survival from eyed egg to stocking was 91.2%. A total of 364,053 pounds of feed was fed for a weight gain of 353,354 and a resulting feed conversion of 1.03. The final entire hatchery average rearing densities were under 0.3 D.I.
 - 3. Address objectives for Nez Perce Tribe and Shoshone-Bannock Tribe programs and work cooperatively implemented (including egg and fish transfers).
- B. Marking and Tagging
 - 1. Marking and tagging tasks will be addressed in a stand-alone Statement of Work.
- C. Fish Health
 - 1. Fish Health tasks will be addressed in a stand-alone Statement of Work.

Objective 4: Juvenile Fish Releases

Report:

- A. Annual release plans.
 - 1. Distribution of 1,581,960 BY 2014 Summer Steelhead smolts by contract personnel began on April 6, 2015 with the transport of Pahsimeroi stock smolts to the Red Rock direct release site and finished April 29, 2015 with the transport of Upper Salmon B smolts to the Yankee Fork Acclimation Ponds. Completed specific release sites and numbers include: Salmon River Red Rock (Pah A) 157,608, Salmon River Shoup Bridge (Pah A) 157,809, Salmon River Colston Corner (Pah A) 189,362, L. Salmon R Hazard Creek (Pah A) 376,531, L. Salmon

River Hazard Creek (USB) 33,698, Pahsimeroi Weir (Dwor B) 94,647, Pahsimeroi Weir (USB) 94,313, Yankee Fork 3rd bridge direct (Dwor B) 123,799, Yankee Fork 3rd bridge direct (USB) 174,023, Yankee Fork Acclimation Ponds (Dwor B) 65,624, Yankee Fork Acclimation Ponds (USB) 114,546.

- a. Fish loading and hauling information. All fish hauling services were contracted through Neil Ring Trucking. No unusual mortality events were reported during fish hauling.

Objective 5: Facility and Equipment Maintenance, Repair, Replacement

Report:

A. Maintain facilities and equipment.

During the year the following projects were completed:

1. An additional 200 feet of flex hose was purchased to aid in moving fish during marking.
2. Blade sharpening and servicing was performed on Walker and John Deere riding mowers.
3. Installation of metal siding of residences was completed by a vendor under a LSRCF contract.
4. Annual cleaning of feed elevators, metering cones and fines bins were completed prior to bulk feed use.
5. Gietzen Electric replaced a non-functioning metering valve switch for the south feed tower.
6. Reis plumbing repaired plumbing damaged by siding contractors.
7. A local contractor repaired the water heater in Residence D.
8. A local contractor repaired shaker systems on both feed towers.
9. Replaced worn tires on Cushman cart.
10. Staff replaced a non-functioning light fixture and exhaust fan in Residence A.
11. All parts of the feed storage and delivery system were serviced.
12. Hagerman National FH wood chipper was used to breakdown accumulated woody debris.
13. Completed annual irrigation system inspection and valve blowout to winterize.
14. Travelling bridge wheels were lubricated twice during the year.
15. Reis plumbing repaired leaky pipes in Residences A&C and a leaky shower in Residence D.
16. A local contractor replaced a non-functioning garage door motor in residence D.
17. Replaced solenoids in several of the outdoor raceway feeders.
18. Replaced the cooking stove repaired the toilet in Residence A.
19. Gietzen Electric replaced an arcing shoe connecting to the power bar on the bridge.
20. Replaced the broken table saw in the wood shop with a new one.
21. Completed annual hatchery building roof drain inspection.
22. Callen Refrigeration repaired the heat pumps in Residences A&D.
23. Hatchery staff realigned pillow blocks on a rail wheel to prevent the wheel from falling off the rail.

24. Hatchery staff replaced two of the outer wheels on the bridge.
25. Hatchery staff realigned bridge buss bar shoes to prevent excessive wear.
26. Reis plumbing excavated and repaired a broken outdoor geothermal drain pipe at Residence D.
27. Reis plumbing replaced a frozen valve preventing domestic water from reaching the hatchery building.
28. Hatchery staff replaced a broken spigot in the vat room.
29. Gietzen Electric replaced a non-functioning photocell for the flagpole light.
30. Reis plumbing ran a camera down the geothermal drain pipe in Residence B and installed a cleanout.
31. Indoor vats were pressure washed, chlorinated and prepared for BY 2015 steelhead eggs.
32. Hatchery staff test operated fish pump and tower in preparation of BY 2014 smolt releases.
33. Floyd Lilly Company replaced a damaged bearing on the VFD pump.
34. AC Electric Motor Service replaced a damaged bearing & an impeller on the water chiller pump.
35. Callen Refrigeration repaired a malfunctioning sensor that prevented the water chiller to function.
36. Disinfected all fish transport tankers used for BY 2014 smolt transport.
37. Hatchery lawn system was inspected, replacing sprinkler heads as needed.
38. Callen Refrigeration replaced malfunctioning heat pumps for the dorm and office.
39. Wickham Pipeline excavated and replaced the main 42 inch intake pipeline control valve.
40. Hatchery staff repaired a broken pipe in the vat room.
41. Hatchery staff repaired toilet in dorm.
42. Hatchery staff serviced two of the pressure washers.
43. Barry Rental repaired the Walker mower.
44. Outdoor raceways were pressure washed and prepared for BY 2015 steelhead.
45. State safety inspection was conducted on 6-24.
46. Carpets were professionally cleaned in residences.
47. Hatchery staff was fit tested and received medical certification for respirator use.
48. IDEQ completed an inspection of DMR's.
49. Outdoor (even raceways 10-16), headbox and water tower were chlorinated.
50. Outdoor (odd raceways 9-15) were salted for algae control.
51. Both pickups had oil changes.
52. Hatchery staff replaced a non-functioning emergency exit sign in the heated shop.
53. A local contractor repaired cracks in the outside raceways.
54. Callen refrigeration repaired the heat pump in Residence A.
55. Hatchery staff re-caulked the windows in the dorm.
56. A local contractor pumped out all of the septic tanks on site.
57. Reis plumbing replaced a pipe in the pump room.
58. Floyd Lilly Company repaired a leaking VFD pump in the pump room.
59. Hatchery staff replaced damaged grating at the intake.

Objective 6: Administration, Budgeting, and Reporting

Report:

- A. Provide administrative oversight, develop and manage budgets, and meet reporting requirements.
 - 1. Statement of Work and annual budget. Submitted to IDFG & LSRCP office in Boise, ID by due dates.
 - 2. FY 2015 Steelhead Brood Year report by January. Completed draft to be provided to Complex Manager Rick Lowell for final editing.