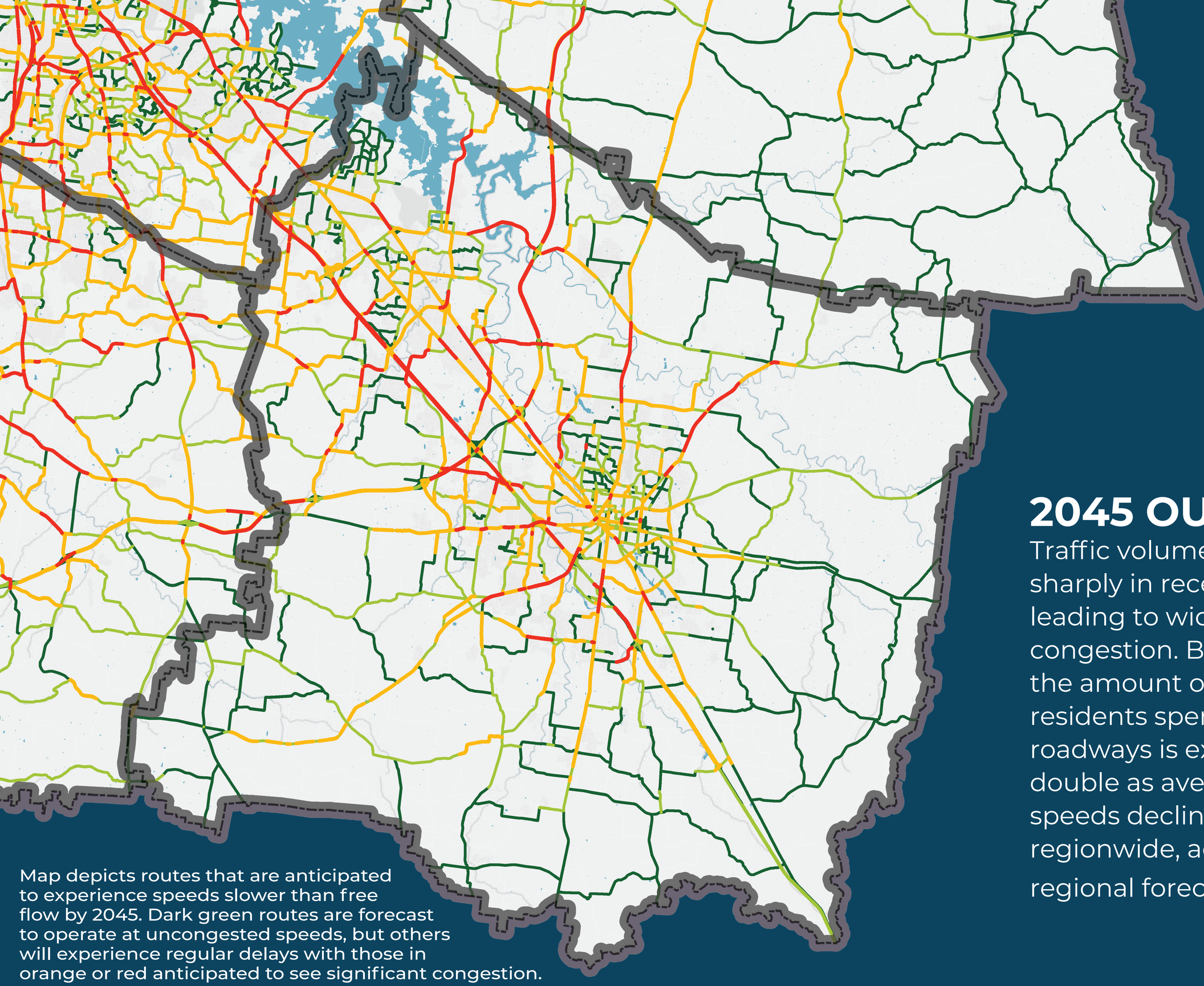


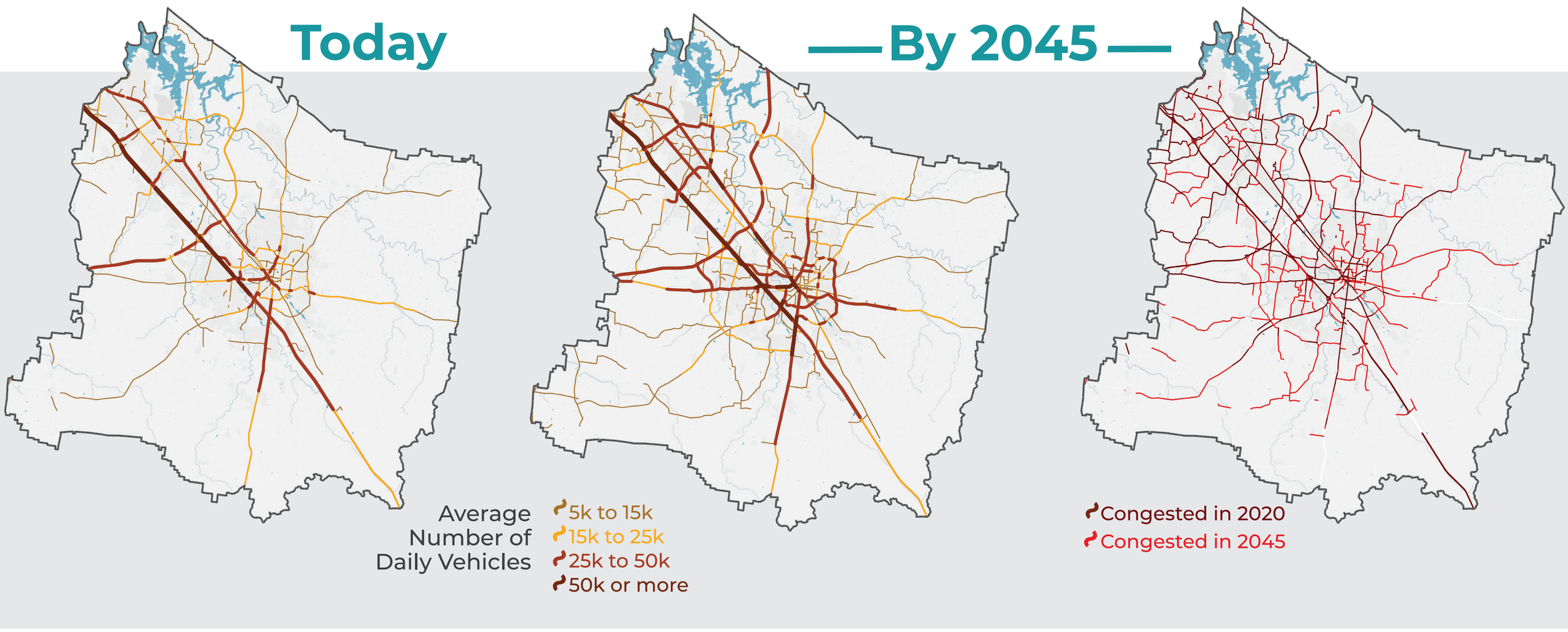
Map depicts routes that are anticipated to experience speeds slower than free flow by 2045. Dark green routes are forecast to operate at uncongested speeds, but others will experience regular delays with those in orange or red anticipated to see significant congestion.

2045 OUTLOOK

Traffic volumes have risen sharply in recent years leading to widespread congestion. By the year 2045, the amount of time area residents spend on congested roadways is expected to double as average travel speeds decline by 15% regionwide, according to regional forecasts.

Implications of Growth

Impacts on Transportation and Mobility



MURFREESBORO TO NASHVILLE

45-75 MINUTES Current Morning Commute

MORNING COMMUTE TIMES

121% increase by 2045

TOTAL TIME TRAVELING EACH DAY

89% increase by 2045

Data Sources: for poster: TDOT Traffic Counts; FHWA Highway Performance Monitoring System; GNRC Travel Demand Model

PLAN RUTHERFORD

Learn more at **PlanRutherford.org**

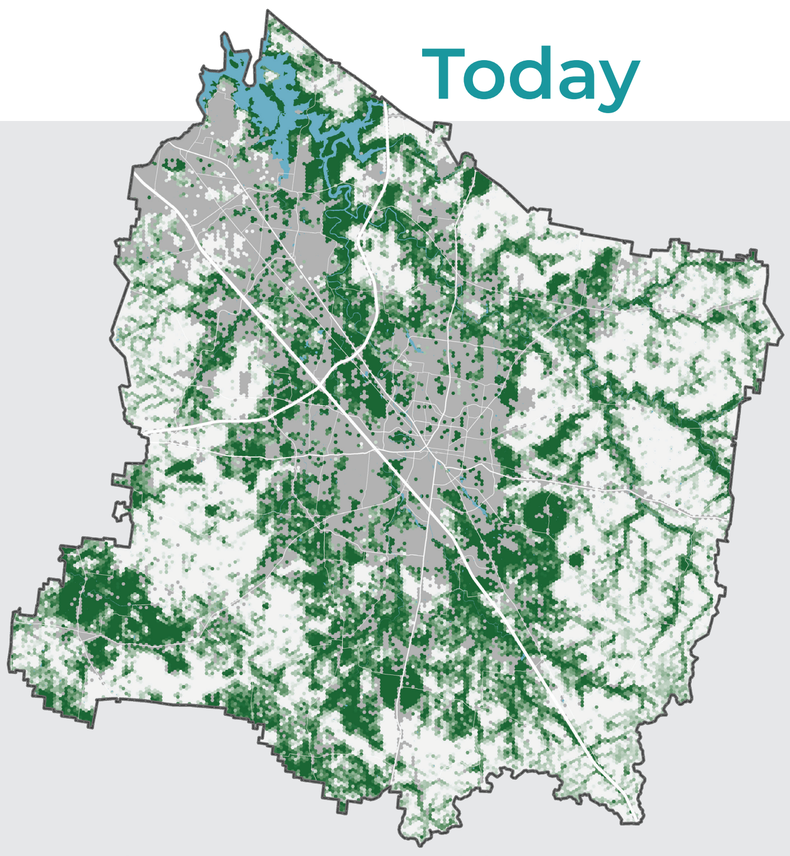
2045 OUTLOOK

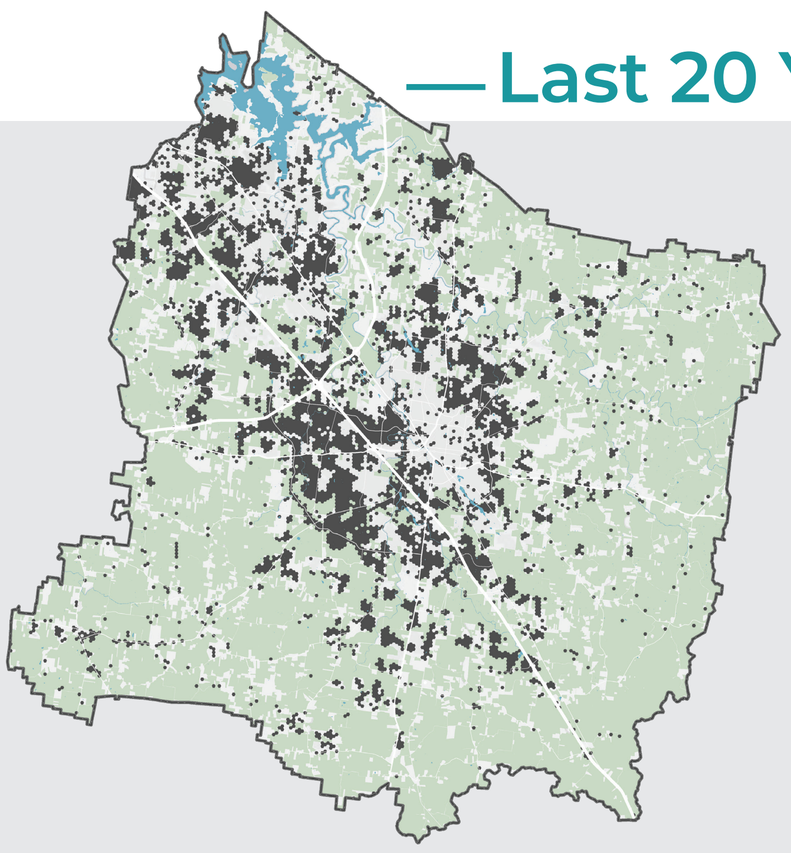
Rutherford County is home to a number of natural areas that will be vulnerable to future development if population growth continues to sprawl across the landscape as it has in recent decades. These areas include steep slopes, flood plains, wetlands, rivers and streams, and other habitats that support the county's biodiversity.

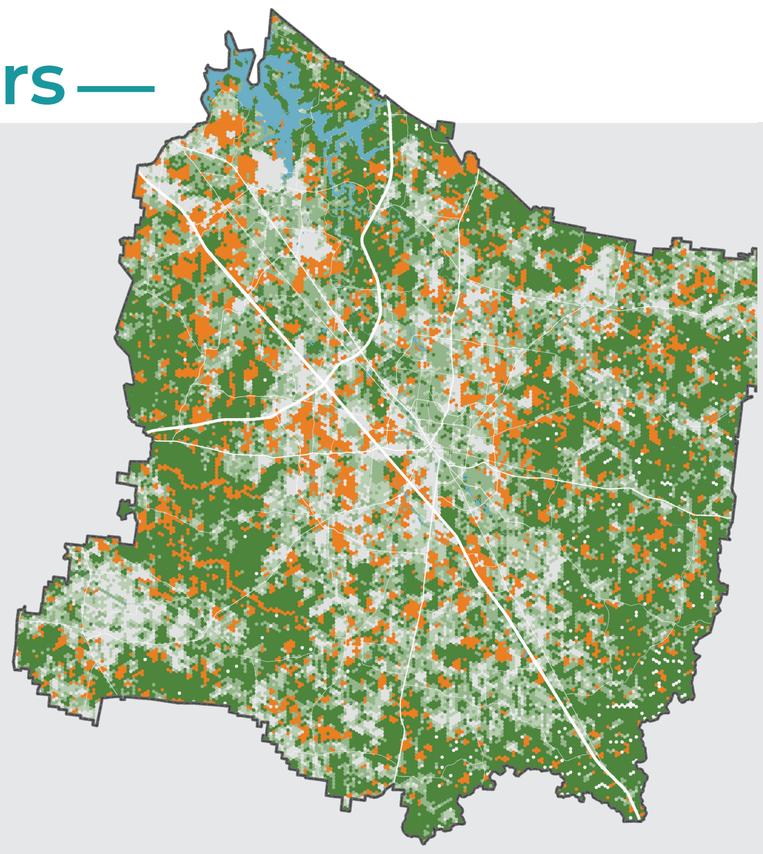
Map depicts environmentally sensitive areas in green or red depending on their level of vulnerability to projected growth. Red areas are most vulnerable to new growth based on regional land development forecasts.

Implications of Growth

Impacts on Open Space and Natural Areas







Environmentally Sensitive Areas
- Degree of Sensitivity
- Developed Areas

Gains in Impervious Surface
- New Impervious Surface
- Undeveloped Areas

Losses in Tree Canopy
- Density of Existing Canopy
- Areas of Lost Canopy

FOREST AND SCRUBLAND

35% of existing land consumed by 2045

AG AND GRASSLAND

28% of existing land consumed by 2045

ALL OPEN SPACE

100k acres of land consumed by 2045

Data sources for poster: National Land Cover Dataset; GNRC Land Use Forecasts and UrbanFootprint Model

PLAN RUTHERFORD

Learn more at **PlanRutherford.org**