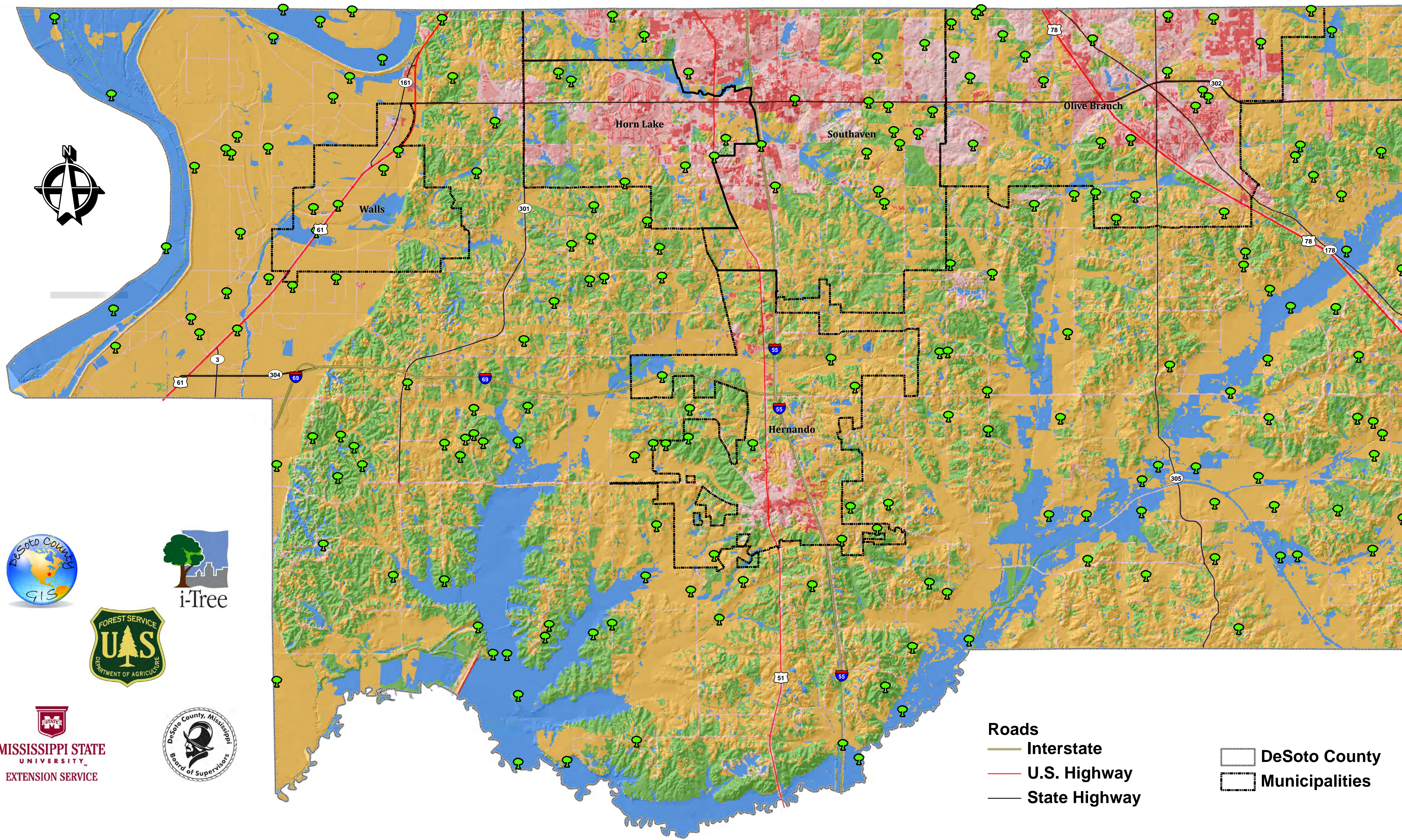


# DeSoto County i-Tree Project

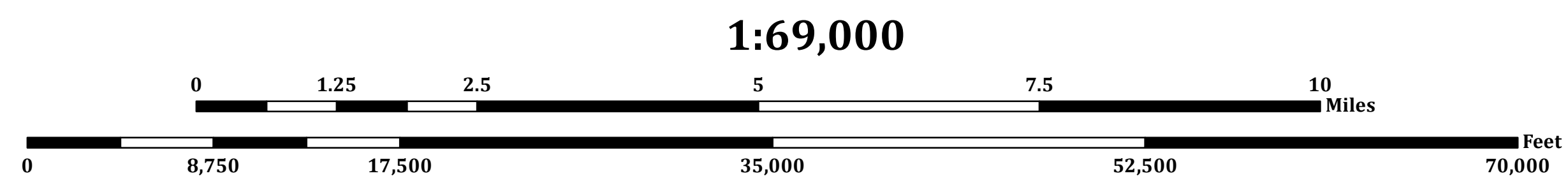
## Tree Inventory Locations and Land Cover



**Roads**  
 — Interstate  
 — U.S. Highway  
 — State Highway

**DeSoto County**  
 — Municipalities

**Tree Inventory Plots (1/10th Acre)**



**2001 Land Use / Land Cover**

- Open Space Developed
- Low Intensisty Developed
- Medium Intensisty Developed
- High Intensisty Developed
- Herbaceous
- Forest
- Wetlands

i-Tree Eco is a software application designed to combine data from multiple sources (tree inventory, air pollution, and meteorological data) to quantify urban forest structures and the environmental issues that influence surrounding communities. Joy Anderson (Mississippi State University Extension Service) and Eric Kuehler (Technology Transfer Specialist in the Center for Urban and Interface Forestry, USDA Forestry Services) worked with DeSoto County GIS Department to create a simple random sample of 200 countywide 1/10th acre plots. These plots were then assessed by Mississippi State University Students (John Formby, Rebecca Hardin, W. Ryan Hall, Ben Moore, and Taylor Pounds) as a summer internship.

The DeSoto County i-Tree Project began around January 2010 and will be an ongoing project for many years to come. As the county changes and grows throughout the next few years, and data becomes readily available (NLCD), this information will be reassessed for future projects to foster a more environmentally sustainable county.

GIS data was provided by DeSoto County GIS. The 2001 Land Use/Land Cover data was provided by the USGS's National Land Cover Database.

