Lower Snake River Compensation Plan FY2018 Performance Report
Idaho Department of Fish and Game – McCall Fish Hatchery

The LSRCP goals for the McCall Fish Hatchery are to return 8,000 adult (summer) Chinook salmon above Lower Granite Dam. In addition to managing the McCall Hatchery the staff also oversees operations at a satellite facility on the South Fork of the Salmon River near Warm Lake to achieve the LSRCP goals. 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 McCall Fish Hatchery and the South Fork Salmon River Satellite facility, to achieve LSRCP goals. This also includes overseeing spending, all fish marking, fish transportation, and fish health activities associated with this program.

Report:
- BY16 smolt release of 1,122,651 segregated and integrated stocks into the South Fork Salmon River at Knox Bridge in April.
- Currently BY17 Fish on station include 1,107,739 segregated and integrated SUCH scheduled to be released in April of 2019.
- 1,509 Adults and 356 Jacks for a total of 1,865 SUCH were trapped at the South Fork weir during 2018.
- The BY18 South Fork egg collection yielded 1,949,229 segregated and integrated green eggs from 450 female SUCH.
- 206,726 green eggs were shipped to Clearwater Fish Hatchery.
- The Shoshone Bannock Tribe received 313,649 segregated BY18 eyed eggs for the egg box project.
- There are 954,682 South Fork Salmon BY18 segregated fry, 137,080 South Fork Salmon BY18 integrated fry, and 129,036 JCAPE fry on hand at the end of November 2018 for production at the MCFH.
- All SUCH smolts and adults were transported by MCFH staff or other IDFG staff paid by the hatchery budget.
- BY17 Fish were marked and PIT tagged by Pacific States Fish Marking Crew following pertinent year mark plan in the 2017 Salmon River AOP.
- Hatchery staff actively monitored and managed fish health throughout the year. A serious Ichth outbreak occurred this September and Eagle Fish Health Laboratory (EFHL) staff provided guidance for treatment and all other fish health issues and completed periodic fish health inspections, annual pre-release inspection, and sample collection and analysis at spawning. EFHL and hatchery staff also conducted the annual MCFH bio-security audit.

Objective 2: Develop the facility annual operating budget; to be submitted to the LSRCP office by June 15. The FY2017 operating budget is $505,934. A separate maintenance and equipment needs list will be submitted with the annual operating budget. Major maintenance and
improvement project will be coordinated with the LSRCP office.

Report:
- Facility annual budget was provided prior to due date and included capital improvement list for equipment and long term maintenance.
- Project coordination included LSRCP and hatchery staff.
- Building and grounds improvements in FY2018 included:
  
  **Hatchery Building/Office/Dorm:**
  - New alarm system installed and operational
  - Built 4 storage units in front of the shop for gear storage
  - Painted incubation floor and walls
  - Installed 6” ball valve on the incubation supply line
  - Installed an aluminum head tank to supply incubators in Vats 13 & 14
  - Removed wood vat splash boards and replaced with aluminum panels
  - New couches for the dorm/trap trailer

  **Grounds:**
  - Hazard tree removal in front of Res #1
  - Leveled parking area on the south end of the property

  **Residence #1:**
  - Installed new kitchen and dining room light fixtures and ceiling fan in the living room
  - Professional carpet cleaning

  **Residence #2:**
  - Installed new kitchen and dining room light fixtures and ceiling fan in the living room
  - Stained wood fence

  **Residence #3:**
  - Installed new kitchen and dining room light fixtures and ceiling fan in the living room
  - Stained wood fence

  **South Fork Trap:**
  - Installed wash-down water supply line to spawning area
  - Purchased building kit to extend the roof over the spawning area and HP3
  - Rented back-up recirc pump system again this year, (~$9,000)

**Objective 3:** Develop an annual facility Statement of Work, to be submitted to the LSRCP office by June 17.
Report:
- SOW was submitted by June 15.

**Objective 4:** Conduct annual safety inspections and submit findings to the LSRCP office by August 1 (checklist to be provided by LSRCP).

Report:
- Neither the Idaho Division of Building Safety nor any Federal safety inspection was performed this year. We did continue to address safety issues identified in the 2017 Idaho DBS report.
- All staff are current in CPR and first aid
- All staff have been certified to operate ATV’s and UTV’s through the Idaho Off-Highway Vehicle Education program.

**Objective 5:** Conduct annual facility condition assessments and submit findings to the LSRCP office by August 1 (checklist to be provided by LSRCP).

Report: Chris Starr from LSRCP conducted the facility condition assessment this year.

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

Report:
- IDFG Annual Inventory submitted to the Fisheries Bureau in January 2018.
- IDFG Fiscal Year End Inventory was submitted to IDFG HQ on July 1, 2018.
- IDFG Real property audit was completed this year by Julie Hutchinson and Kathy Grover.

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

Report:
- Contributions were made to the Salmon River AOP pre-meeting, during the February meeting, and in the post-meeting follow-up process. MCFH staff was represented on all of the Tuesday conference calls from the first week of June through the first week of August. After spawning started, communication with Gene McPherson was made to ensure effective collaboration.

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

Report:
- This objective is no longer required as fish production inventory data is now accessible in the FINS database.

**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. (Other information needs for this report, to be determined).
Report:
- This written facility annual report was sent to LSRCP by HQ staff prior to December 31.
- LSRCP Standardized Production Tables:

**Summer Chinook Salmon (South Fork Stock):**

<table>
<thead>
<tr>
<th>Category</th>
<th>Goal/Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adult Return Goal</td>
<td>8,000</td>
</tr>
<tr>
<td>Smolt Release Target</td>
<td>1,050,000</td>
</tr>
<tr>
<td>Egg Collection Target</td>
<td>2,000,000*</td>
</tr>
<tr>
<td>Broodstock Target</td>
<td>1,100**</td>
</tr>
</tbody>
</table>

**Summer Chinook Salmon (Johnson Creek Stock):**

| Smolt Release Target | 150,000*** |

*Includes eggs taken to meet the 300,000 eyed egg request for the Shoshone-Bannock egg box program detailed in the Salmon River AOP. Also includes up to 600,000 green eggs sent to Clearwater hatchery as outlined in the Clearwater and Salmon River AOPs.

**This target number has was reduced in 2018 after improved pre-spawn mortality has been observed since 2015.

***Smolts reared at McCall Hatchery in cooperation with Nez Perce Tribal fisheries program, also detailed in the Salmon River AOP. This production goal was formally increased in 2018 to up to 150,000 smolts. Please contact Nez Perce fisheries staff for the most up to date JCAPE production information.