extension

Urban Stream Restoration Case Study: Parkerson Mill Creek



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- 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

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

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- 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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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?

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Video Link

https://youtu.be/IraH-HxrQCI