

Statement of Work 2012 Annual Report
Program: Magic Valley Fish Hatchery (MVFH)
Species: A –Run and B-Run Summer Steelhead

Objective 1 – Adult Trapping and Broodstock Development

Tasks:

1. No trapping or Broodstock Development at Magic Valley Fish Hatchery.

Objective 2 – Spawning

Tasks:

1. No Spawning at Magic Valley Fish Hatchery.

Objective 3 – Incubation and Rearing

Tasks:

1. Incubate and rear summer steelhead eggs and fish.
 - a. Incubate and rear eggs and fish at appropriate lot levels: **Summer Steelhead**
This was successfully accomplished with 93.83% overall survival from eyed egg through marking. (e.g., Salmon River AOP).
 - b. Collect and record appropriate physical and biological data during incubation and rearing. Summer Steelhead survival from eyed egg to stocking was 91.70%. A total of 344,448 pounds of feed was fed for a weight gain of 341,808 and a resulting feed conversion of 1.01. The final entire hatchery average rearing densities were under 0.3 D.I.
 - c. Address objectives for Nez Perce Tribe and Shoshone-Bannock Tribe programs and work cooperatively implemented (including egg and fish transfers).
 - d. No experiments or trials conducted for FY 2012. However, a feed trial has been initiated beginning on 12-3-12.
2. Marking and Tagging
 - a. Marking and tagging tasks will be addressed collectively in a stand-alone Statement of Work.
3. Fish Health
 - a. Fish Health tasks will be addressed collectively in a stand-alone Statement of Work

Objective 4 – Juvenile Fish Releases

Tasks:

1. Annual release plans.
 - a. Distribution of BY 11 Summer Steelhead smolts by contract personnel began on April 9, 2012 with the transport of Pahsimeroi stock smolts to the Red Rock direct release site and finished May 3, 2012 with the transport of Upper Salmon B smolts to the Pahsimeroi weir. Completed specific release sites and numbers include: EastFork Salmon River, Lower (DworB) 280,939, L. Salmon R Stinky Springs (DworB) 218,822, Squaw Ck (DworB) 281,101, L. Salmon R Stinky Springs (PahA) 187,448, Salmon R RedRock (PahA) 93,971, Salmon R Colston Corner (PahA) 94,018, Salmon R Shoup Br (PahA) 93,900, Salmon R McNabb Point (SawA) 124,047, Pahsimeroi Weir (USRB) 98,655, Pahsimeroi Weir (DworB) 88,704.

- b. Fish loading and hauling information. All fish hauling services were contracted through Neil Ring Trucking. Contract (F12PS00115 for Trucks and Drivers) No unusual mortality events were observed during fish hauling. However, on 5-1-12, truck #864 had an oxygen bottle unexpectedly run out. Another truck was contacted with a spare bottle. Fish Culturist Danielle Dorsch observed oxygen deprivation stress in the rear most tank while the remaining 4 tanks appeared unaffected. After changing the bottle, personnel waited for approximately 20 to 25 minutes for the rear compartment to respond to restored oxygen flow. All smolts from truck #864 were release at the Pahsimeroi Weir location. No unusual mortality was observed at that time and no reports of delayed mortality were received as well.

Objective 5 – Facility and Equipment Maintenance, Repair, Replacement

Tasks:

1. Maintain facilities and equipment.

During the year the following projects were completed:

- Through surplus LSRCF funds, received and installed a new television and DVD player in the hatchery dorm.
- Lubricated all the traveling bridge wheels.
- Performed repairs and Maintenance on the three-point tractor tiller.
- Installed new T-8 light fixture in Residence “D” kitchen.
- Installed new eye-wash station in break room.
- Winterized the hatchery irrigation system.
- Took in six new traveling bridge wheels to a local machine shop to have new axles installed.
- Had the large Clark fork-lift repaired.
- In addition to the annual cleaning, and inspection, of the bulk bin feed metering systems, hatchery personnel repaired the flow metering paddles in the north feed bin. A section of chain link most likely from Rangens jammed the paddles.
- Used the Hagerman National Hatchery man-lift to clean out residence rain gutters, repair bird netting, perform window repairs on residence ”C” and install a new motion security light on residence “A”.
- Replaced one drive-shaft idler wheel and one north edge wheel on the traveling bridge.
- A local contractor replaced the fish pump hydraulic motor and lines.
- Replaced three idler wheels on the traveling bridge.
- A local contractor replaced a buried leaking water valve with a new frost free valve.
- Repaired lift nuts on raceway lift gates.
- Purchased a 300 gallon agriculture tank to use for raceway disinfection. The tank also worked very well in providing water to pressure wash the aluminum intake grates at the hatchery springs.
- Installed new vat room floor drain grates. Also had a local contractor fabricate 400 tabs to attach the grates to the drains.
- Replaced a broken conductor bar shoe bracket on the traveling bridge.
- Fabricated and installed new access way for loading bulk feed with our Cushman Cart.

- A local contractor installed new bird netting over the outside production raceways.
- Indoor vats were pressure washed and disinfected prior to use.
- Outdoor raceways were pressure washed and disinfected prior to use.
- Inspected and serviced back-up hatchery trash pumps.
 - a. Annual IDFG and F&WS inventories were conducted by MVFH staff.
 - b. An itemized and prioritized list of deferred maintenance needs was submitted

Objective 6 – Administration, Budgeting, and Reporting

Tasks:

1. Provide administrative oversight, develop and manage budgets, and meet reporting requirements.
 - a. Statement of Work and annual budget. Submitted to IDFG & LSRCP office in Boise, ID by due dates.
 - b. FY 2012 Steelhead Brood Year report by? Draft completed will be sent to IDF&G Fisheries Bureau ASAP for final editing.