

Engaging Communities: A Case Study in Southeast Raleigh

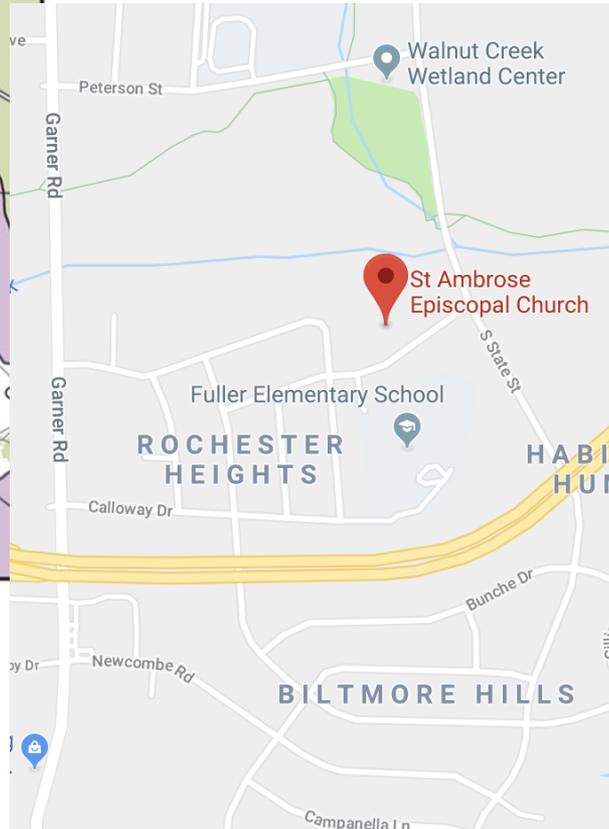
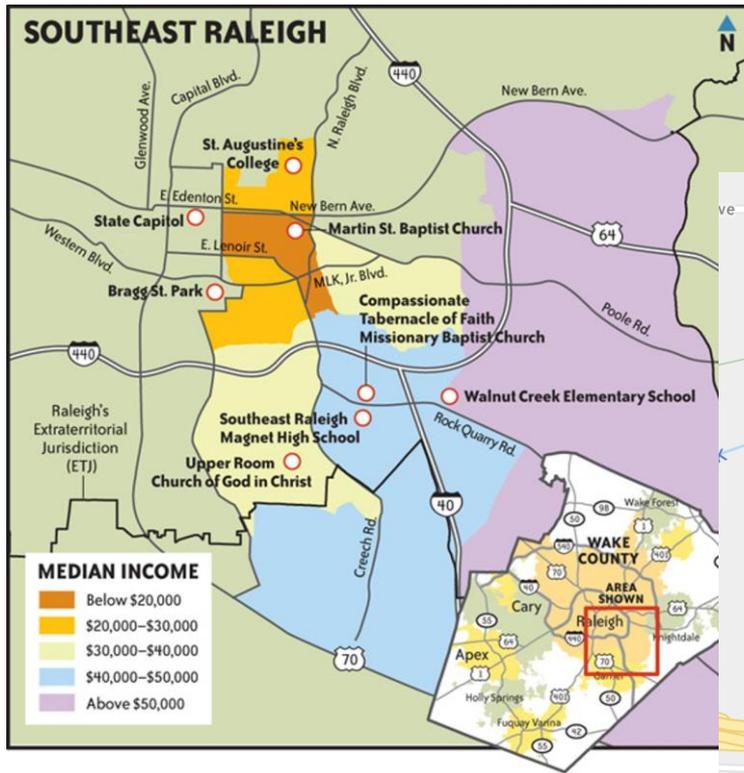
Louie Rivers III

Department of Forestry & Environmental
Resources

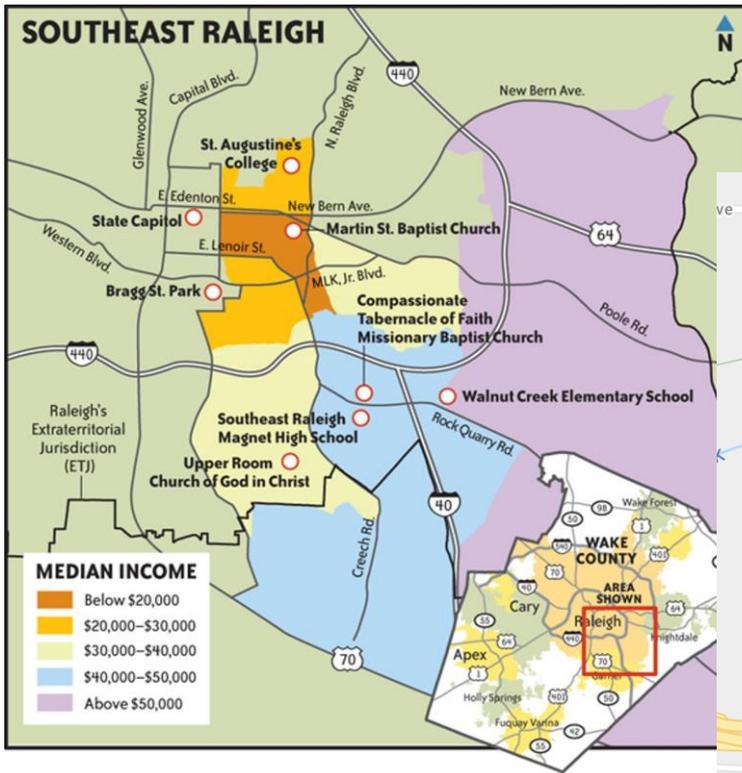
NC State University



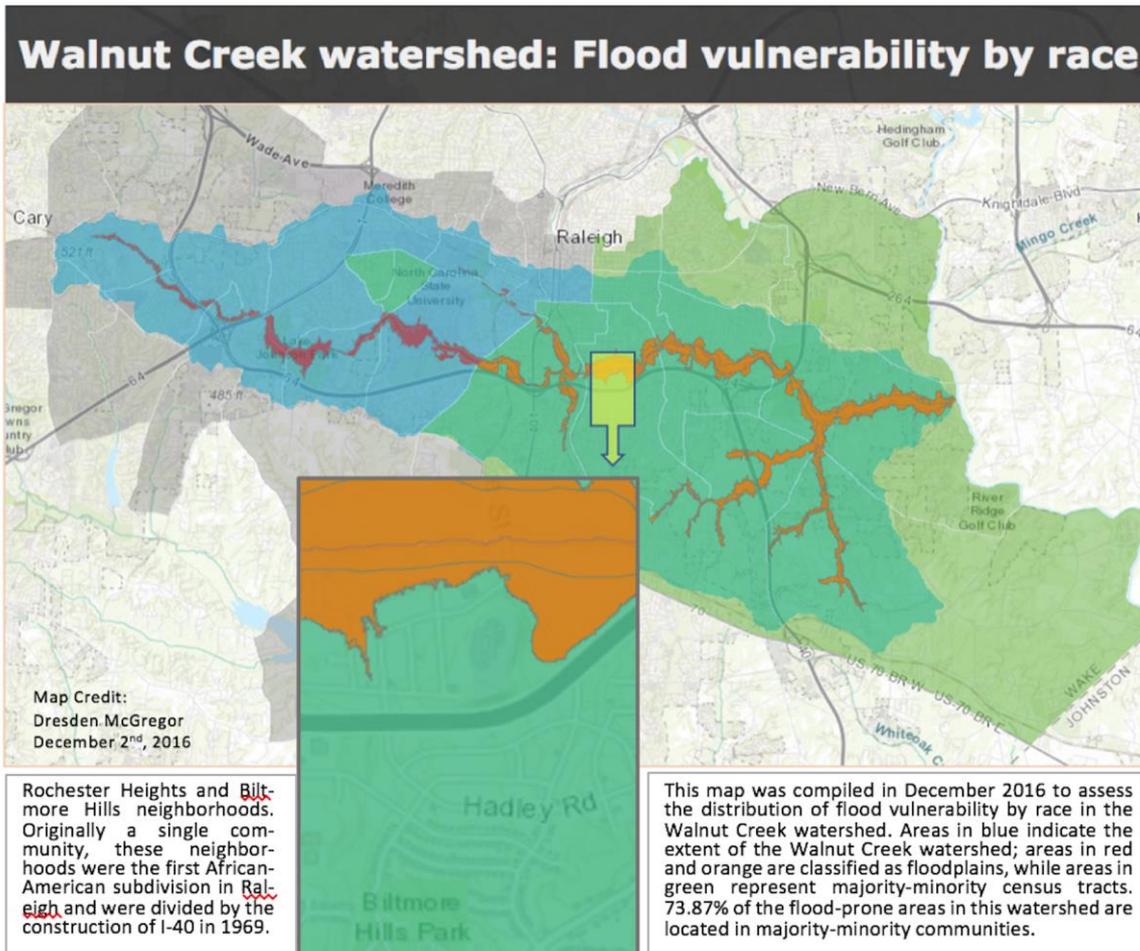
Southeast Raleigh & Nuisance Flooding



Southeast Raleigh & Nuisance Flooding



Southeast Raleigh & Nuisance Flooding



Walnut Creek Wetland Community Project (2014)

WRRI Water Resources Research Institute of the UNC System

Mission Research Education Partnerships Events Publications Impacts News Contact Us 

Walnut Creek Wetland Community Project

The Walnut Creek Wetland Community Project is a group formed in 2014 by citizens and organizations interested in and working in the community surrounding the Walnut Creek wetlands in Southeast Raleigh. They developed their mission at a retreat in spring 2015:

The Walnut Creek Wetland Community Project provides an informational hub and communication forum for academic, government, community leaders, and residents to collaborate on education, research, sustainable management of the wetlands' natural resources and development of the surrounding human community.

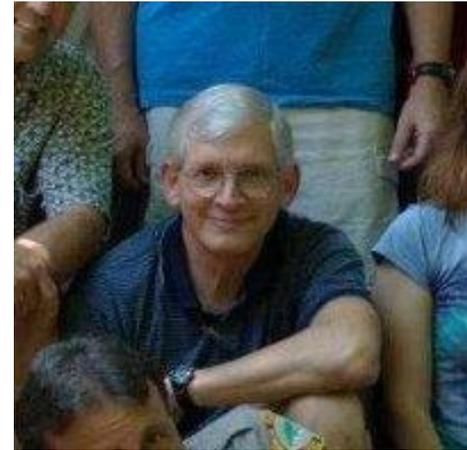
Partners communicate through an email listserv and periodic gatherings in the community. WRRI and NCSU College of Natural Resources are coordinating the partnership. Email Christy Perrin at christy_perrin@ncsu.edu to subscribe to the listserv. Email Christy or Louie Rivers at livers@ncsu.edu with any questions.



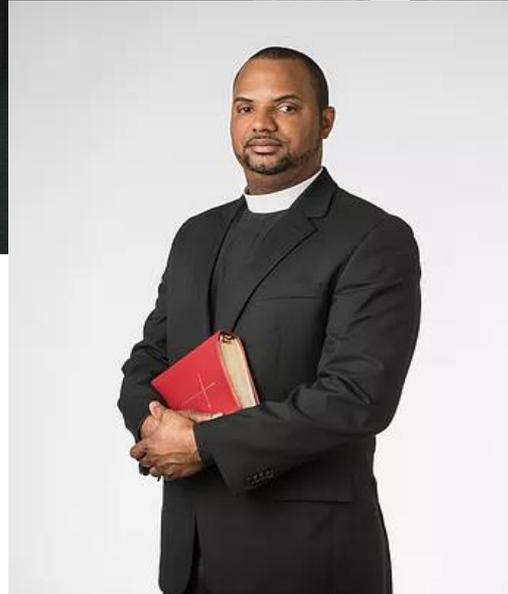
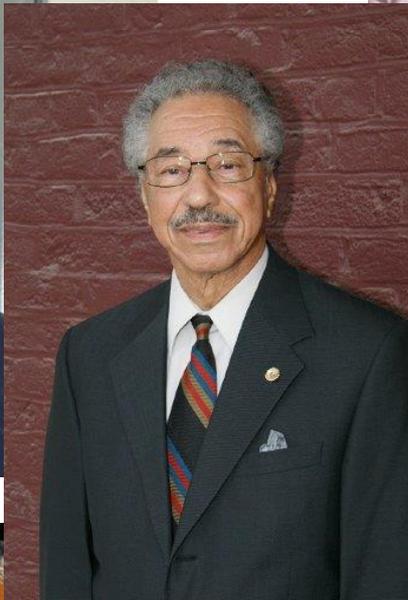
Walnut Creek Wetland Community Project (2014)



Walnut Creek Wetland Community Project (2014)



Walnut Creek Wetland Community Project (2014)



Focus Groups (2015)

- Focus group
 - Southeast Raleigh neighborhoods
 - Rochester Heights
 - Biltmore Hills
 - Stormwater and green infrastructure
 - Participants
 - Highly educated
 - Long term residents (avg. 30 years)
 - Value the natural environment
 - Black Women



Focus Groups (2015)

- High Value on the natural environment
- High general environmental awareness
- High support and interests in green infrastructure
- Little trust in the city
- A need to asses stream conditions in the neighborhoods

Walnut Creek Wetland Community Project (2016)



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Walnut Creek Wetland Community Project (2016)



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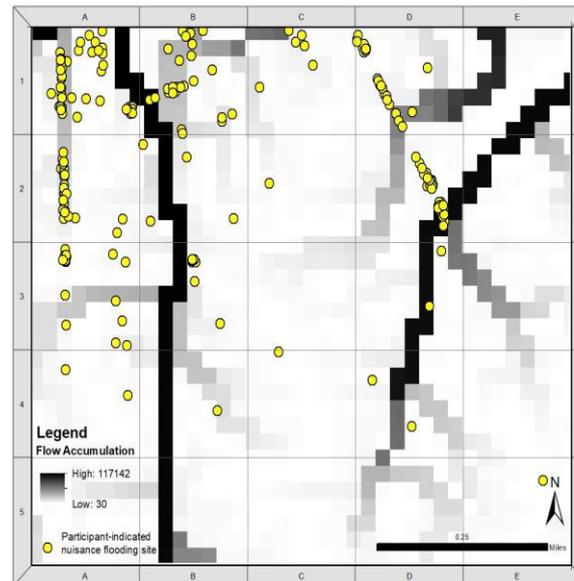


Walnut Creek Wetland Community Project (2016)



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Community Survey: Participatory mapping and Needs Assessment (2016-2017)
 Hasala, Dresden, Stacy Supak, and Louie Rivers. "Green infrastructure site selection in the Walnut Creek wetland community: A case study from southeast Raleigh, North Carolina." *Landscape and Urban Planning* 196 (2020): 103743.



Walnut Creek Wetland Community Project (2016)



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Walnut Creek Wetland Community Project (2016-17)



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Walnut Creek Wetland Community Project (2018)

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Walnut Creek Wetland Community Project (2018)



Walnut Creek Wetland Community Project (2018)



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Walnut Creek Wetland Community Project (2019)



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PURPOSE

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Walnut Creek Wetland Community Project (2019)



Parks with PURPOSE

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WE NEED YOUR INPUT!

What you can do:

- Visit the [project website](#) now to review and vote on concepts
- Attend a [virtual Parks with Purpose](#) workshop using Zoom. Details on back.

APRIL 20
5:30-6:30pm

www.raleighparkswithpurpose.com



Walnut Creek Wetland Community Project (2019)

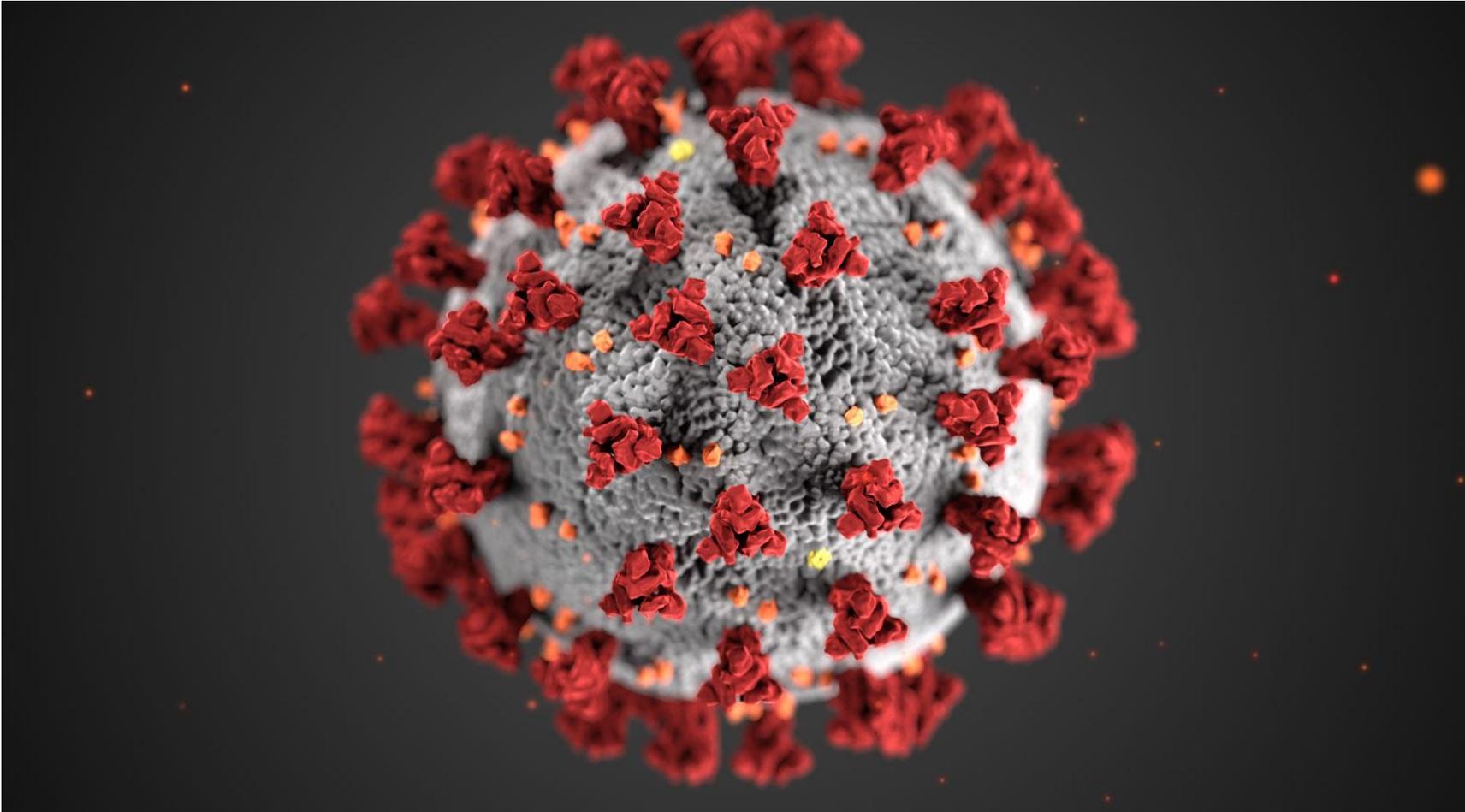
DESIGNWORKSHOP



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Walnut Creek Wetland Community Project (2020)

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Walnut Creek Wetland Community Project (2021)



BAILEY DRIVE GATEWAY AT WALNUT CREEK WETLAND PARK
CONCEPT NO. 2 / A WALK IN THE NEIGHBORHOOD

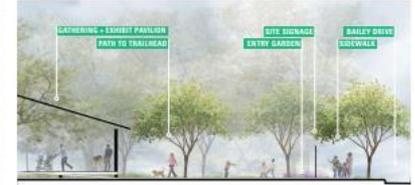
This concept's focus is outward, celebrating the neighborhood and investing in a sidewalk and a series of art, garden and gathering areas on Bailey Drive. The primary site entry is at the west, with a pavilion inspired by Ranch house architecture and a trailhead leading to surface trails that skirt the wetland.



SECTION A / SIDEWALK FEATURE



PAVILION INSPIRATION DIAGRAM MIDCENTURY RANCH ARCHITECTURE



SECTION B / WESTERN SITE ENTRANCE + PAVILION



SITE MATERIALS

Lessons Learned



Lessons Learned



Lessons Learned



Thank You! Questions?

- Louie Rivers
- lrivers@ncsu.edu



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