

Moore Money, Moore Problems

Fluidly Transitioning Phases of the Moores Creek Watershed
Restoration Project

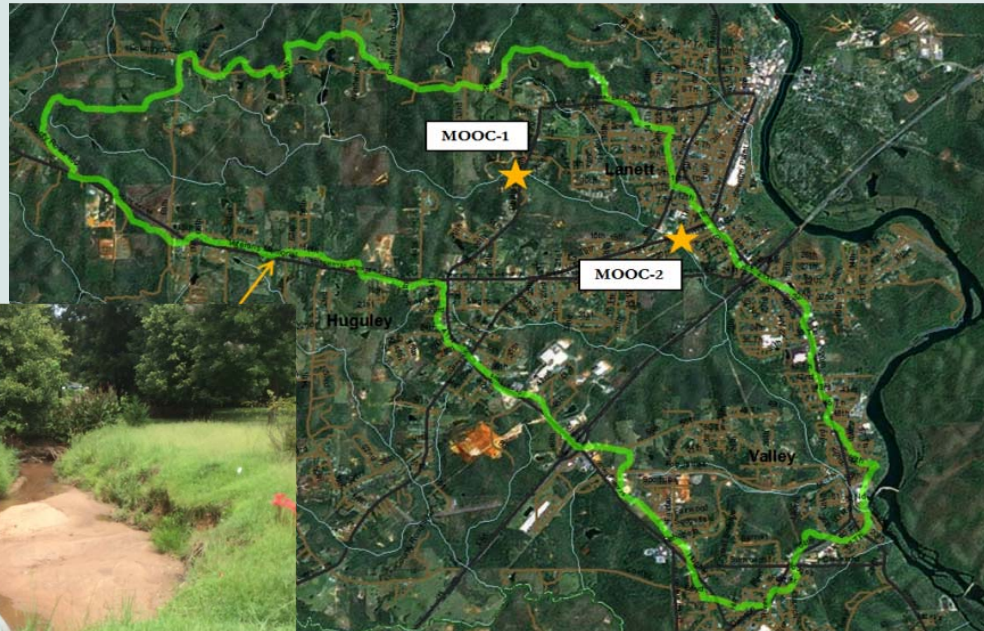
Phase One
Overview
Constraints
Success
Lessons learned

Phase Two



Moores Creek Watershed

Watershed Facts



Huguley, Lanett, and Valley

11.4 miles headwaters to Chattahoochee River

18² miles

Listed on 303(d) in 2012 for siltation

Based on habitat and macroinvertebrate data

Listed 2018 for pathogens

WHAT'S WRONG?



2015

WHAT'S WRONG?



2016

Phase One

Stream Enhancement and Habitat Restoration

Funding

Phase One of The Moores Creek Project is funded by a Section 319 grant from the Alabama Department of Environmental Management and the U.S. Environmental Protection Agency Region 4.

Clean Water Act Section 319(h)

supports a wide variety of activities including technical assistance, financial assistance, education, training, technology transfer, demonstration projects and monitoring to assess the success of specific nonpoint source implementation projects

\$522,000.00 for 2 year contract



Constraints

Physical



Constraints

Physical



Constraints Timeline



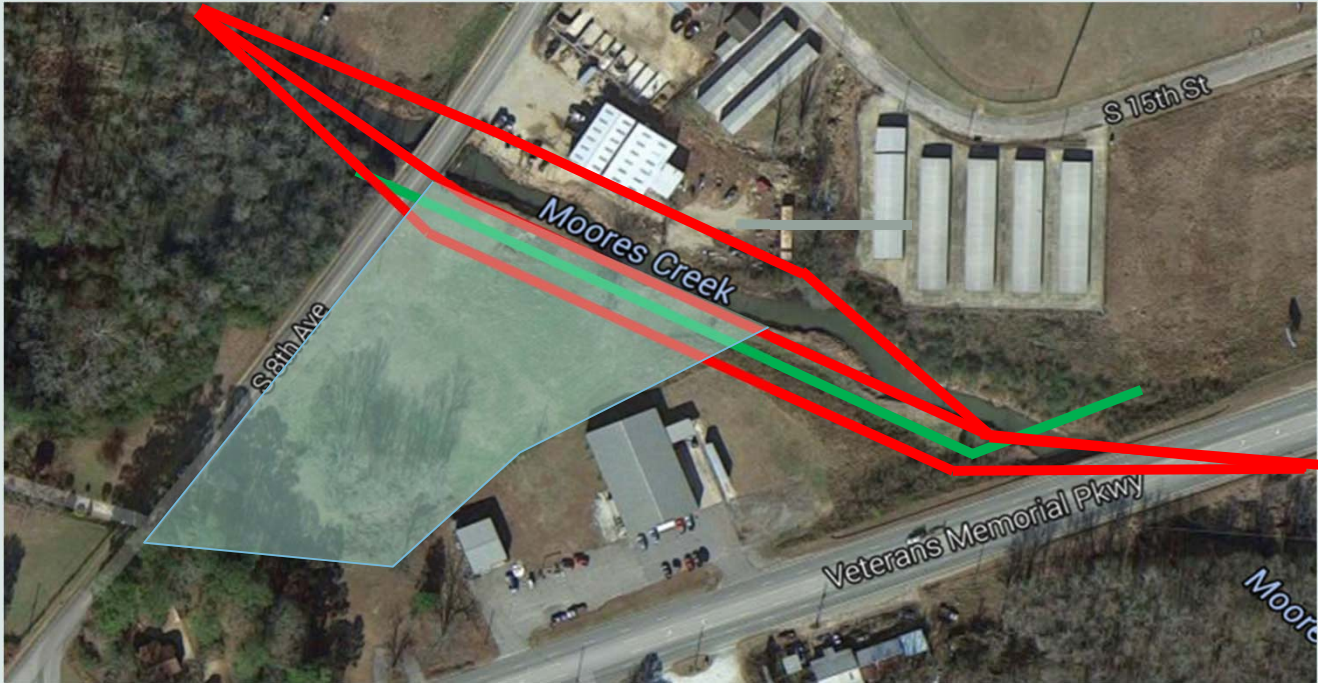
- Kickoff stakeholder meeting
- 4H & High School programs
- Set up contracts for stream work
- Watershed cleanup
- Move power poles
- Groundbreaking / in-stream structure installation
 - Demonstration
 - HS Tours
- Temporary stabilization
- Native plant installation
 - Community Outreach / Volunteer
- Post-construction tours
- Closout stakeholder meeting

Constraints Timeline



- Kickoff stakeholder meeting
- 4H & High School programs
- Set up contracts for stream work
- ~~Watershed cleanup~~
- ~~Move power poles~~
- ~~Groundbreaking / in-stream structure installation~~
 - ~~Demonstration~~
 - ~~HS Tours~~
- ~~Temporary stabilization~~
- ~~Native plant installation~~
 - ~~Community Outreach / Volunteer~~
- ~~Post construction tours~~
- ~~Closout stakeholder meeting~~

Constraints









NorthState
ENVIRONMENTAL

Zink Environmental, PLLC

129 Norwood Ave, Asheville, NC 28804
828-273-8322 | jmzink@gmail.com



Zink Environmental, PLLC

129 Norwood Ave, Asheville, NC 28804
828-273-8322 | jmzink@gmail.com



Measures of Success

Measures of Success



Technical Tours and Education





Measures of Success



Zink Environmental, PLLC

129 Norwood Ave, Asheville, NC 28804
828-273-8322 | jmzink@gmail.com



Zink Environmental, PLLC

129 Norwood Ave, Asheville, NC 28804
828-273-8322 | jmzink@gmail.com



Measures of Success



Lessons Learned

- A cooperative partner is not always a productive partner
- An ornery landowner is not always an obstacle
- Plans change, be flexible
- Stakeholders are vital to project sustainability



Phase Two

Funding

Phase Two of The Moores Creek Project is funded by another Section 319 grant from the Alabama Department of Environmental Management and the U.S. Environmental Protection Agency Region 4.

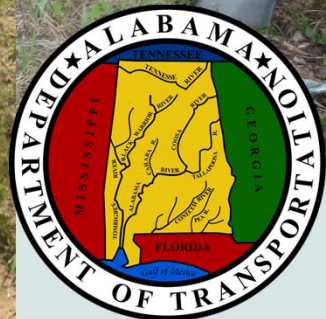
\$303,000.00 for 2 year contract
\$200,000.00 non-federal match requirement





Project 1
Stormwater
BMP Retrofit

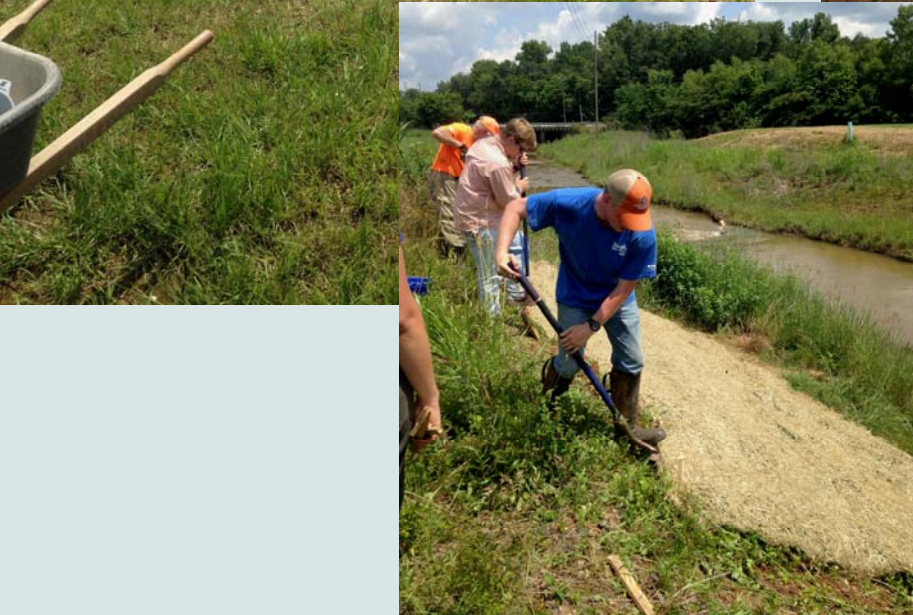
Project 2
Veterans
Memorial
Parkway
Stabilization



Project 3
Phase One
Follow-up
Planting and
E&SC



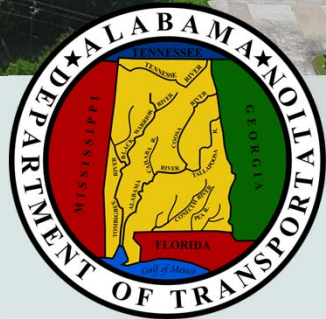
Project 3: Phase 1 Follow Up – 05/31/2018



Project 3: Phase 1 Follow Up – City of Lanett



Project 4
Phase Two
Stream
Restoration







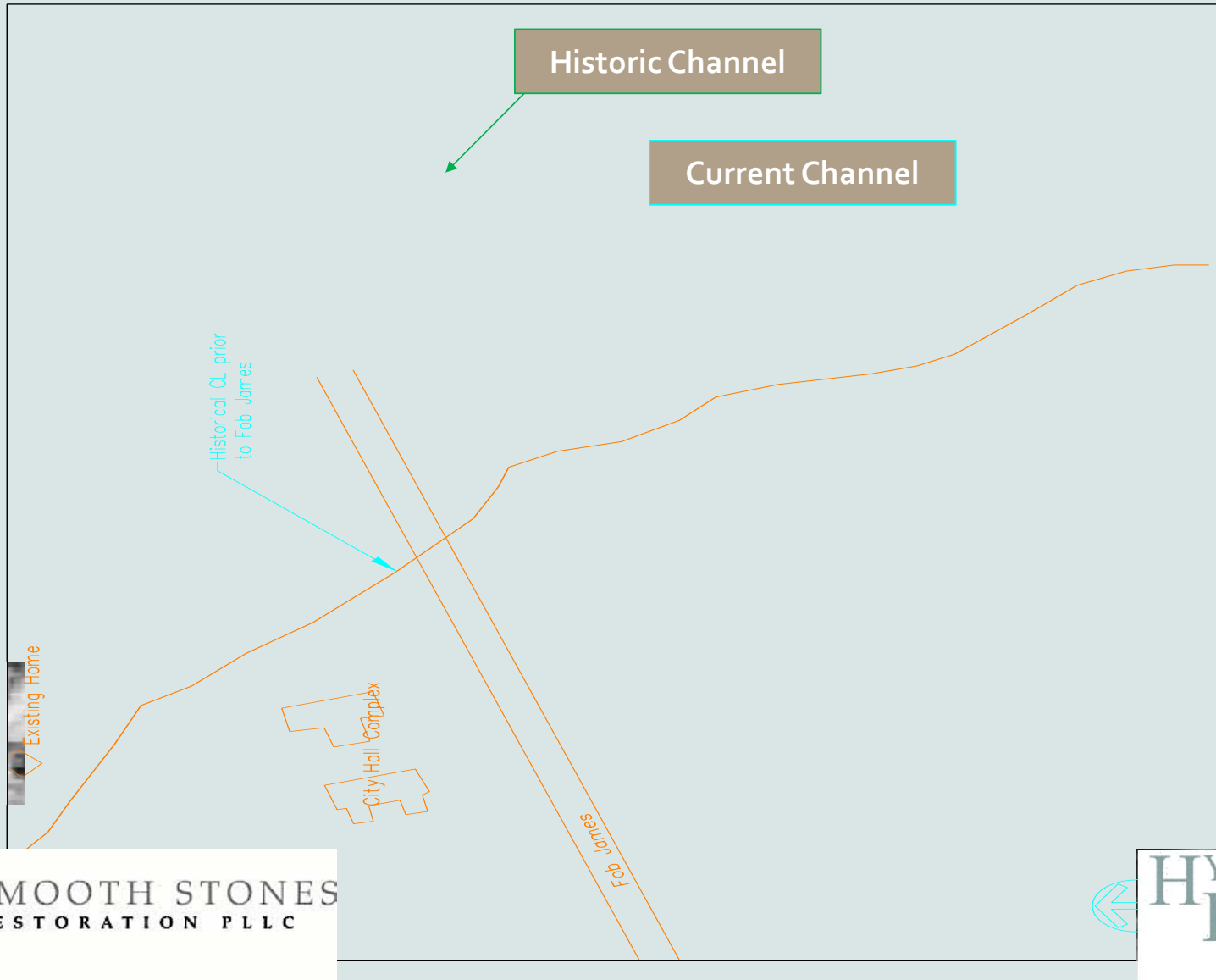


East Alabama
Water Sewer &
Fire Protection District





1958

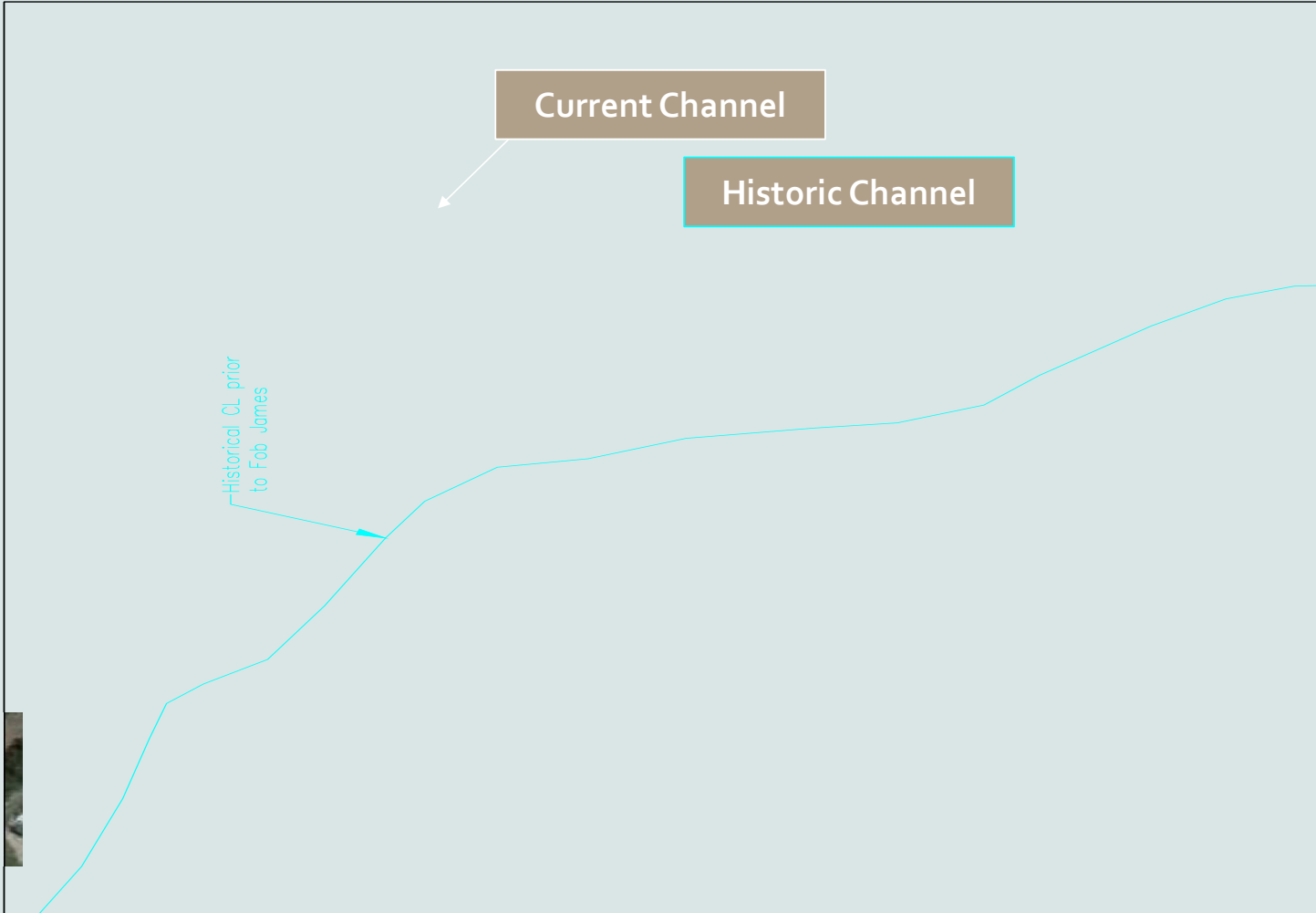


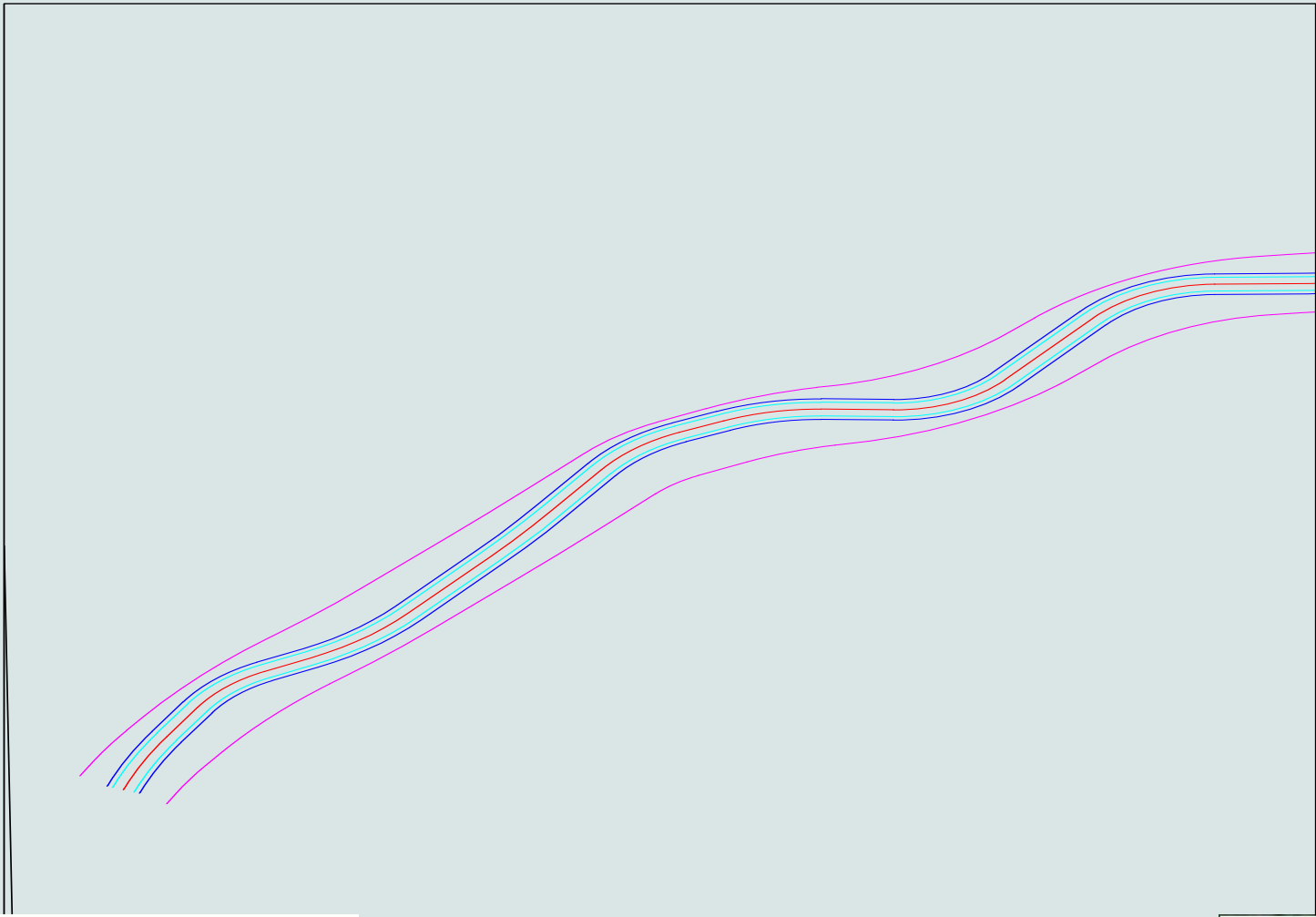
5 | SMOOTH STONES
RESTORATION PLLC



HYDRO
ENGINEERING
SOLUTIONS

2018





5 | SMOOTH STONES
RESTORATION PLLC

HYDRO
ENGINEERING
SOLUTIONS 

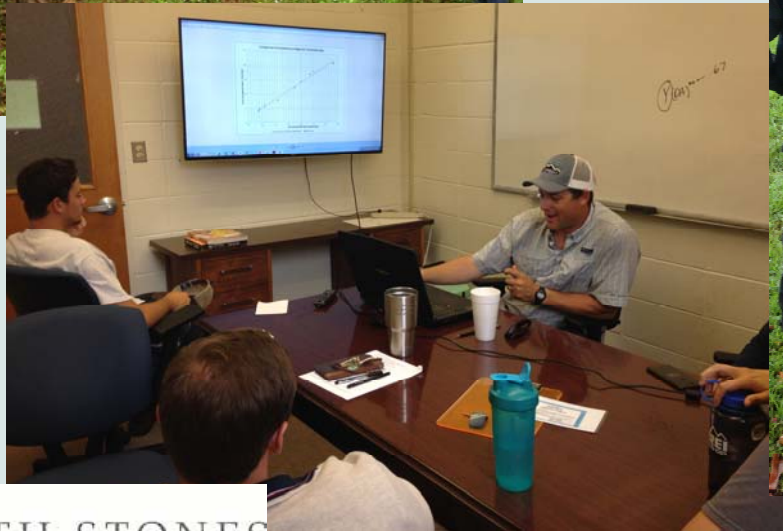
Project 4: Valley Stream Restoration



East Alabama
Water Sewer &
Fire Protection District



Project 4: Valley Stream Restoration



5 | SMOOTH STONES
RESTORATION PLLC





Zink Environmental, PLLC

129 Norwood Ave, Asheville, NC 28804
828-273-8322 | jmzink@gmail.com





Thank you

Alex James

Extension Watershed Coordinator

Auburn University

las0008@auburn.edu



ACESwater



Alabama.Extension.Water

This project was fully or partially funded by the Alabama Department of Environmental Management through a Clean Water Act Section 319(h) nonpoint source grant provided by the U.S. Environmental Protection Agency- Region 4.

