

# Mat-Su Valley Streambank and Shoreline Rehabilitation and Protection Cost-Share Program



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# Agenda

## Topics Covered

Program Background

Methods

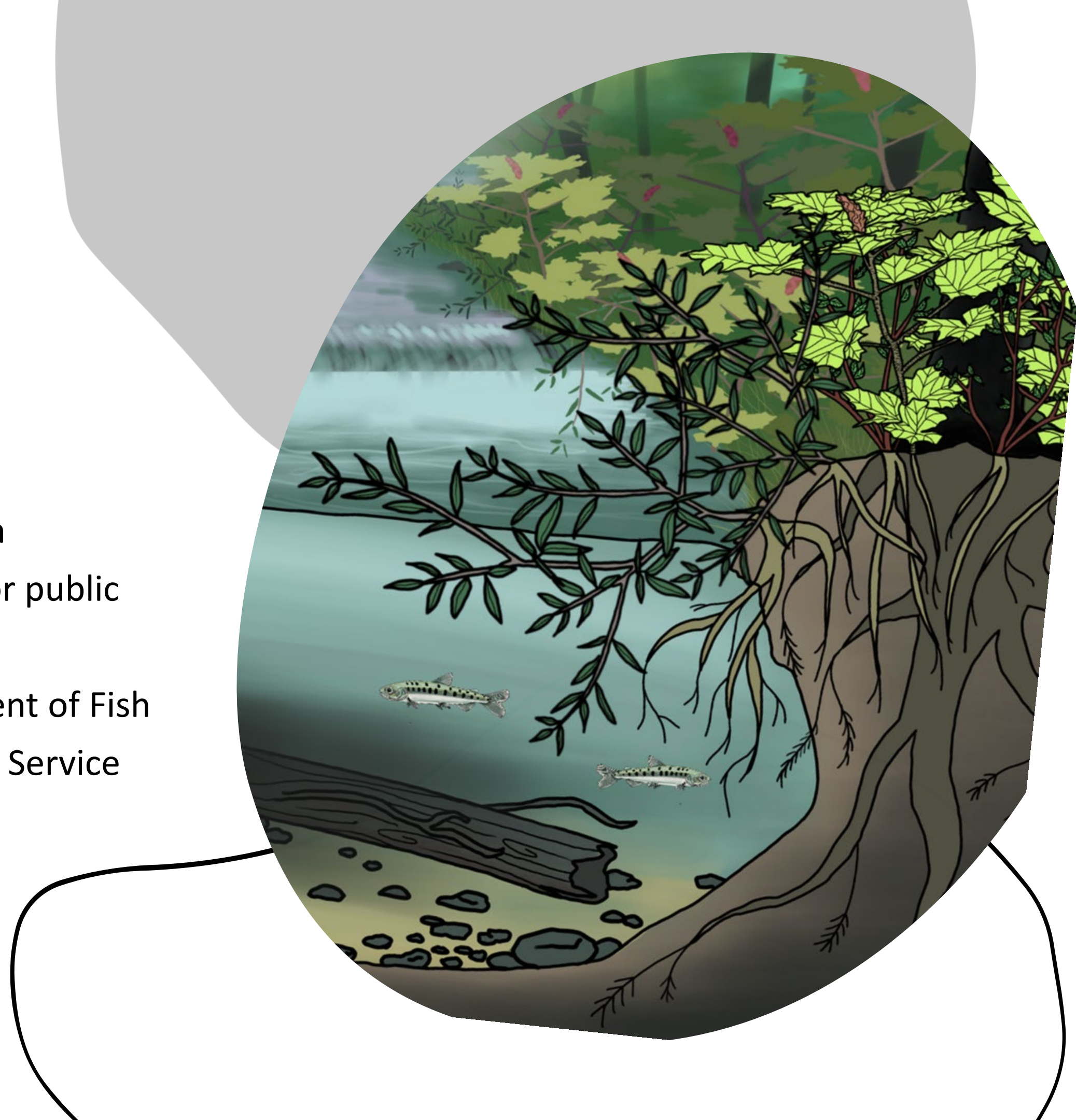
Examples of Past Projects

Future Projects

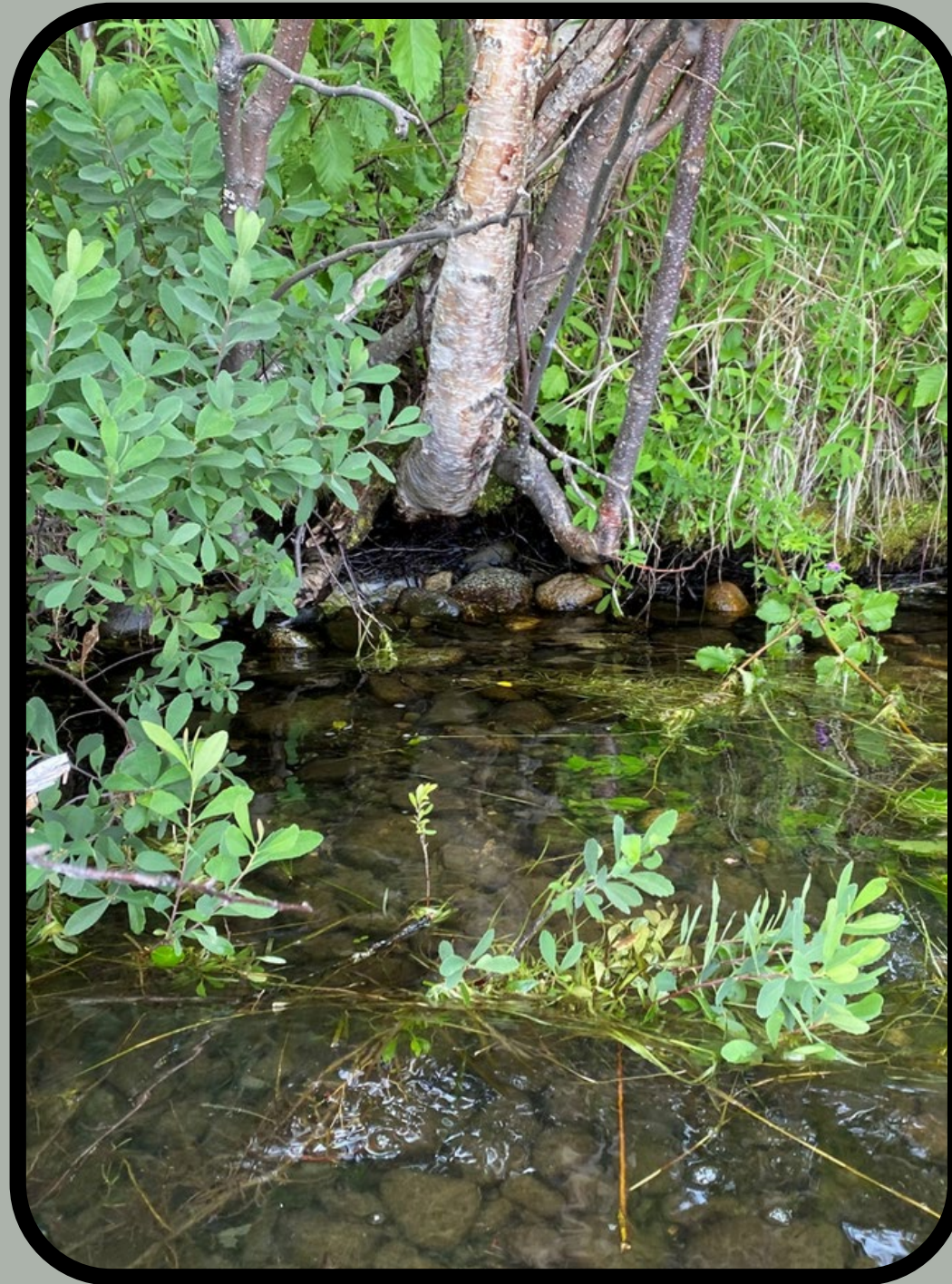
Questions

# What is the Cost-Share Program?

- Financial incentive and educational program
- Provides funding and technical assistance for public and private lands
- Cooperatively managed by Alaska Department of Fish and Game (ADF&G) and U.S. Fish and Wildlife Service (USFWS)



# Background



Program began in Mat-  
Su in 2009



Focus is on juvenile  
salmon freshwater  
habitat

# Program Goals

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- Remove structures that are detrimental to juvenile salmon
- Conserve and sustain healthy fish habitat
- Rehabilitate and enhance human impacted salmon habitat
- Educate agency staff, landowners, and contractors in rehabilitation techniques





# Update

From 2009-2022:

- 75 completed projects
- ~ 0.4 miles debris removed
- ~ 0.82 miles conserved and sustained
- ~ 0.22 rehabilitated and enhanced
- 14 workshops



# Methods

- Cabled Spruce Trees
- Brush Layers
- Vegetation Planting
- Elevated Light Penetrating Platforms

# Methods

## Cabled Spruce Trees

Provides immediate benefits to salmon and establishing vegetation

## Brush Layering

Revegetates and stabilizes streambanks; willows are planted above/below soil lifts





# Revegetation

- Establishes native plants; provides increased bank stability
- Provides valuable education opportunity
- Community planting days!



# Elevated Light-Penetrating (ELP)



Protects banks and shorelines from trampling while providing access to the water



At least 60% light-penetrating; sunlight can reach plants below



Stairs and floating docks can be easily attached

# Past Projects

# W i l l o w C r e e k 2 0 1 8



Before

After



# Willow Creek 2020

# Sheep Creek 2019



Before

After



Sheep Creek 2023



Rabbit Slough



Little Susitna PUF

# Upcoming Projects





Susitna Landing



# Upcoming Projects

Montana Creek



Thank you!

Questions?