The LSRCP goal for the Magic Valley Steelhead Hatchery is to return 11,660 adult steelhead above Lower Granite Dam. Pertinent physical and biological data associated with all aspects of program operations are also collected. Program operations are detailed in the Salmon River Annual Operating Plan (AOP).

**FY2018 OBJECTIVES:**

**Objective 1:** Manage all operations and maintenance at the Magic Valley Steelhead Hatchery to achieve LSRCP goals. This also includes overseeing spending, all fish marking, fish transportation, and fish health activities associated with this program.

**Report:**

A. Provided administrative oversight, developed and managed budgets, and met reporting requirements. This included overseeing spending, fish marking, fish transportation and fish health activities associated with this program.

B. Adult Trapping and Broodstock Development
   1. No trapping or broodstock development at Magic Valley Steelhead Hatchery.

C. Spawning
   1. No Spawning at Magic Valley Steelhead Hatchery.

D. Incubation and Rearing
   1. Incubated and reared eggs and fish at appropriate lot levels. This was successfully accomplished with an 89.81% overall survival from eyed egg through marking for the Summer Steelhead.
   2. Collected and recorded appropriate physical and biological data during incubation and rearing. Summer Steelhead survival from eyed egg to stocking was 87.87%. A total of 341,719 pounds of feed was fed (including feed for surplus fish) for a weight gain of 295,751 pounds (poundage is for smolts released) and a resulting feed conversion of 1.0. (Conversion is for smolts released) The final hatchery rearing densities averaged 0.31 D.I.
   3. Addressed objectives for Nez Perce Tribe and Shoshone-Bannock Tribe programs and worked cooperatively (including egg and fish transfers).

E. Juvenile Fish Releases.
   a. Distribution of 1,431,940 BY 2017 Summer Steelhead smolts by contract personnel began on April 2, 2018 with the transport of Pahsimeroi stock smolts to the Pahsimeroi trap and finished May 1, 2018 with the transport of Upper Salmon River B-run stock smolts to the Yankee Fork Acclimation Ponds. Completed specific release sites and numbers include: Little Salmon River Stinky Springs (Pahsimeroi A-run) 407,820, Pahsimeroi Weir (Dworshak B-run) 93,690, Pahsimeroi Weir (Upper Salmon River B-run)
156,340, Yankee Fork 3rd bridge direct (Upper Salmon River B-run)
6,330,Yankee Fork Bridge direct (DWOR), 268,880, Yankee Fork
Acclimation Ponds (Upper Salmon River B-run) 189,620, Yankee Fork Ponds
(Upper Salmon River B-run) 27,720, Sawtooth Weir (SAW), 281,540. An
additional 53,660 surplus fish were stocked into Oakley Reservoir, and 92,410
into Magic Reservoir in September 2018. All smolt hauling services were
contracted through Niel Ring Trucking. No unusual mortality events were
reported during fish hauling.

**Objective 2:** Develop the facility annual operating budget, and submit to the LSRCP office by
June 15. The FY2018 operating budget was $435,781 (excluding fish feed and utilities paid
directly by LSRCP office). A separate maintenance and equipment needs list will be submitted
with the annual operating budget. Major maintenance and improvement projects will be
coordinated with the LSRCP office.

**Report:**
A. Facility annual budget was provided by due date and included the capital improvement
list for equipment and long term maintenance.
B. Project coordination included LSRCP and hatchery staff.
   The following projects were completed in FY18:
   - The hatchery irrigation system was winterized by staff.
   - IDWR came to the hatchery to calibrate the sharp crested weir.
   - The wood chipper was borrowed from USFWS, and the brush pile was chipped up.
   - Leaf fencing was set up.
   - The insurance company came to the hatchery to inspect the air compressor.
   - Fleet vehicles had the oil changed as needed.
   - A local vendor repaired the brakes on the trailer that carries the Miller welder.
   - Raceways were extended to full length.
   - A local contractor replaced malfunctioning bridge switches.
   - Hatchery staff replaced a damaged light on the wood chipper.
   - A local vendor repaired a shower in Residence A, a toilet in the visitor center
     restroom, and a sink in the break room.
   - Hatchery staff replaced a broken faucet in the fish exam room.
   - A local contractor cleaned out the wood stove chimneys in the residences.
   - Hatchery staff replaced tires in the Cushman as needed.
   - A contractor delivered a new crane.
   - Hatchery staff picked up a new Mule from Boise.
   - Picked up toothed wheels for the traveling bridge.
   - Hatchery staff used the man lift from Hagerman National Fish Hatchery to clean out
     the gutters and wash the windows at the residences.
   - A local contractor dug up and replaced two seized valves for the irrigation system.
   - A local contractor repaired the office heat pump.
   - A local contractor repaired the garage door at Residence D.
   - A local contractor put new tires on the tractor and forklift.
- Hatchery staff replaced the battery in the forklift.
- Lighting in the vat room was switched from incandescent/fluorescent to LED.
- The shower was replaced in Residence B.
- Hatchery staff replaced nonfunctioning solenoids in feeders as necessary.
- The residence kitchens were remodeled.
- Wade replaced a nonfunctioning lighting fixture in Residence C.
- Chris replaced a clogged condensate drain line in Residence D.
- Wade picked up a new forklift that will replace one of the older ones.
- Wade took the hatchery’s Mule into the dealership for recall repairs.
- A local contractor replaced the coil on the magnetic starter for the domestic water well pump after a blackout destroyed it.
- Raceways were salted to control algae growth.
- A local contractor repaired phone lines in Residence B.
- The vat room was disinfected in preparation to receive eggs.
- Incubators were inspected and repaired.
- Crowd racks were repaired to get ready for hauling.
- Liquid chlorine, sodium thiosulfate, iodophore, incubator pads, and brooms were ordered.
- Hatchery staff replaced worn out shoes on the buss bar on the bridge.
- Hatchery staff replaced a broken throttle cable on the fish pump tower.
- Hatchery staff repaired damaged O2 probes as needed throughout hauling season.
- Hatchery staff took the crane in for warranty work after a motor burned out.
- Hatchery staff pressure washed the raceways, all aluminum dam boards and raceway screens.
- Hatchery staff replaced a leaking hydraulic hose on the tractor.
- The secondary truck was turned in to fleet, and was replaced with a newer secondary truck.
- New hardware was purchased to allow the continued use of the PIT tag reader.
- A local contractor replaced a broken solenoid on the irrigation system.
- A local contractor replaced the ice machine.
- Hatchery staff repaired a broken chlorine pump.
- Hatchery staff built and deployed shade covers.
- A local contractor replaced the attic fans in Residences A and B.
- A local contractor replaced a malfunctioning motor on the North feed tower.
- A local contractor replaced a broken pipe under the asphalt on the northwest side of the raceways.
- A local contractor installed new shoes and brackets for the bridges’ buss bar.
- Hatchery staff repaired the riding lawnmower.
- A contractor replaced a nonfunctioning chilled water pump.
- Hatchery staff repaired damaged grating on the bridge.
- Annual carpet cleaning was completed.

**Objective 3:** Develop an annual facility Statement of Work, to be submitted to the LSRCP office by June 15.
Report:
  • SOW was provided to LSRCP by the due date.

Objective 4: Conduct annual safety inspections and submit findings to the LSRCP office by August 1.

Report:
  • Idaho Division of Building Safety personnel performed a safety review of the site. Two deficiencies were identified and both subsequently addressed.
  • Contractor performed the annual fire extinguisher, alarm panel, and sprinkler inspection.

Objective 5: Conduct annual facility condition assessments and submit findings to the LSRCP office by August 1.

Report:
  • Annual facility condition assessment was conducted. Participating parties included hatchery manager, Chris Jeszke, and Chris Starr, LSRCP.

Objective 6: Conduct annual real property and personal property inventories; coordinated with LSRCP personnel.

Report:
  • Federal inventory was conducted with Anna Ray, LSRCP.
  • State property inventory was completed.

Objective 7: Contribute to the development of the Salmon River AOP.

Report:
  • Contributions were made during the February 2018 AOP meeting, and in the post meeting follow up process.

Objective 8: Provide monthly inventory data to the LSRCP office by the 7th of each month.

Report:
  • This report has been discontinued by LSRCP.

Objective 9: Provide a written facility annual report to the LSRCP office, including the standardized LSRCP production tables (to be provided) to the LSRCP office by December 31. A progress summary of all ongoing hatchery research projects will be included in this report.

Report:
  • This annual report was submitted prior to December 31.
  • LSRCP Standardized Production Tables
**Steelhead:**

- Adult Return Goal: 11,660
- Smolt Release Target: 1,550,000
- Egg Collection Target: N.A.
- Broodstock Target: N.A.