Photo: Gary Simpson



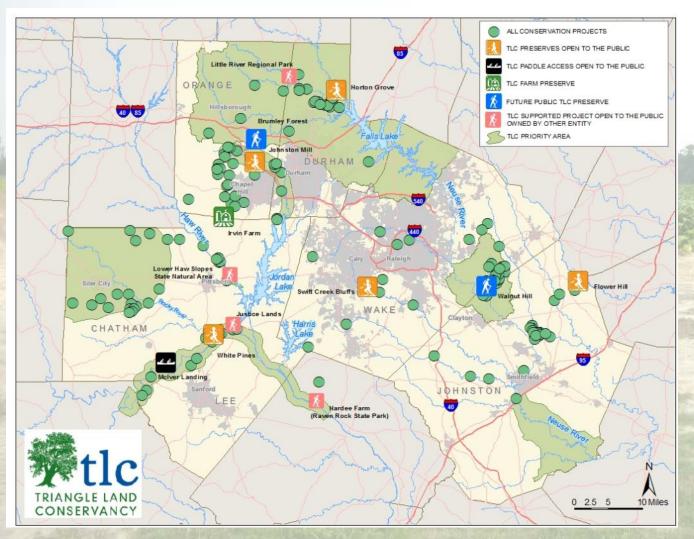
Jordan Lake One Water Association and Conservatio Strategy Analysis





Mission Statement





TLC strives to create a healthier and more vibrant Triangle region by safeguarding clean water, protecting natural habitat. supporting local farms and food, and connecting people with nature through land protection and stewardship, catalyzing community action, and collaboration.

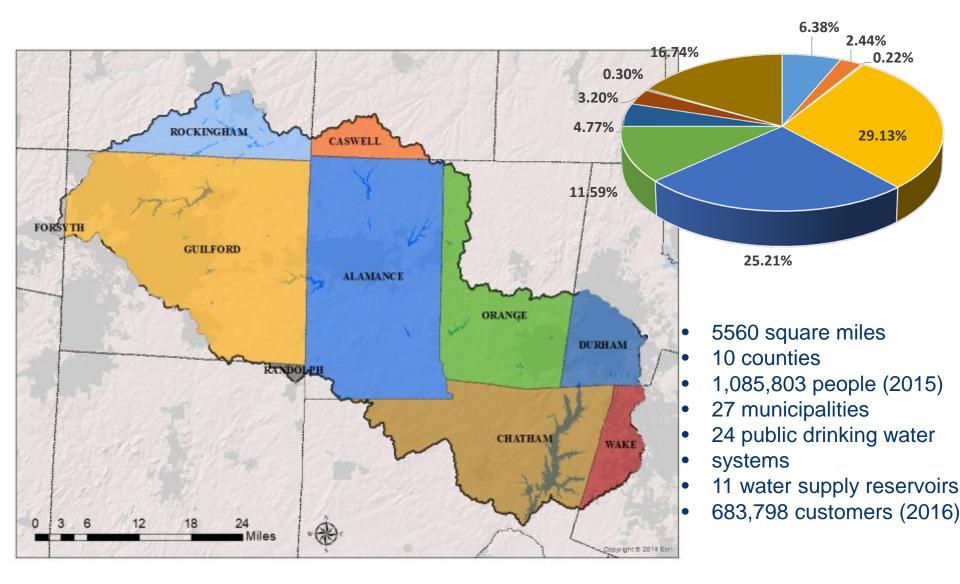
Safeguarding Clean Water

Outcome: Priority lands in watersheds identified & permanently protected. Results:

- An additional 5,000 acres of land in the Neuse River basin is protected in collaboration with cities of Raleigh, Durham, Wake County and nonprofit partners.
- An additional 2,000 acres of land is protected in Cape Fear basin with government, nonprofit and other partners.

The Upper Cape Fear

Percent of Watershed



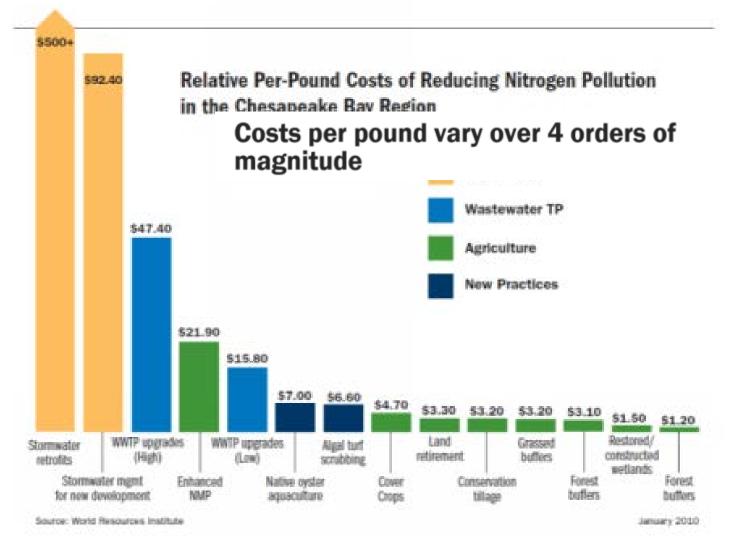


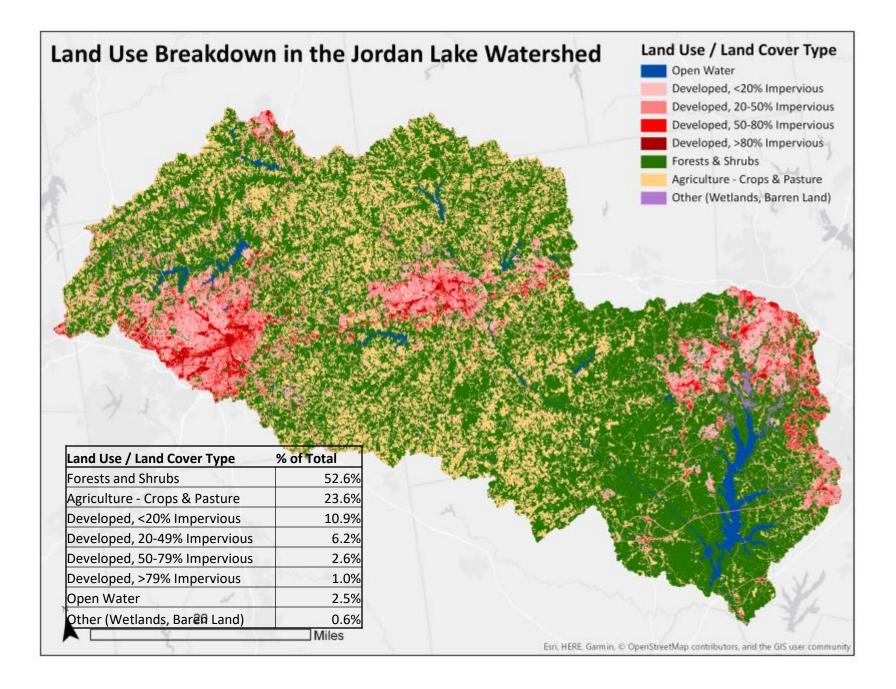
Upper Cape Fear Watershed

Developing a Conservation Strategy to Protect and Provide Clean Water



Costs per pound vary over 4 orders of magnitude





Conservation Planning

Water Sources and Conveyances

- Protect Headwater Streams
- Support connected high quality water features
- Protect stream bank buffers

Uplands

- Protect uplands and pervious areas
- Protect areas with minimal impervious surface
- Protect uplands with forest cover

Infiltration and Retention

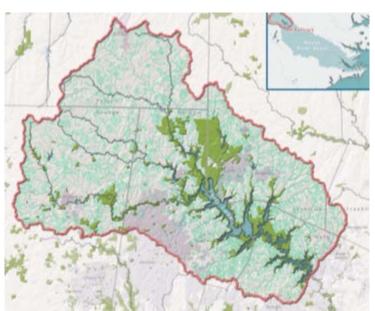
- Promote infiltration and retention through wetland protection
- Promote filtration through floodplain protection
- Protect groundwater recharge areas

- Vulnerable Areas
- Protect wet/hydric areas
- Protect steep slopes
 Protect highly
- Protect highly erodible soils











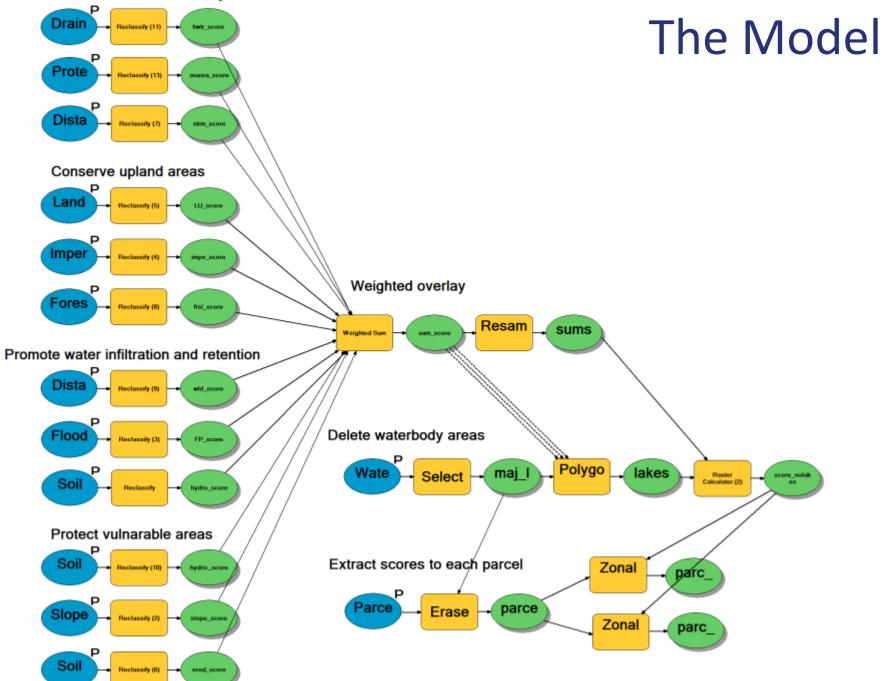
Water Quality Impacts

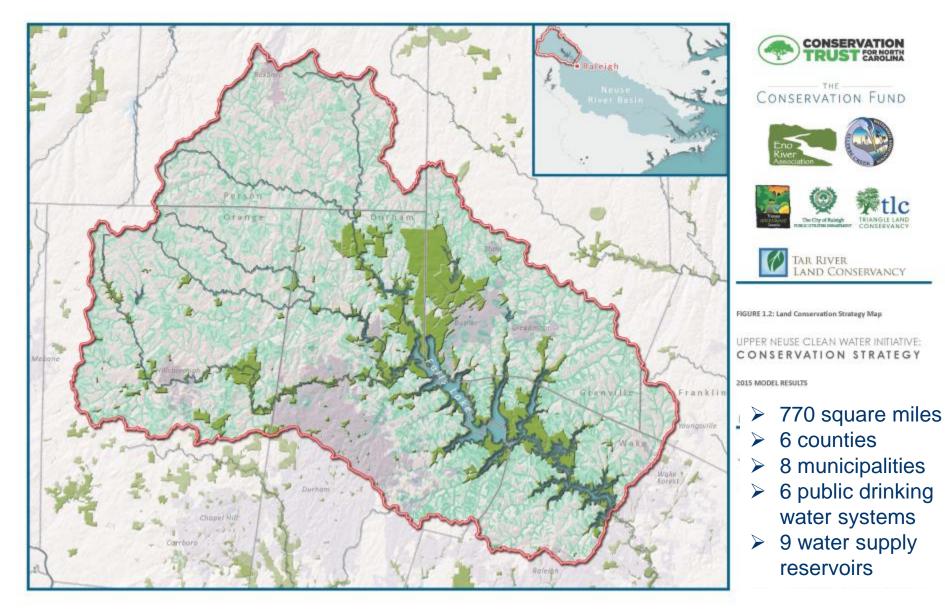
Properties conserved	110
Acres protected	10,213
Leverage Ration	11:1
Value of Property Protected	\$82 M
Value Donated by Landowners	\$23 M
City of Raleigh Investment	\$7.6 M





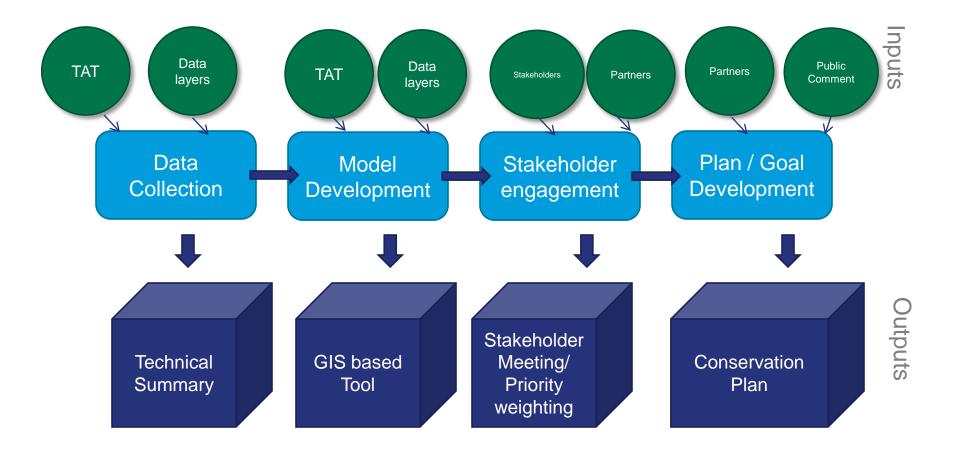
Protect water sources and conveyances



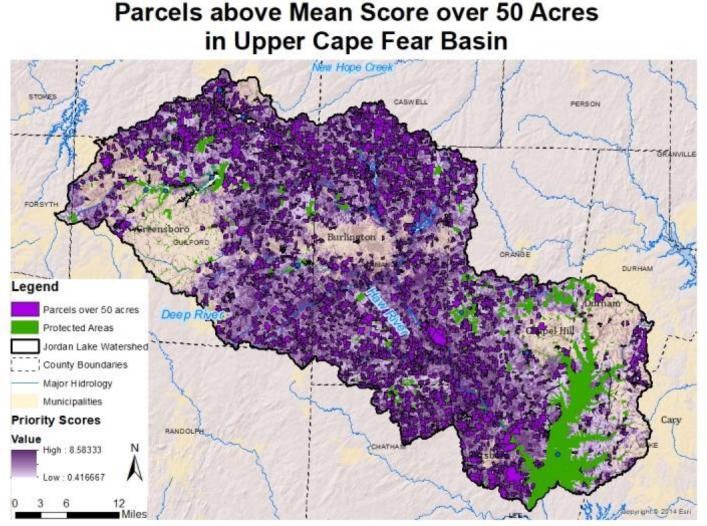


Priority parcels = Score 4.2 (mean) or above, within 50' of waterbody **Priority area** = 17,000 parcels (15% of total), 260,000 acres (56% of total)

Process for Strategy



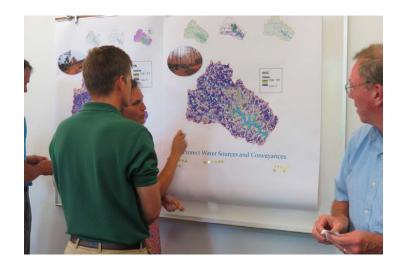
Preliminary Results

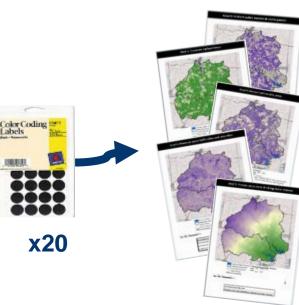


- 2,844 parcels are 50 + acres
- 273,900 acres

Draft Timeline

Sep/ Oct	Data updates and collectionModel update and technical feedback	
Nov/ Dec/ Jan	Stakeholder weighting and inputModel Feedback	
Jan/ Feb	Plan Outreach and review	





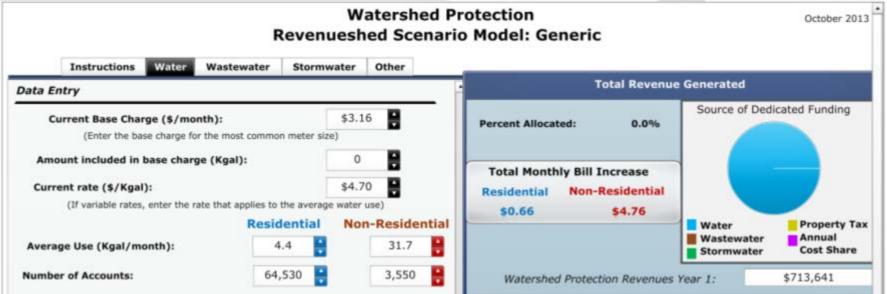
Goals

Work with Stakeholders to refine model and weights Draft Plan and set conservation goals Develop outreach and funding strategy Build momentum and leverage with additional partners

Funding

- > Haw River sub-basin potential revenue generation
 - \$0.15 per 1000 gallons, volumetric fee
 - Generates ~\$3.06 million a year*
- Water Users: 461,091 residential accounts

39,407 non-residential accounts



* This number is calculated using Capacity for Watershed Protection Investment tool development by Environmental Finance Center at UNC; major data sources are NC Local Water Supply Plans 2016 (2013 when data not available) and the most conservative estimates based on rate and fees of water use in town of Cary for fiscal year 2018. Leigh Ann Hammerbacher Associate Director of Conservation and Stewardship Triangle Land Conservancy Ihammerbacher@triangleland.org

Questions?

