



GREEN GROWTH TOOLBOX

Wildlife and Natural Resource Stewardship in Planning

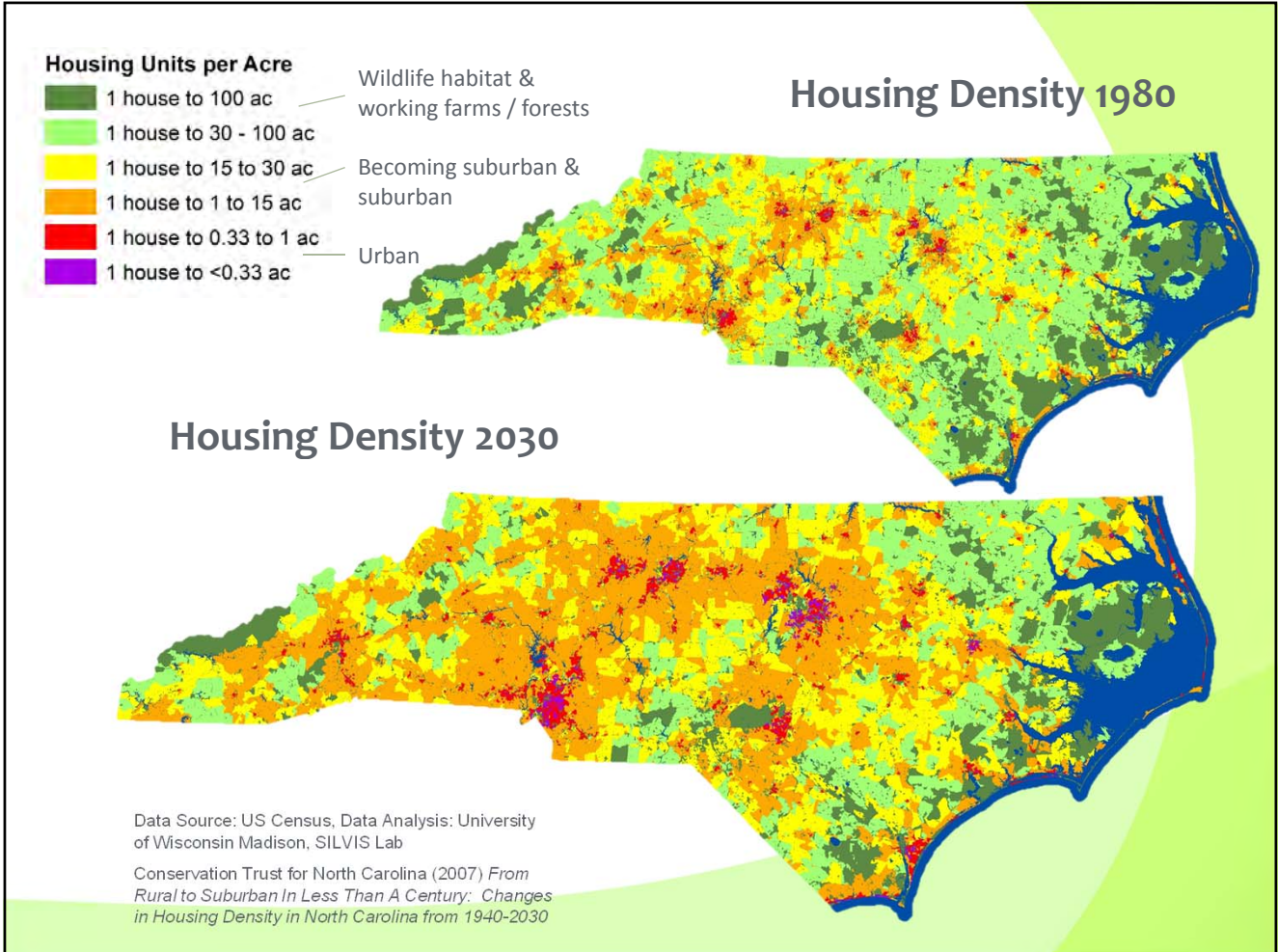


Coordinated by the
N.C. Wildlife Resources Commission

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Kentucky warbler

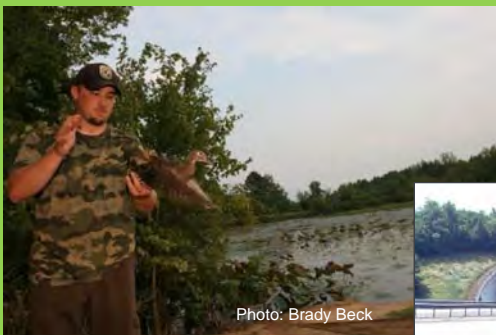


The Status of Wildlife in North Carolina



- >450 Species of Greatest Conservation Need
- 38 federally listed as endangered or threatened
- Most salamander species (>46) in the world!
- 8 of the 21 most endangered US ecosystems
- Development *patterns* & habitat fragmentation are a top threat

Bridging the Gap Between Wildlife Biologists & Land Use Decision Makers



Elected Officials

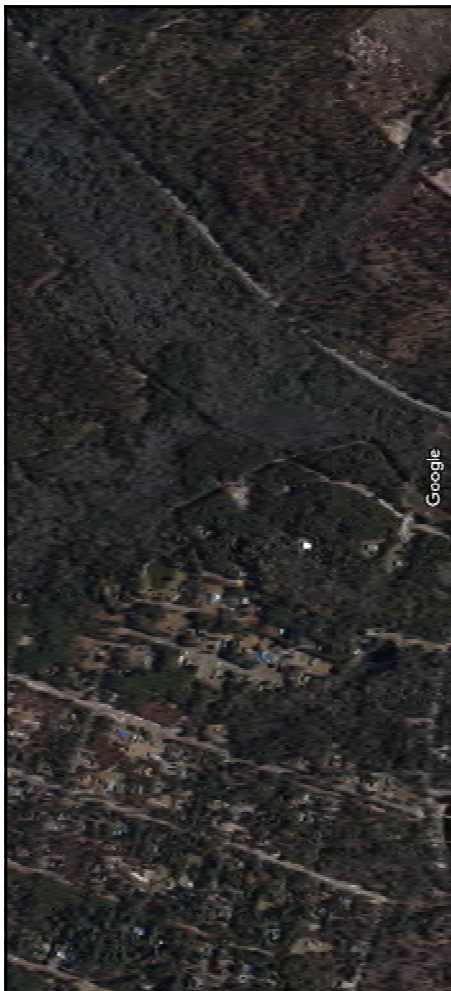


Biologists

**Wildlife conservation
measures
are a missing piece**



Planners & Developers



A non-regulatory guide and
technical assistance program



Wildlife & Natural Resource
Stewardship in Planning

for integrating priority wildlife
habitat conservation in
local government
land use & transportation
planning.

Contributors and Partners





What is in the Green Growth Toolbox?



- ⦿ Handbook
- ⦿ Conservation Data
- ⦿ www.ncwildlife.org/greengrowth
- ⦿ Training workshops
- ⦿ Technical assistance
- ⦿ Some funding for local gov't conservation planning.



What is Green Growth? Minimizing Impacts

Missed opportunity





What is Green Growth? Maintaining Habitat Connectivity



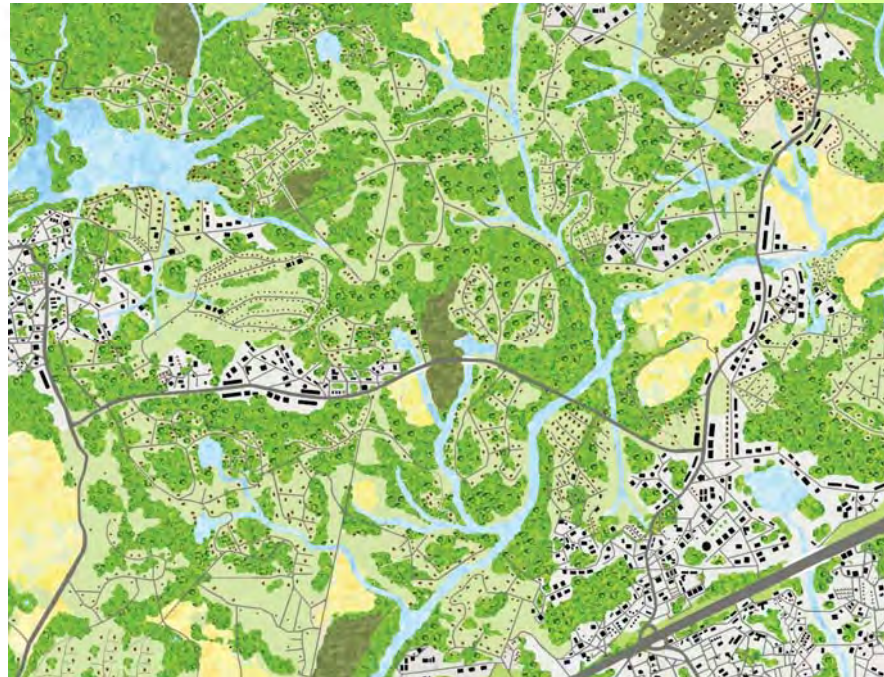
Greenville, NC. Horizons 2026



bobcat

Spread-out development patterns are a top threat to wildlife and natural resources in our state.

- Farms
- Lawn
- Working Forests
- Native Forest
- Streams, Rivers & Reservoirs
- Residential
- Commercial / Industrial



Graphic design by Echo 3 Creative, Star, NC

The Toolbox can be used to plan for landscapes where wildlife & natural resources are secure.

- Farms
- Working Forests
- Native Forest
- Streams, Rivers & Reservoirs
- Residential
- Commercial / Industrial
- Lawn



Graphic design by Echo 3, Star, NC

Same amount of development as previous slide



What is Green Growth? Maintaining Habitat QUALITY



3/14/2018

What is Green Growth?

CONSERVATION DATA FOR GREEN GROWTH MAP

ArcGIS Conservation Data for Green Growth New Map

Find address or place

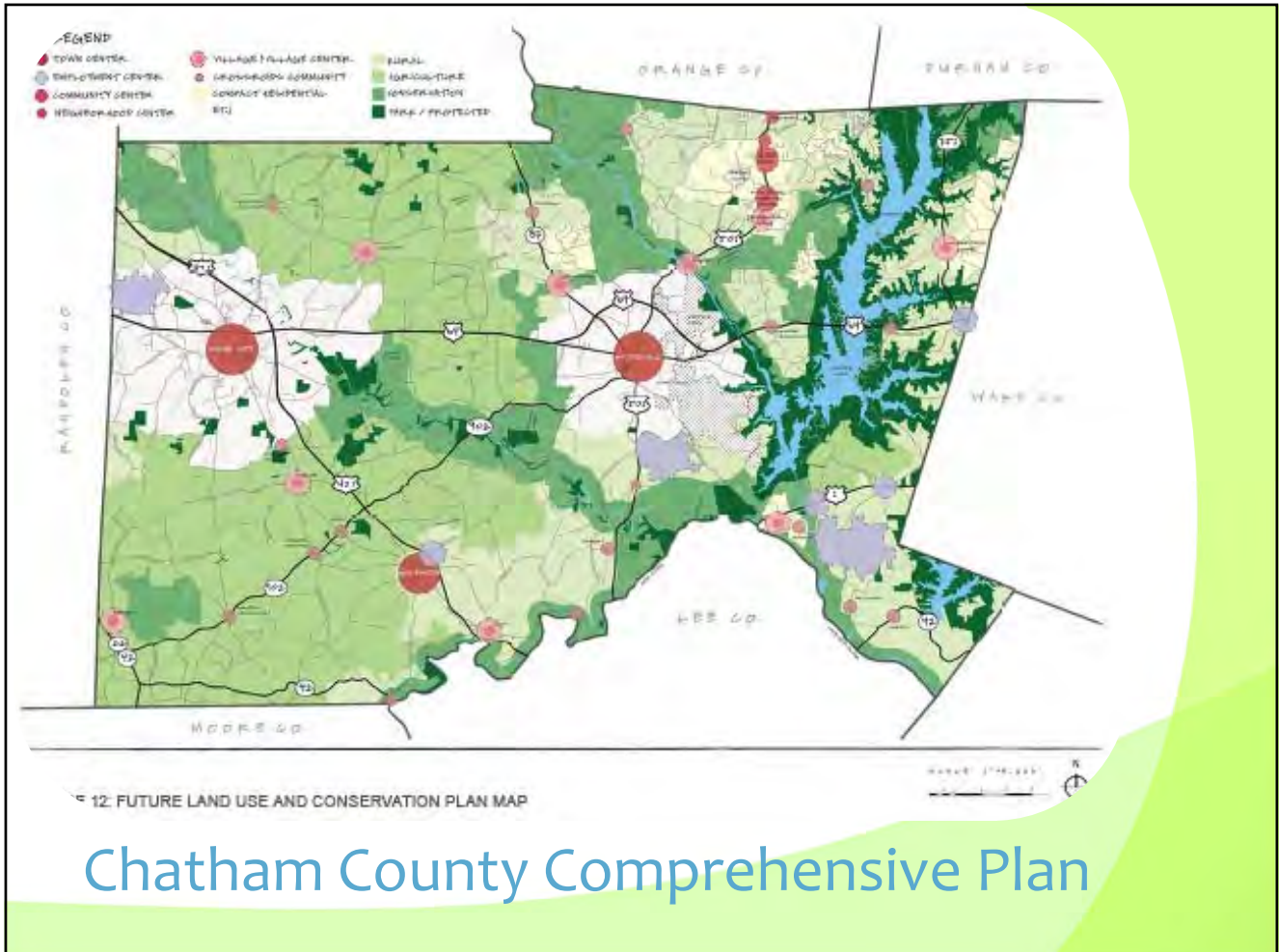
CONTACT

30 GOVERNMENT CENTER DRIVE
DAVID R. SANDIFER BUILDING
FIRST FLOOR

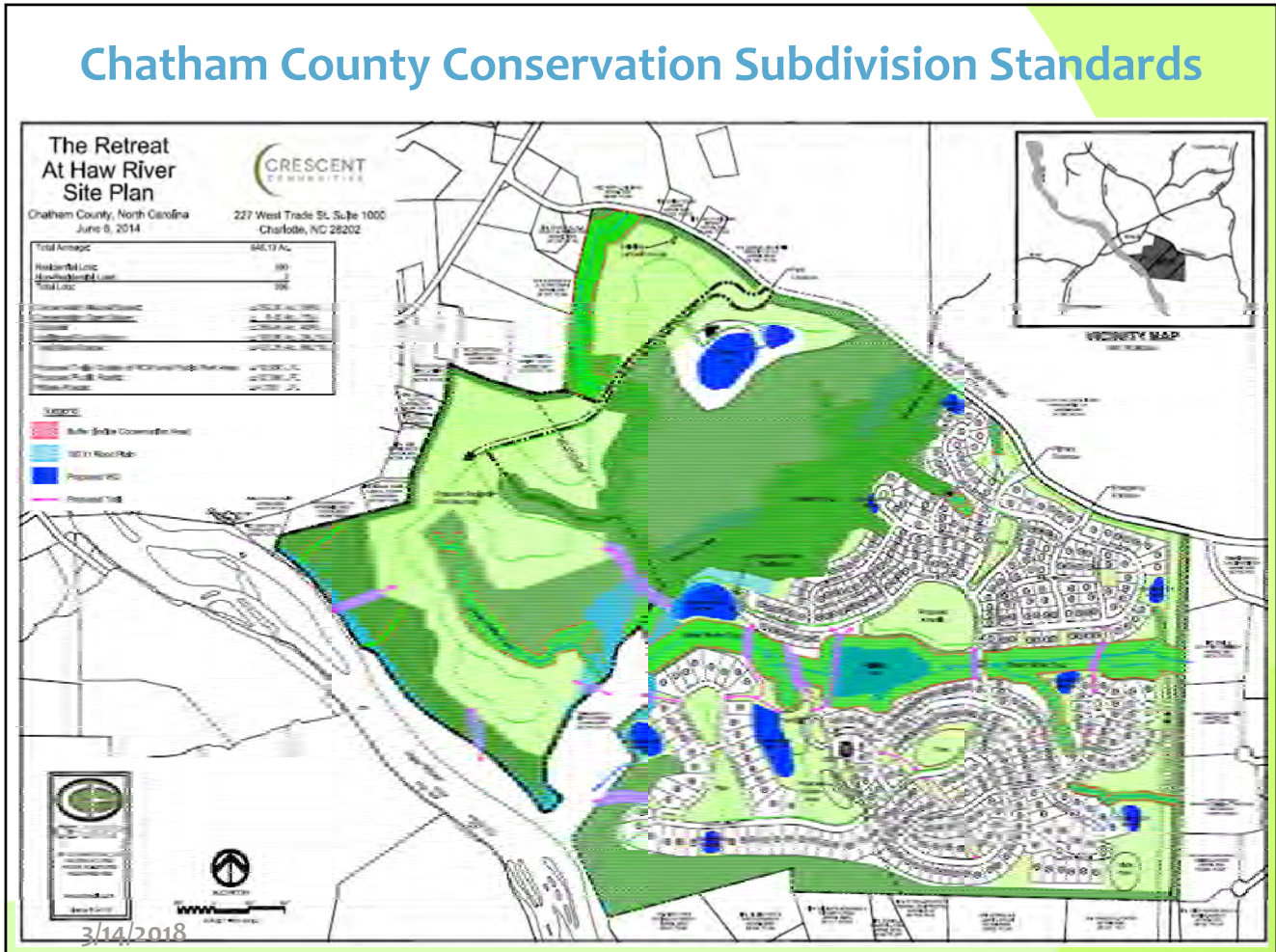
Contents

- Subwatersheds with Federally Listed Aquatic Species
- Biodiversity and Wildlife Habitat Assessment
- Natural Areas
 - Natural Areas
 - Exceptional
 - Very High
 - High
 - Moderate
 - General
 - Unranked
 - Managed Areas

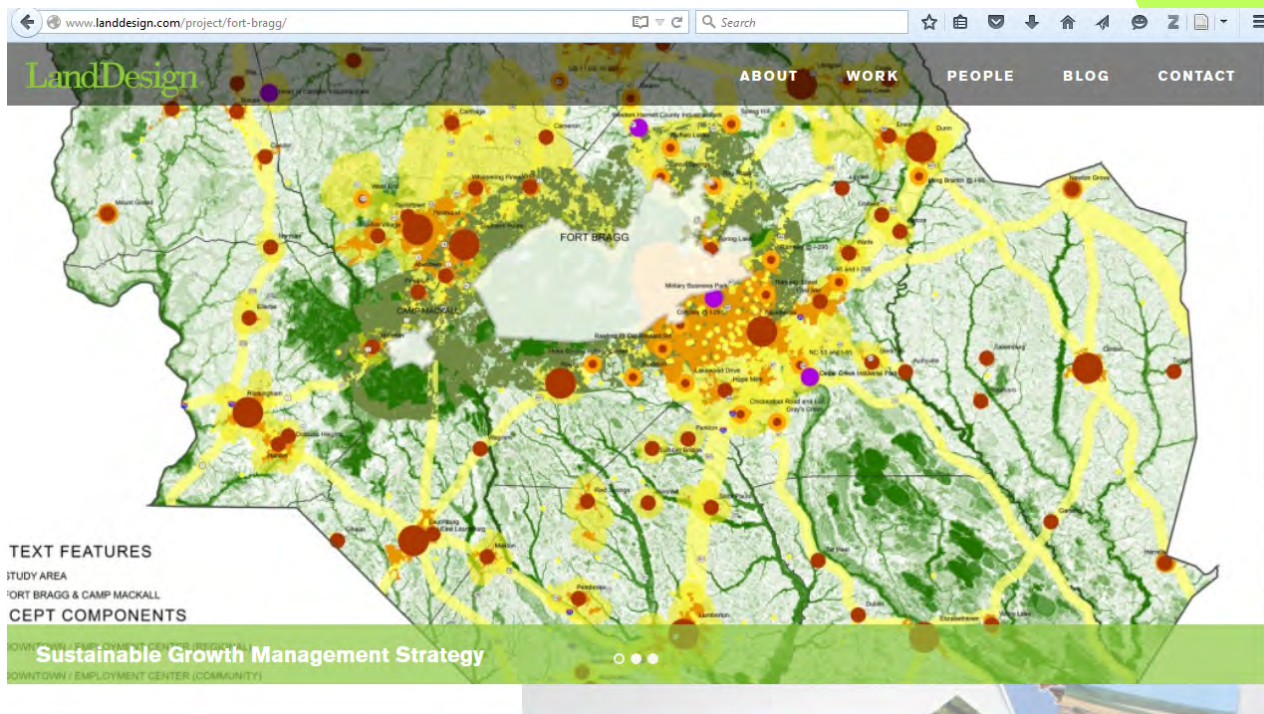
Using **maps** of priority wildlife habitat in local planning, incentives and ordinance making & development review & design



Chatham County Conservation Subdivision Standards



Fort Bragg Sustainable Growth Strategy



3/14/2018

Town of Davidson



Primary Conservation Areas:

Stream buffers (regulated)
Floodplains
Steep slopes

Additional Open Space: rock outcroppings, forests, ponds, streams, upland areas, viewsheds, wildlife habitats, trails, and/or community farms and gardens

And...
600 feet riparian buffers



Green Growth Toolbox Implementation

- ⦿ Over 500 land use planners & local government staff trained.
- ⦿ Over 90 counties, towns, and cities
- ⦿ 34 communities have received technical assistance & are incorporating priority wildlife habitat in land use planning projects.

Other projects in the works

- ① Person County Flat River Conservation Plan
 - Partner: Piedmont Conservation Council
- ① Mebane Comprehensive Plan and Ordinance update
- ① Pender County Comprehensive Plan
 - Partner: Cape Fear Council of Government
- ① Carteret County Conservation Plan
 - Partner: East Carolina Council
- ① Conservation Design Lunch & Learn at development & planning firms.
 - Partner: Brunswick County Planning Dept. & Stewart Consulting
- ① Eno-New Hope Landscape Conservation Project

Thank You! Questions?



Wildlife & Natural Resource Stewardship in Planning



Jeff Humphries NCWRC



Acknowledgements

Jacquelyn Wallace and Jeff Marcus (developers of the GGT), Mallory Martin, Janice Allen, Pete Benjamin, Ryan Bollinger, Allen Boynton, Kimberly Brand, Sarah Bruce, Shari Bryant, Cindy Carr, Marla Chambers, Sarah Childs, David Cox, Shannon Deaton, Maria Dunn, Joy Fields, Melinda Ford, Linda Giltz, George Hess, Suzanne Mason, Kelley McCarter, Susan Moore, Chris Moorman, Matthew Moskwik, Nils Peterson, Curtis Smalling, Vann Stancil, Cy Stober, Dan Thomas, Emily Wells, Mark Zeigler. We thank NCWRC Executive Director Gordon Myers, Deputy Director Kyle Briggs and the Commission for their support.