

Southern Boundary Restoration and Enhancement Fund

Final Report

June 1, 2010 through May 31, 2011



*Washington
Department of*
**FISH and
WILDLIFE**

Submitted by
Fish Program
Washington Department of Fish and Wildlife
June 15, 2011

June 1, 2010 through May 31, 2011
Report for the South Fork Nooksack Chinook Captive Broodstock Implementation

TECHNICAL IMPLEMENTATION DETAILS

Approach: Purchase and installation of 2 16-foot round ponds for rearing to bring the total number of ponds up to 5. Eventually, there will be a need for a total of 10 rearing ponds for the captive brood. The request for funding of those ponds will be asked for in future years. The 2 new ponds will be placed in proximity of the existing 3, plumbed into the supply and drain lines and the alarm system installed for monitoring pond flow and security. Belt feeders installed for feeding fish with minimum human exposure.

The 12 months of staff funding is to support the increasing burden and complexity of fish culture, DNA sampling, PIT tagging, fish health monitoring, data entry, tracking and enumeration and technical reports associated with the program.

Schedule: June 2010 – Purchase of 2 round ponds
July-August 2010– installation of 2 round ponds.
September 2010 – initial use of round ponds.
June 1, 2010 – May 31, 2011 – Use of funding to staff Fish Hatchery Tech

Accomplishments:

One 20-foot diameter and six 16-foot fiberglass round ponds, two of which were specifically associated with this grant, were purchased and delivered to Kendall Creek Hatchery in December 2010. Installation of the round ponds began in May 2011. As of May 31, 2011 the 20-foot pond and 4 of the 16-foot round ponds had been installed. Completion of the supply and drain lines, as well as installation of the alarm systems and belt feeders will occur after May 31, 2011.

In June 2010, all 490 of the brood year 2009 South Fork Nooksack Chinook being reared at Kendall Creek Hatchery were PIT tagged and DNA sampled. In July 2010, 10 mature South Fork Nooksack Chinook were transferred to Skookum Creek Hatchery. In October 2010, the mature South Fork Nooksack Chinook from Kendall Creek Hatchery and Manchester Research Facility were spawned. In May 2011, the progeny resulting from that spawn event were released from Skookum Creek Hatchery. From June 1, 2010 to May 31, 2011, 268 brood year 2009 South Fork Nooksack Chinook were transferred to Manchester Research Facility.

Costs for this reporting period:

Salary and Benefits	\$ 42,159
Supplies and Materials	\$ 17,138
Sub Total	\$59,297
<u>Indirect/Overhead Costs</u>	<u>\$11,728</u>
TOTAL	\$71,025

The Supplies and Materials costs included the purchase of 2 16 ft round ponds and associated valve and piping, the cost of permitting the installation of the ponds and some minor purchase of support materials. Overall the purchase and installation of the ponds was more than that projected in the application but salary and benefit costs were slightly less. The net result was an over expenditure of \$451 of the funds awarded.