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

**FY2016 OBJECTIVES:**

**Objective 1:** Manage all operations and maintenance at the Magic Valley Fish 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 Hatchery.

C. Spawning

1. No spawning at Magic Valley Hatchery.

D. Incubation and Rearing

1. Incubated and reared eggs and fish at appropriate lot levels. This was successfully accomplished with 87.3% overall survival from eyed egg through marking for summer steelhead.
2. Collected and recorded appropriate physical and biological data during incubation and rearing. Summer steelhead survival from eyed egg to stocking was 85.18%. A total of 357,733 pounds of feed was fed for a weight gain of 344,110 pounds and a resulting feed conversion of 1.04. The final entire hatchery rearing densities averaged 0.31 D.I.
3. Addressed objectives for Nez Perce Tribe and Shoshone-Bannock Tribe programs and work cooperatively implemented (including egg and fish transfers).

E. Juvenile Fish Releases.

1. Distribution of 1,526,620 BY 2015 summer steelhead smolts by contract personnel began on April 11, 2016 with the transport of Pahsimeroi stock smolts to the Red Rock direct release site and finished May 4, 2016 with the transport of Dworshak B smolts to the Yankee Fork Acclimation Ponds. Specific release sites and numbers (and brood source) were: Salmon River Red Rock (Pahsimeroi A-run) 94,000; Salmon River Shoup Bridge (Pahsimeroi A-run) 94,310; Salmon River Colston Corner (Pahsimeroi A-run) 111,200; L. Salmon R Stinky Springs
(Pahsimeroi A-run) 204,020; L. Salmon River Stinky Springs (Upper Salmon River B-run) 157,700; L. Salmon River Stinky Springs (Dworshak) 49,130; Squaw Creek (Dworshak) 124,830; Pahsimeroi Weir (Dworshak B-run) 93,600; Pahsimeroi Weir (Upper Salmon River B-run) 155,000; Yankee Fork 3rd bridge direct (Dworshak B-run) 71,030; Yankee Fork 3rd bridge direct (Upper Salmon River B-run) 155,330; Yankee Fork Acclimation Ponds (Dworshak B-run) 160,500; and, Yankee Fork Acclimation Ponds (Upper Salmon River B-run) 55,970.

a. All fish hauling services were contracted through Neil Ring Trucking. No unusual mortality events were reported during fish hauling.

Objective 2: Develop the facility annual operating budget, to be submitted to the LSRCP office by June 15. The proposed FY2016 operating budget is $565,153 (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 prior to due date and included capital improvement list for equipment and long term maintenance.
B. Project coordination included LSRCP and hatchery staff.

During the year the following maintenance and improvement projects were completed:
- Chris Starr visited the facility to discuss maintenance needs.
- Both pickups had oil changes.
- A local contractor repaired a damaged seal on a VFD pump that was leaking water in the pump room.
- A local contractor replaced a broken pipe in the pump room.
- Hatchery staff replaced damaged grating at the intake.
- A local vendor repaired the chainsaw and weed eater.
- Hatchery staff replaced worn tires on Cushman cart.
- Hatchery staff completed the annual roof drain inspection.
- Residence garage doors were painted by hatchery staff.
- A local contractor installed a security gate.
- A contractor repaired the security gate.
- A contractor installed two additional solar panels to keep the new security gate functioning.
- Travelling bridge wheels were lubricated twice during the year by hatchery staff.
- Hatchery staff replaced the sight line on the water tower.
- Expired smoke detectors were replaced in all residences by hatchery staff.
- Hatchery staff replaced a broken solenoid in a shower in Residence A.
- Hatchery staff replaced several faucets in Residence D.
- A local contractor replaced the roof-mounted motor in a broken exhaust fan in the dorm.
• Hatchery staff repaired a toilet in the dorm.
• A local contractor installed a new drinking fountain in the visitor center.
• A local contractor repaired the ice machine.
• A local contractor replaced a non-functioning valve in the irrigation system near Residence A.
• Hatchery staff replaced a broken solenoid on raceway feeder #15.
• A local contractor snaked out a clogged drain in Residence B.
• A contractor installed a fire suppression system in the dorm.
• A damaged windshield was replaced on one of the pickups.
• A local contractor replaced two malfunctioning hose bibs on the hatchery building.
• Hatchery staff installed a new hybrid water heater and a water softener in Residence A.
• A new dishwasher was purchased for and installed in Residence B by hatchery staff.
• Hatchery staff repaired a broken light fixture in Residence C.
• Hatchery staff repaired bridge grating.
• Hatchery staff completed redesign project for valves in vat room.
• Hatchery staff repaired cabinets in Residences C and D.
• Hatchery staff repaired crane in preparation for hauling.
• Hatchery staff aligned and reattached pillow block collars on the bridge.
• Hatchery staff repaired a toilet in Residence A.
• Hatchery staff replaced the batteries in the Cushman cart.
• Hatchery staff repaired the trailer mounted weed sprayer.
• A local contractor repaired a broken irrigation pipe connection.
• Hatchery staff repaired irrigation piping.
• Dorm kitchen dining table was replaced.
• A local contractor repaired the walker mower.
• The washing machine in the dorm was replaced.
• Cleanouts were installed in the indoor rearing vats.
• Hatchery staff completed drywall repairs in Residence A.
• Hatchery staff performed welding repairs on East 9 A Q-zone valve.
• Hatchery staff cleaned up four trees that were knocked down in wind storms.
• A local contractor replaced a roof mounted exhaust fan in the shop bathroom.
• Annual fire extinguisher inspection was completed.
• Hatchery staff expanded the irrigation system.
• A local contractor repaired a malfunctioning light in the vat room.
• A local contractor installed new wood stoves in the residences.
• New pressure washers were purchased.
• New incubation jars were purchased.
• New doors were purchased for Residence C.
• New lights and blinds and fans were purchased and installed in Residences C and D.
• Hatchery staff purchased irrigation pipe to use during fish marking.

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 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. No deficiencies were noted.
- Jim Forsyth, USFWS fire management worker, toured the facility, and a contractor inspected the fire alarm and fire suppression systems.

**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 the hatchery manager and Chris Starr, LSRCP.

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

Report:

- Federal inventory was conducted via e-mail with Renee Heeren, LSRCP.
- State property inventory was submitted in December 2016.

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

Report:

- Contributions were made during the February 2016 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:

- Fish production inventory data was provided electronically to LSRCP office on a monthly basis prior by the 7th of each month.

**Objective 9:** Provide a written facility annual report to the LSRCP office, including the standardized LSRCP production tables 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:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adult Return Goal</td>
<td>11,660</td>
</tr>
<tr>
<td>Smolt Release Target</td>
<td>1,540,000</td>
</tr>
<tr>
<td>Egg Collection Target</td>
<td>N.A.</td>
</tr>
<tr>
<td>Broodstock Target</td>
<td>N.A.</td>
</tr>
</tbody>
</table>