Matanuska - Susitna Valley Streambank Rehabilitation & Habitat Protection Cost Share Program

> Tracy A. Smith Department of Fish & Game Division of Sport Fish RTS



What is the Cost Share Program?







Cost Share Program Objectives • Reestablish riparian function by removing structures that are detrimental to juvenile salmon • Conserve and sustain healthy nearshore fish habitat and riparian vegetation • Rehabilitate and enhance human impacted salmon habitat and riparian vegetation • Conduct Streambank Rehabilitation workshops



 Replace human impacted and eroding shorelines by simulating natural streambanks and native vegetation





• Install woody debris that provides: • Shelter for juvenile salmon • Substrate for food sources o Pockets and eddies of optimal water velocities for juvenile salmon habitat





Install riparian \bigcirc vegetation to provide: o Stability of the shoreline • Shade from overhanging vegetation o Terrestrial food sources • Reduce sediment from entering the water





• Minimize sediment introduction from eroding banks to prevent the smothering of incubating salmon eggs and alevin









Rehabilitation Projects





McRoberts Creek









Willow Creek



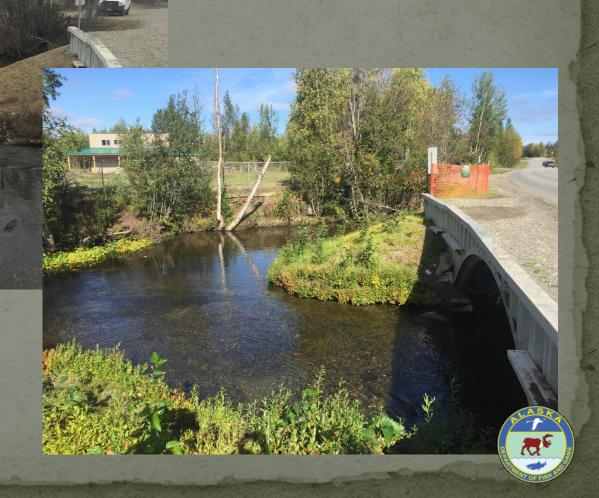


Nancy Lake

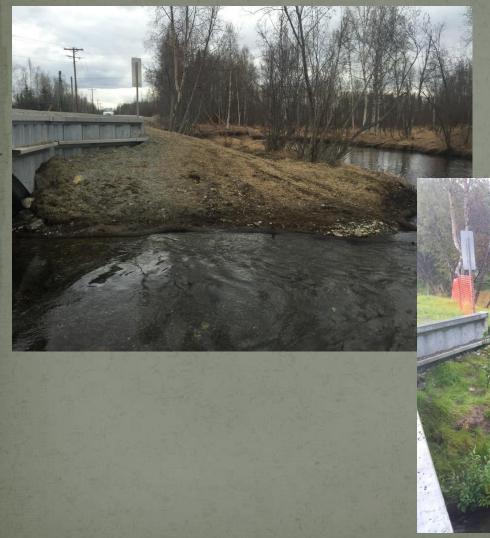




Meadow Creek

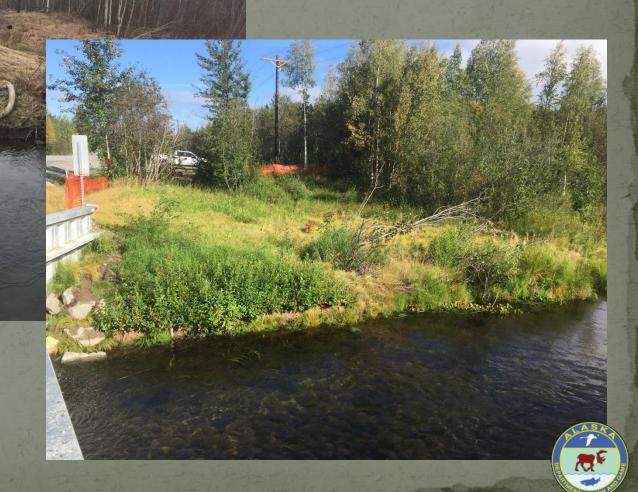


Meadow Creek





Meadow Creek

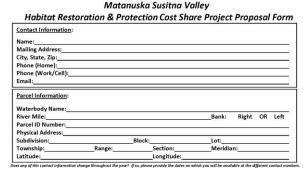


Cost Share Program Achievements • Removed 1,632 feet of structures detrimental to juvenile salmon • Conserved and sustained 39,384 square feet of healthy nearshore fish habitat and riparian vegetation • Rehabilitated and enhanced 67,270 square feet of human impacted salmon habitat and riparian vegetation • Conducted 8 Streambank Rehabilitation workshops in the Mat-Su Valley, with 174 participants in attendance



Interested in applying for the Cost Share Program

Complete a Cost Share **Program Application** Include GPS coordinates and driving directions to your property Project Description • Color Photos • Cost Estimate



What problem, if any, is occurring on your shoreline?

What do you propose to do? How would you like your shoreline to look and function? (Please answer to the best of your ability)

Please include and attach the following:

- Side view and top view drawings of the project as you envision it.
- Color photos
- Cost estimate (if you have one)

We recommend submitting as soon as possible, as there are a high number of proposels and not all projects submitted will be funded. If selected, an agreement with the USFNe will be required prior to all work. In addition, refeater, State, and/or local permits will be required depending on the type of project. The signed agreement and all permits must be in hand BEFORE any work can begin.

I am interested in the cooperative bank restoration program and in obtaining matching funds for the Cost Share Program as described above.

Applicant Signature

Date



2017 Streambank Rehabilitation Workshops



Two Day Workshops Include:

- Techniques for rehabilitation and restoring riparian habitat including construction and plant materials
- Riparian and salmon habitat needs
- Construction techniques
- Hands on installation of shoreline rehabilitation project

Funded through the Alaska Sustainable Salmon Fund

Fairbanks May 2nd & 3rd Soldotna May 9th & 10th Palmer May 16th & 17th











