

Terry Creek Stream Restoration #1

- ✓ Restored over 1,000 feet of stream
- ✓ Established riparian buffer
- ✓ Relocated and stabilized farm road
- ✓ Built 2 heavy use areas

Before



After



Toe Rock



Rock Cross Vane



J Hook









<https://www.facebook.com/SaveOurSaluda/videos/1166867773763790>



Volunteers plant native riparian trees and shrubs

Project Cost

- Federal \$145,992
- Partner Match \$92,812
- Landowner \$3,306
- In-kind \$13,172

TOTAL \$255,281





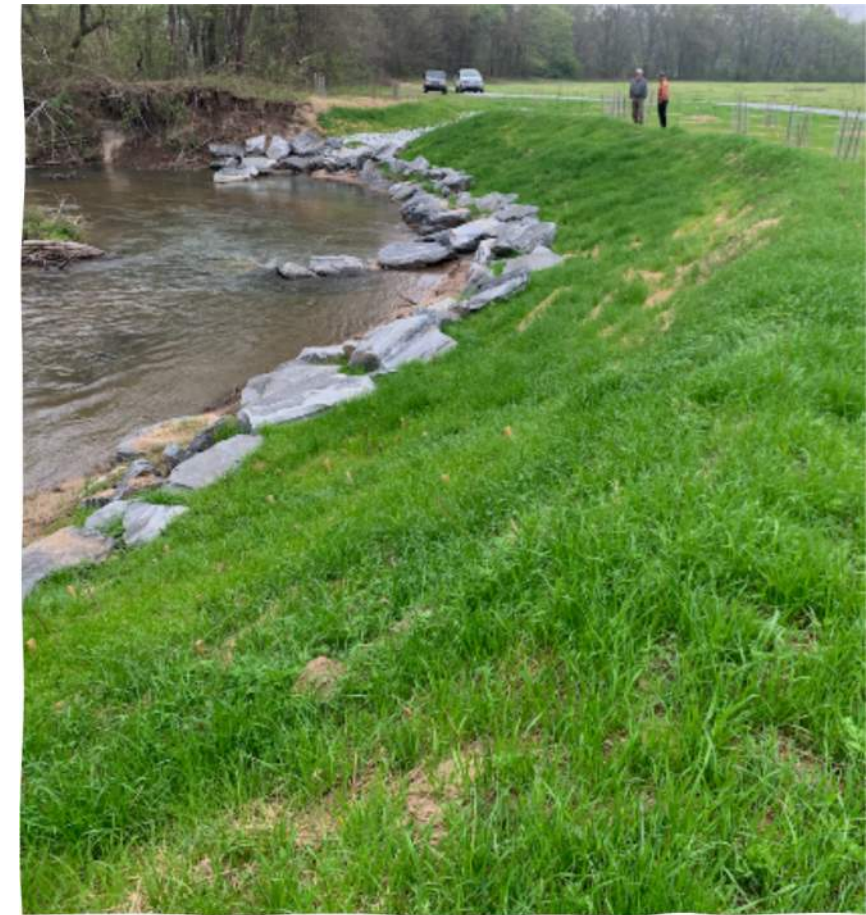
North Saluda
Stream
Restoration
Project





North Saluda River Project - Before

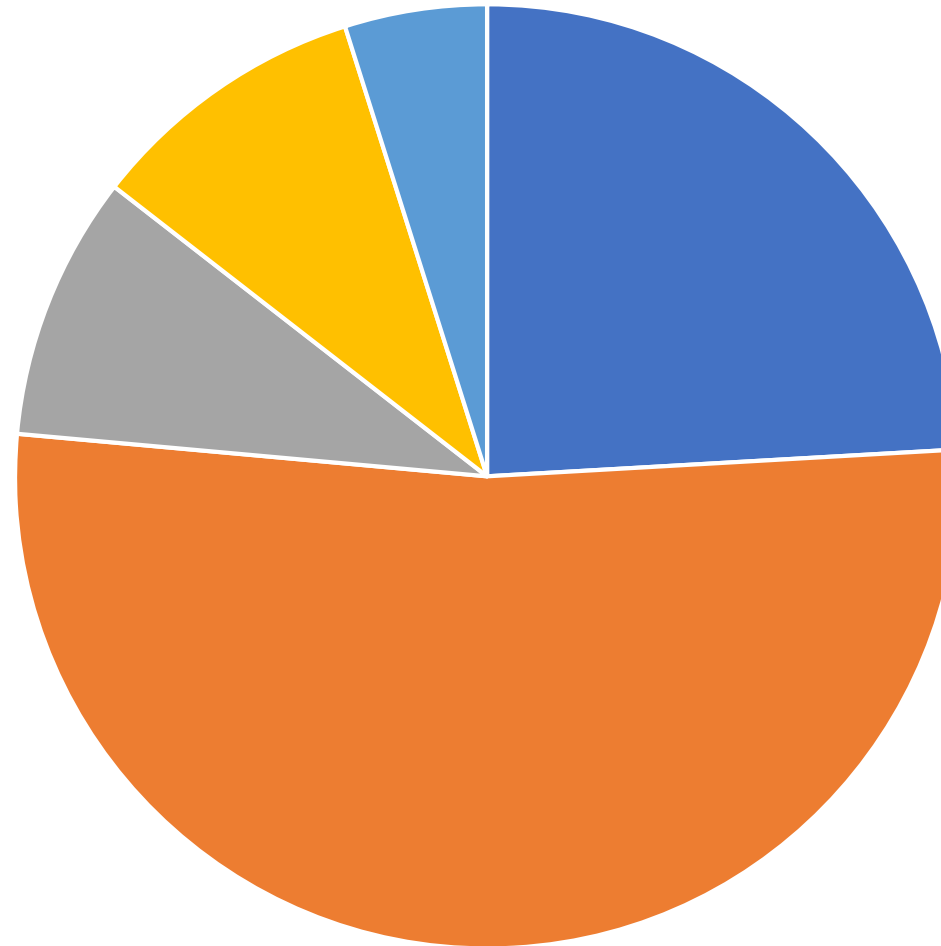
- **After historic February 2020 flood**



160 feet of eroding riverbank restored

- ✓ Streambank grading
- ✓ Boulder toe rock and 3 boulder j-hooks
- ✓ Streambank seeding and coir matting
- ✓ Native live stakes, bare root seedlings (100), and herbaceous plugs (625), planted on streambank slopes
- ✓ Containerized native trees and shrubs (60) planted in riparian buffer
- ✓ 2 Rock lined waterways (2,625 ft²)
- ✓ Stabilized farm access roads (~2,300 feet)

North Saluda Stream Restoration Project



- USDA NRCS EQIP funding
- 319 federal funding
- Partner funding
- In-kind match
- Landowner cash contribution

Total Project Value = \$118,400*

*excludes NRCS staff time

Terry Creek Stream Restoration Project #2





~1,200 feet restored

- ✓ Streambank grading
- ✓ Boulder toe rock and 14 single-arm rock vanes
- ✓ Streambank seeding and coir matting
- ✓ Native live stakes and herbaceous plugs (2,115) planted on streambank slopes
- ✓ Containerized native trees and shrubs (270) planted in riparian area
- ✓ 4 Rock lined waterways (1,680 ft²)
- ✓ 1 heavy use area
- ✓ Stabilized farm access road (~1,300 feet)

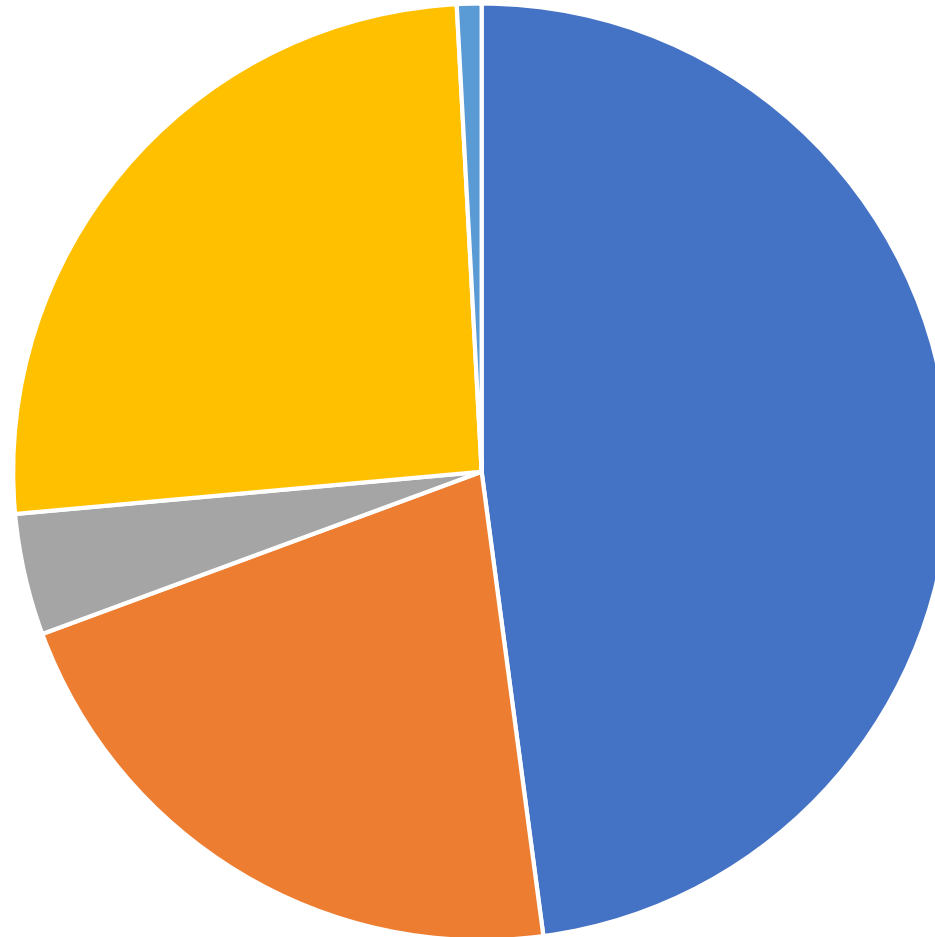






Terry Creek #2 Stream Restoration Project

Total Project Value = \$256,000*



- USDA NRCS EQIP funding
- 319 federal funding
- Partner funding
- In-kind match
- Landowner cash contribution

*excludes NRCS staff time

Railroad Creek
Stream Crossing,
Cattle Exclusion,
and
Watering Project





- Streambank stabilization
- NRCS + 319 fence
- 319 fence
- Access Road
- - - - - Water line
- ⬡ Watering Facility
- ⌘ Stream Crossing
- ★ Well



Before - 2021



Before - 2022





During Construction



During Construction



During Construction



After



January 2024 Flood







Well Rehabilitation





Railroad Creek Cattle Project

- ✓ Rock armored low water stream crossing for cattle (1,080 ft²)
- ✓ Streambank stabilization (160 feet grading, boulder toe, rock vane)
- ✓ Rock lined waterways (~2,900 ft²)
- ✓ Exclusion fencing (1,795 feet)
- ✓ Native live stakes and plugs on streambank slopes

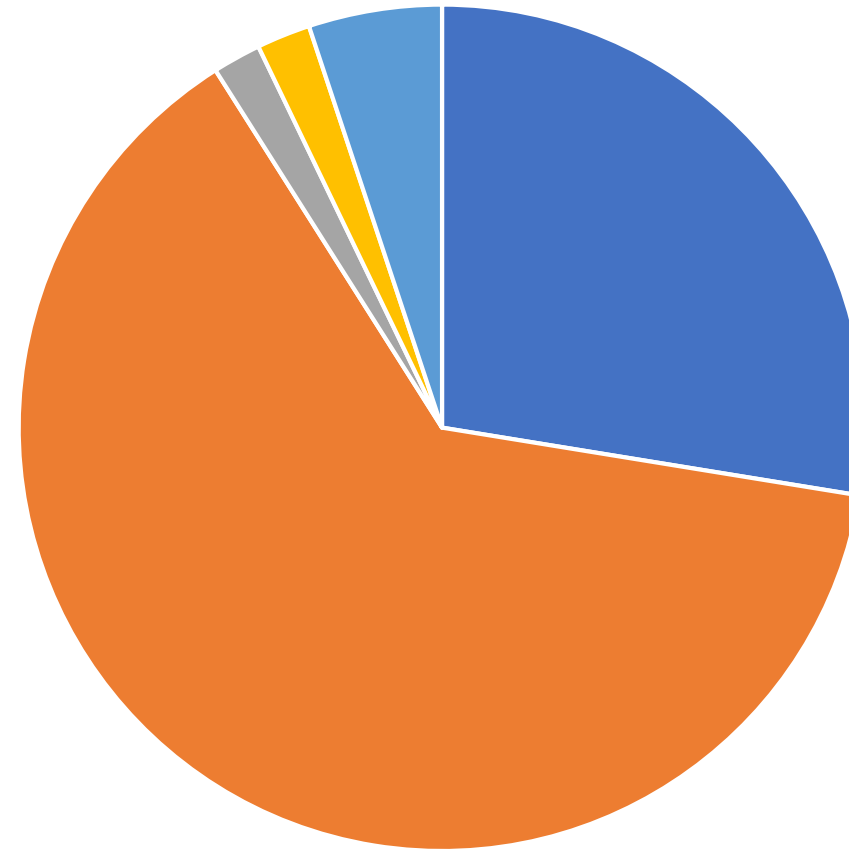


Railroad Creek Cattle Project

- ✓ Water lines (1,110 feet)
- ✓ Heavy use areas (1,250 ft²)
- ✓ Watering troughs (2)
- ✓ Rehabilitated well
- ✓ Stabilized farm access road (~ 835 ft)

Railroad Creek Stream Crossing, Cattle Exclusion, and Watering Project

Total Project Value = \$109,000*



- USDA NRCS EQIP funding
- 319 federal funding
- Partner funding
- In-kind match
- Landowner cash contribution

*excludes NRCS staff time



Middle Saluda Stream and Riparian Restoration

- ✓ Streambank stabilization (350 feet)
- ✓ Boulder toe rock and single-arm rock vanes
- ✓ Streambank seeding and coir matting
- ✓ Native live stakes and herbaceous plugs on streambank slopes
- ✓ Riparian buffer enhancement along ~4,000 feet of Middle Saluda
- ✓ Floodplain reconnection







Floodplain Reconnection





Estimated Project Cost

- NRCS EQIP - \$32,370
- Federal - \$55,866.04
- Partner Cash Match - \$0
- Landowner - \$10,814
(predominantly EQIP match)
- In-kind Match – 41,412

TOTAL ~\$130,000

*excludes NRCS staff time





Terry Creek #3 Stream and Riparian Restoration

- ✓ Streambank stabilization on Terry Creek and Short Branch (900ft)
- ✓ Boulder toe rock and single-arm rock vanes
- ✓ Streambank seeding and coir matting
- ✓ Native live stakes and herbaceous plugs on streambank slopes
- ✓ Riparian buffer enhancement





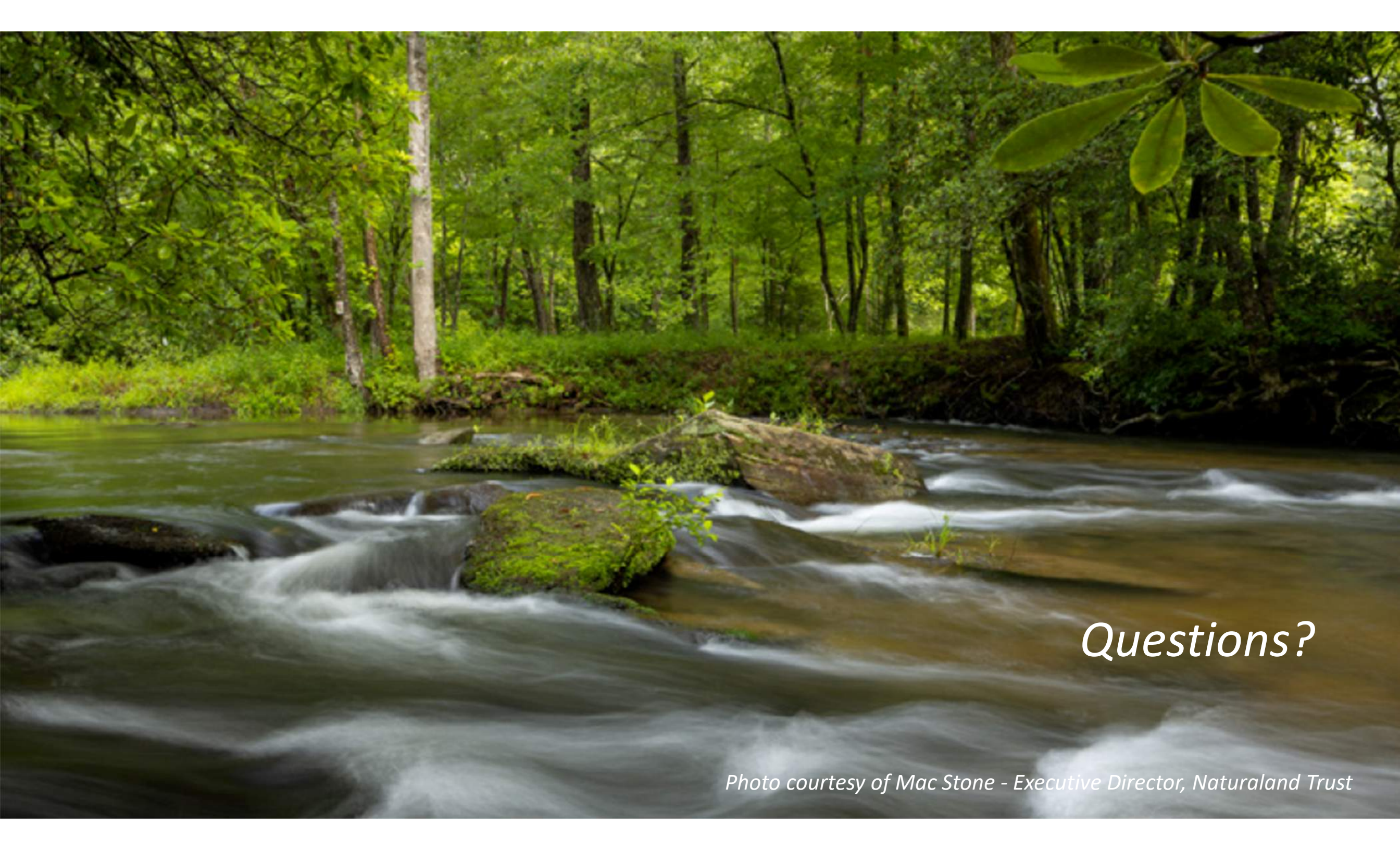
Estimated Project Cost

- NRCS EQIP - \$97,887 (Federal)
- \$10,876 Landowner match
- \$139,014 319 (Federal and Partner Match)

TOTAL: \$~248,000

*excludes NRCS staff time





Questions?

Photo courtesy of Mac Stone - Executive Director, Naturaland Trust