

Final Report: **Riparian Revegetation and Shoreline Rehabilitation in the Matanuska-Susitna Basin**
Award Recipient: **Alaska Department of Fish & Game**
Agreement Number: **70181BJ025- F11AC00672**
AFWFO Number: **71450B0554**
Date: **March 28, 2013**
Reporting Period: **May 1, 2011 – December 31, 2012**

Activities and Accomplishments

The objectives of this project were to (1) rehabilitate and enhance at least 400 feet of human impacted nearshore pacific salmonid habitat and riparian vegetation at a minimum of 3 sites; and (2) to provide direct Pacific salmonid habitat conservation and rehabilitation education to at least 15 landowners, public land managers and other project partners through planning and implementation of this project.

These objectives were met through the completion of six projects on Meadow, Wasilla and Government Creeks, and Big and Finger Lakes. These projects resulted in a total of 705 feet of restoration using brush layers, trenched willow, willow bundles and live staking. The above projects utilized 165' of brush layers, 400' of trenched willow, 100' of willow bundles and 40' of live staking. In addition, 1,130 square feet of riparian habitat was revegetated using native vegetated mat.

We worked with a number of different partners, including six private landowners, U.S. Fish and Wildlife Service, Wasilla and Upper Susitna Soil and Water Conservation Districts and associated Youth Conservation Crew members, Mat-Su Conservation Services, Alaska State Division of Forestry Intern Crew, and the Matanuska-Susitna Borough. Through the projects we educated 20 landowners, land managers and partners, and 30 members of Youth Conservation Crews. Following is a brief summary of each project.

- Little Meadow Creek, at unnamed road crossing downstream of Parks Highway, July 2012: 65' of trenched willow and vegetated mat. Partnered with the Wasilla Soil and Water Conservation District and USFWS. \$2,648 in NFHAP funds spent.
- Wasilla Lake at Newcomb Park, July 2012: 110' of trenched willow and vegetated mat, 40' live staking. Partnered with Mat-Su Conservation Services, UWFWS and the Upper Susitna Soil and Water Conservation District. \$5,413 in NFHAP funds.
- Wasilla Creek at East Fetlock Road, July 2012: 85' of brush layers and vegetated mat. Partnered with the Wasilla Soil and Water Conservation District and USFWS. \$5,689 in NFHAP funds.
- Big Lake at private parcel, June 2011: 100' of trenched willow and vegetated mat. Partnered with landowner and the Matanuska-Susitna Borough. \$3,884 in NFHAP funds.

- Finger Lake at private parcel, June 2011: 125' of trenched willow and vegetated mat. Partnered with the Matanuska-Susitna Borough, and Wasilla and Upper Susitna Soil and Water Conservation Districts. \$5,345 in NFHAP funds.
- Government Creek, July 2011: 80' brush layers and vegetated mat, 100' of trenched willow, maintenance on step pools to improve fish passage and create a more natural channel. Partnered with USFWS, the Matanuska-Susitna Borough and Chickaloon Village Traditional Council.

Budget: note that the budget was modified on 05/03/2012 to move \$30,000 from the Materials to Contractual.

Description of Service	Matching		NFHAP	
	Budget	Actual to Date	Budget	Actual to Date
Personnel	\$20,046	\$20,046	\$0	\$0
Materials	\$880	\$500	\$1,033	\$2,095.95
Contractual	\$0	\$0	\$40,000	\$38,147.61
Equipment	\$0	\$380	\$	\$0
Total	\$20,926	\$20,926	\$41,033	\$40,243.56