

The SHOSHONE-BANNOCK TRIBES

FORT HALL INDIAN RESERVATION
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January 12, 2010

To: Scott Marshall, LSRCP Program Manager
Steve Yundt, LSRCP Research Program Manager
Margaret Anderson, LSRCP Cooperative Agreement Specialist

FR: Lytle Denny, Program Manager 70

RE: **FWS Agreement No.: 141109J015FY**
2009 Quarterly Activity Report
July 1 – September 30, 2009

Supplementation Monitoring and Evaluation Program (SMEP)

Program Staff

Lytle Denny, Program Manager/Biologist
Kurt Tardy, Anadromous Fish Biologist
Carlos Lopez, Anadromous Fish Technician
Willie Hicks, Temporary Technician
Tyron Bronco, Temporary Technician
Cory Bradley, Temporary Technician.

General Statement

During this performance period, SMEP staff worked on the FY 2010 Statement of Work and Budget, acquired a signed MOA for the YFCSS, commented on the Hagerman NFH PIT tagging proposal and conducted field work activities associated with supplementation programs. The LSRCP FY2010 Statement of Work and budgets were broken into three categories: 1) YFCSS operations and maintenance, 2) YFCSS monitoring and evaluation, and 3) Harvest Monitoring.

Meetings

- August 26: Lytle Denny met Scott Marshall in Yankee Fork to discuss YFCSS program and LSRCP Funding.

Steelhead Streamside Incubation (SSI) Program Update

Upwellers were monitored twice weekly from installation on 4/29/2009 through removal on 8/2/2009. Staff recorded water condition, temperature, dissolved oxygen, conductivity, pH, and

embryo stage as well as cleaned and removed debris from head pipe screens. Upon full volitional emigration, hatch success was estimated from enumerating dead eggs in the incubator and dead fry in the catch tank. Fry seeded is estimated as the number of eggs planted minus the number of dead eggs enumerated. There were 497,049 total eggs planted in Panther and Indian Creeks combined. Overall survival equaled 98.9% with an estimated 491,761 fry seeded in the two tributaries. There were 513,412 total eggs planted in Yankee Fork. Overall survival equaled 77.7% with an estimated 408,450 fry seeded.

Yankee Fork Chinook Salmon Supplementation (YFCSS) Program Update

The Tribes operated the Pole Flat and Five Mile weirs from July through September and trapped 49 total adult Chinook salmon of which 29 were hatchery and 20 were natural. Six adult Chinook salmon were trapped at Five Mile weir, of which 3 were natural and 3 were re-captured hatchery fish. On July 2, the rotary screw trap was installed throughout the season. An additional 1,517 adult Chinook salmon, trapped at Sawtooth Fish Hatchery, were outplanted in Yankee Fork on July 14, 15, 17, 21, 22, 23, 24, 28, 29, August 6, 7, 21, 26, and September 2. In total 48 trips were made with 750 males and 767 females outplanted. Spawning ground surveys were conducted from August 18 – September 10, with 414 total redds identified, of which 366 were located above the Pole Flat weir. An additional eighteen bull trout were trapped at Pole Flat weir. Overall, we estimate 123 natural and hatchery adults returned to Yankee Fork in 2009 and an additional 1,517 Sawtooth hatchery adults were outplanted. Of the adults that returned naturally, 64 were hatchery (52.0%) and 59 were natural (48.0%). Yankee Fork natural fish were comprised of 26 males (44.1%) and 33 females (55.9%). Yankee Fork hatchery fish were comprised of 25 males (39.1%) and 39 females (60.9%). The total spawning aggregate comprised 1,640 adults with 1,581 hatchery (96.4%) and 59 natural (3.6%) creating 414 redds.

CC: C. Colter, SBT Fish and Wildlife Department
B. Wadsworth, SBT Contracts