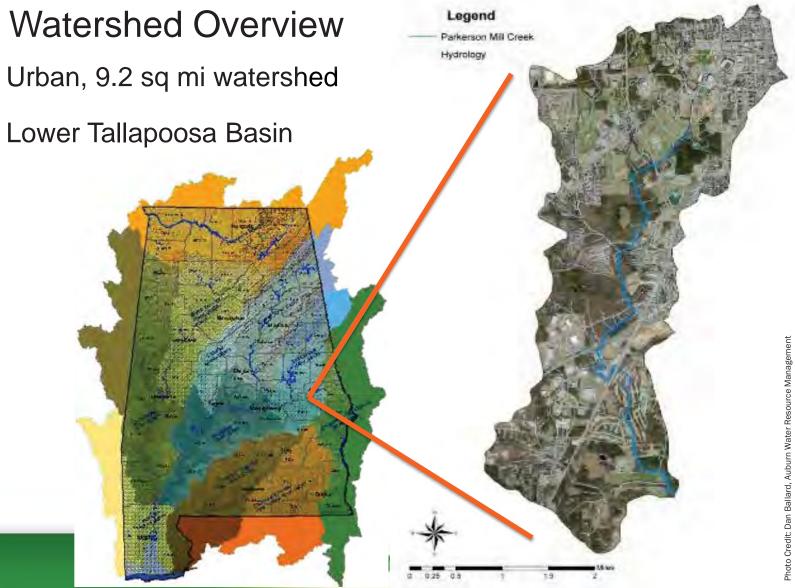
extension

Urban Stream Restoration Case Study: Parkerson Mill Creek



Eve Brantley, PhD, Extension Specialist and Assoc. Professor Department of Crop, Soil and Environmental Sciences Auburn University Acknowledgments: Dan Ballard and Dusty Kimbrow, City of Auburn Ben Burmester, Auburn University Facilities Caleb Duke, Auburn University, Crop, Soil, & Env Sciences Alabama Department of Environmental Management Environmental Protection Agency, Region 4 Goodwyn, Mills, and Cawood, Inc Jennings Environmental, LLC North State Environmental Erosion Pros, Inc





- Opportunity to improve local resource Quality of life Community amenity Outdoor classroom
- 2. Regulatory requirement *E. coli* Total Maximum Daily Load Phase II stormwater rules































PMC – Wellness Kitchen





Project Overview:

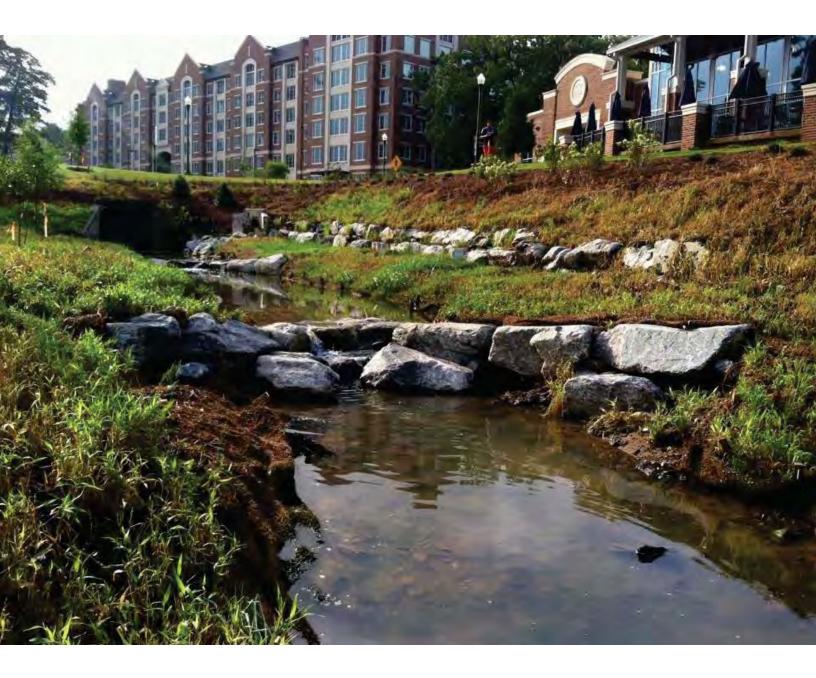
Funding Auburn University, ADEM Section 319 (a little) Goals include improved stability, improved water quality & habitat, aesthetics, outdoor classroom, public education Construction June-July 2014 105 m length Stilling basin 3 boulder cross vanes Floodplain bench Native vegetation

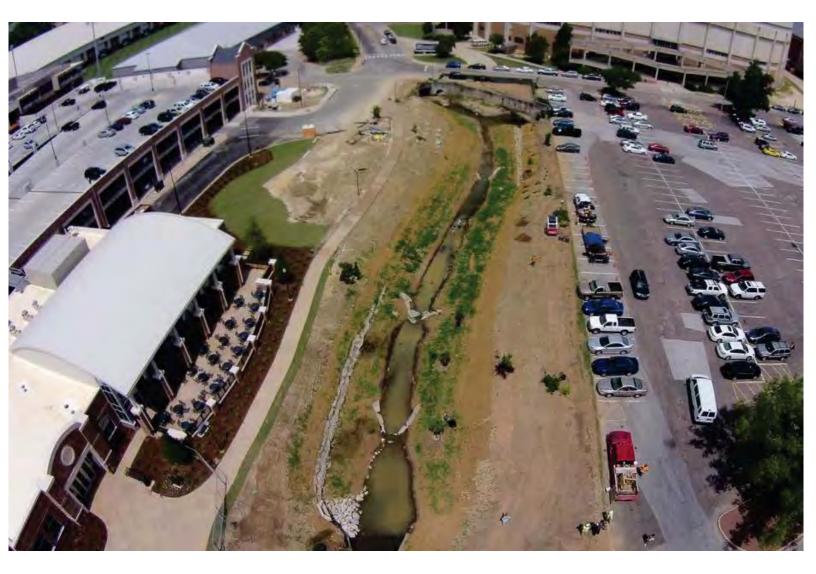
June 2014



June 2014













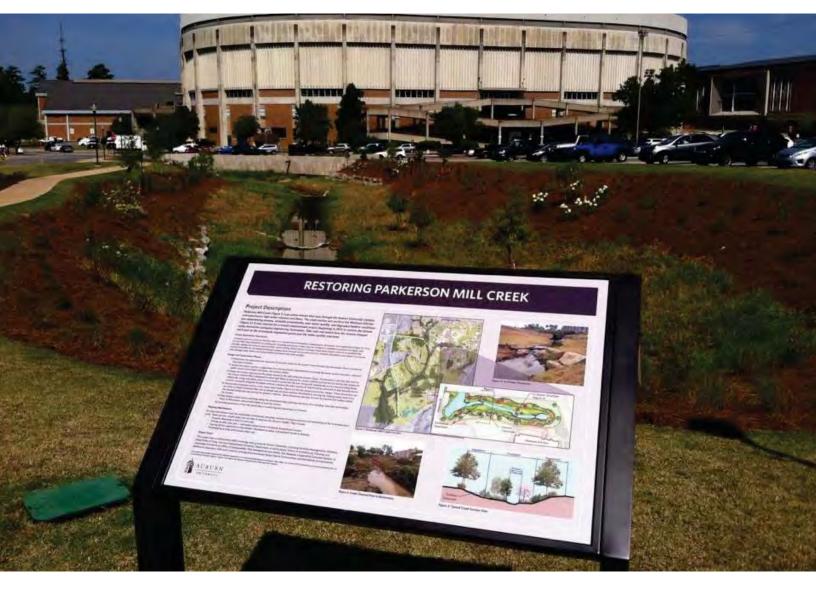




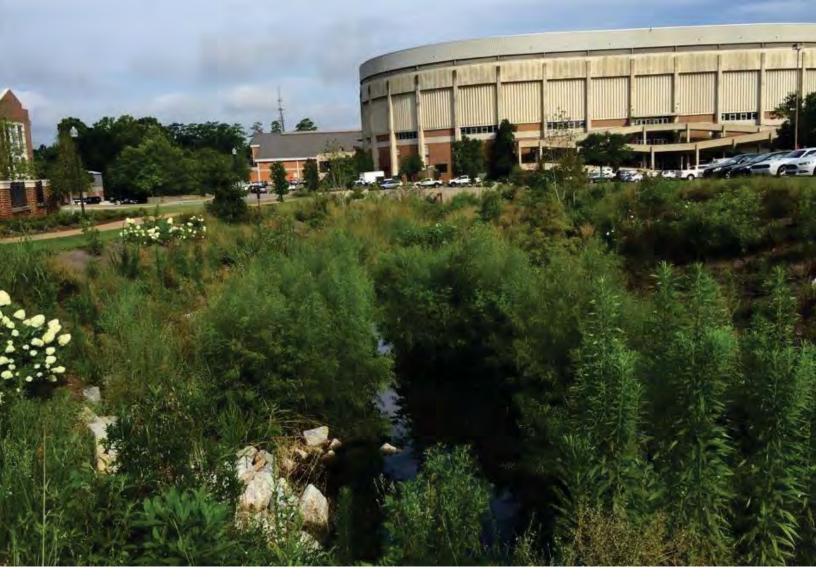
2016 April



All good? Are we finished?



July 2016





AU Policy for Natural Resources Management Areas – Approved May 2016

II. TOLIGI HUMOILLO

A. The University campus includes Natural Resource Management Areas designated for preservation, rather than development.

These indicates watered assesses and as have an initial and it the sustaine containment

- 1. Restore, improve, and protect water quality by:
 - Conducting Stream and Wetland Determinations as part of project and construction processes to identify all existing Intermittent Streams, Perennial Streams, and Wetlands;
 - Maintaining Open Channel conditions;
 - c. Removing Invasive Vegetation and establishing Native Vegetation;
 - Maintaining Stream & Wetland Buffers per Table 1 on each side of all Perennial Streams, Intermittent Streams, and Wetlands;

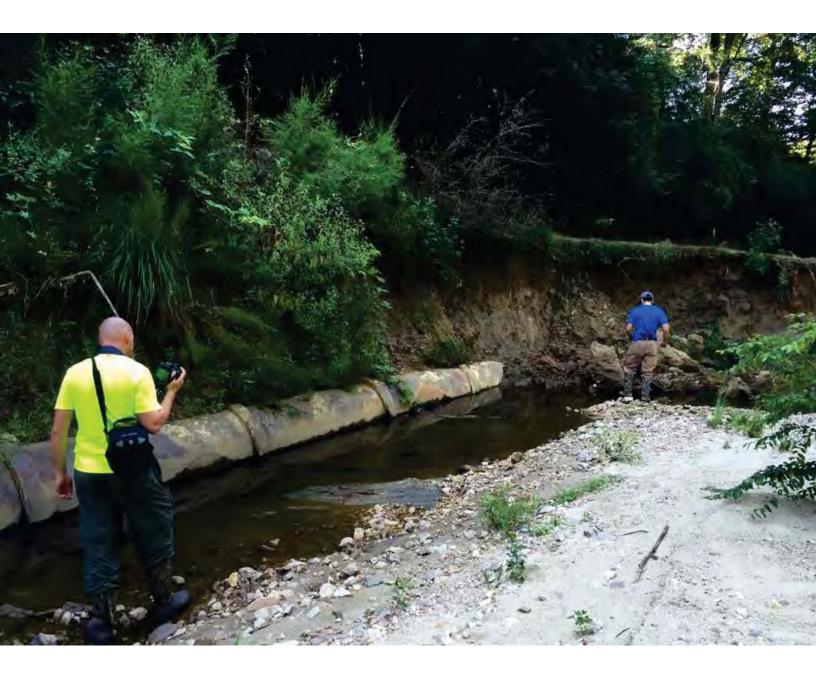
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Alexandrian Mission Million Million Contractor Andre Anno 1996 and a fill Mission to

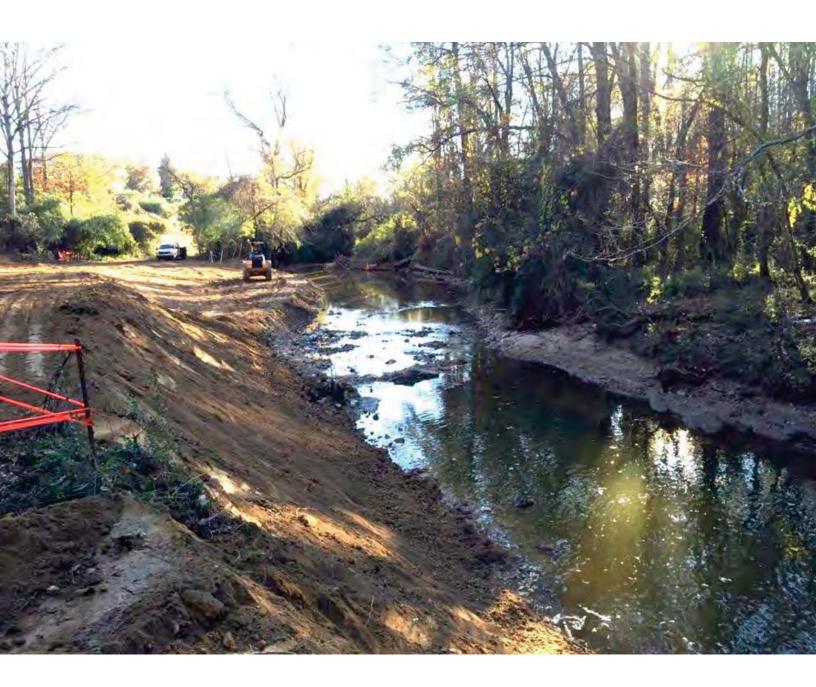
Downstream – Parkerson Mill Creek, Turf Unit



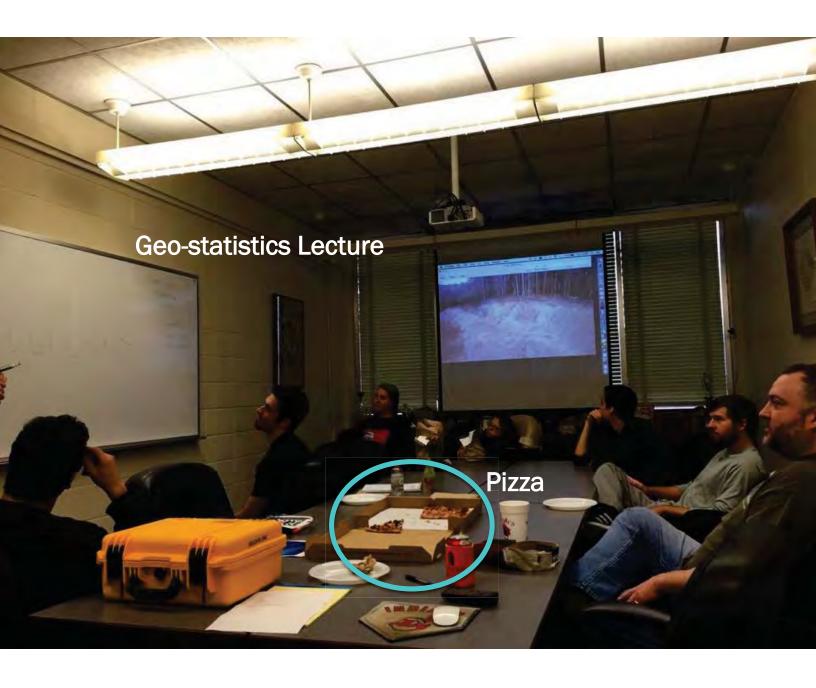




Project Overview: Funding City of Auburn Construction November-December 2015 60 m length 1 boulder vane 1 log j-hook Floodplain bench Native vegetation







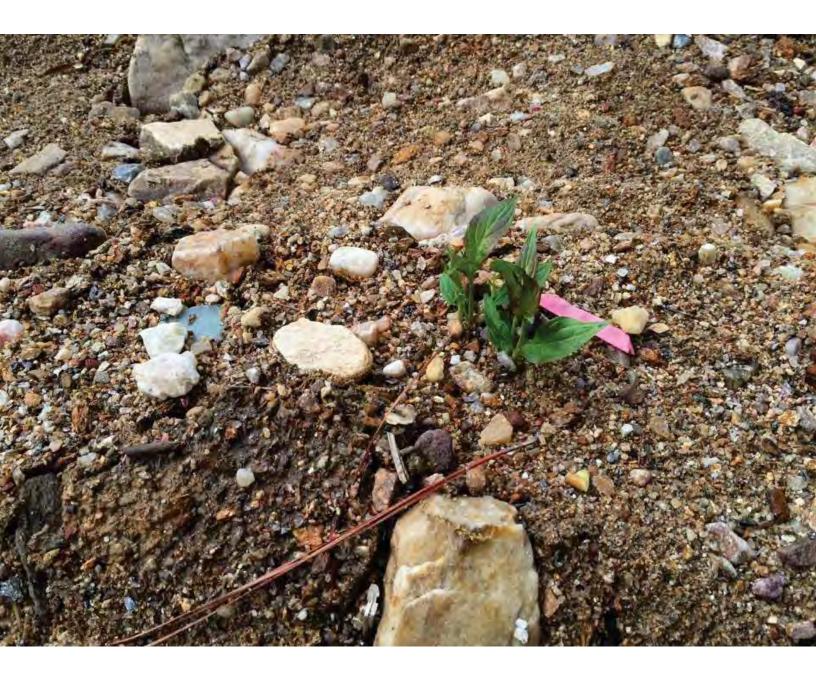
















October 2016



October 2016



October 2016





What does success look like?







Thank you and Questions?

brantley@auburn.edu Twitter @brantef Instagram AcesWater Facebook Alabama Extension Water





Video Link

https://youtu.be/IraH-HxrQCI