

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

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# 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



# Rehabilitation projects attempt to:

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



# Rehabilitation projects attempt to:

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



# Rehabilitation projects attempt to:

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



# Rehabilitation projects attempt to:

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





# Rehabilitation Projects





# McRoberts Creek



# Big Lake



# 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

**Matanuska Susitna Valley**  
**Habitat Restoration & Protection Cost Share Project Proposal Form**

<b>Contact Information:</b>	
Name:	_____
Mailing Address:	_____
City, State, Zip:	_____
Phone (Home):	_____
Phone (Work/Cell):	_____
Email:	_____

<b>Parcel Information:</b>	
Waterbody Name:	_____
River Mile:	_____ Bank: Right OR Left
Parcel ID Number:	_____
Physical Address:	_____
Subdivision:	_____ Block: _____ Lot: _____
Township:	_____ Range: _____ Section: _____ Meridian: _____
Latitude:	_____ Longitude: _____

Does any of this contact information change throughout the year? If so, please provide the dates on which you will be available at the different contact numbers.

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 proposals and not all projects submitted will be funded. If selected, an agreement with the USFWS will be required prior to all work. In addition, Federal, 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



Fairbanks May 2<sup>nd</sup> & 3<sup>rd</sup>  
Soldotna May 9<sup>th</sup> & 10<sup>th</sup>  
Palmer May 16<sup>th</sup> & 17<sup>th</sup>



## 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*



# Questions?

