# Progress Report on a Revised Land Cover Map for Oklahoma

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Oklahoma Biological Survey

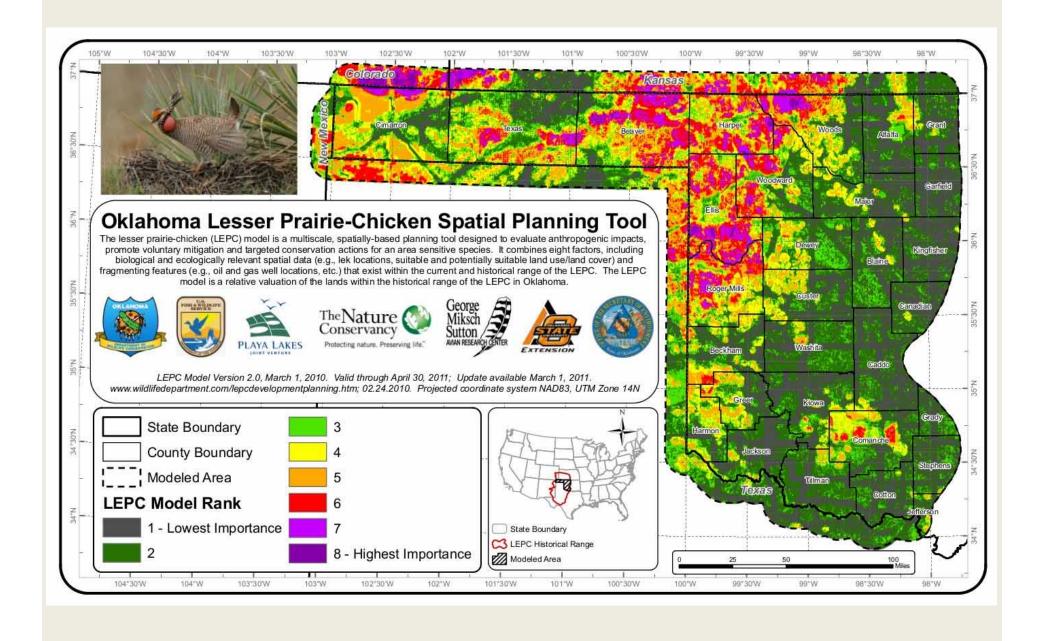


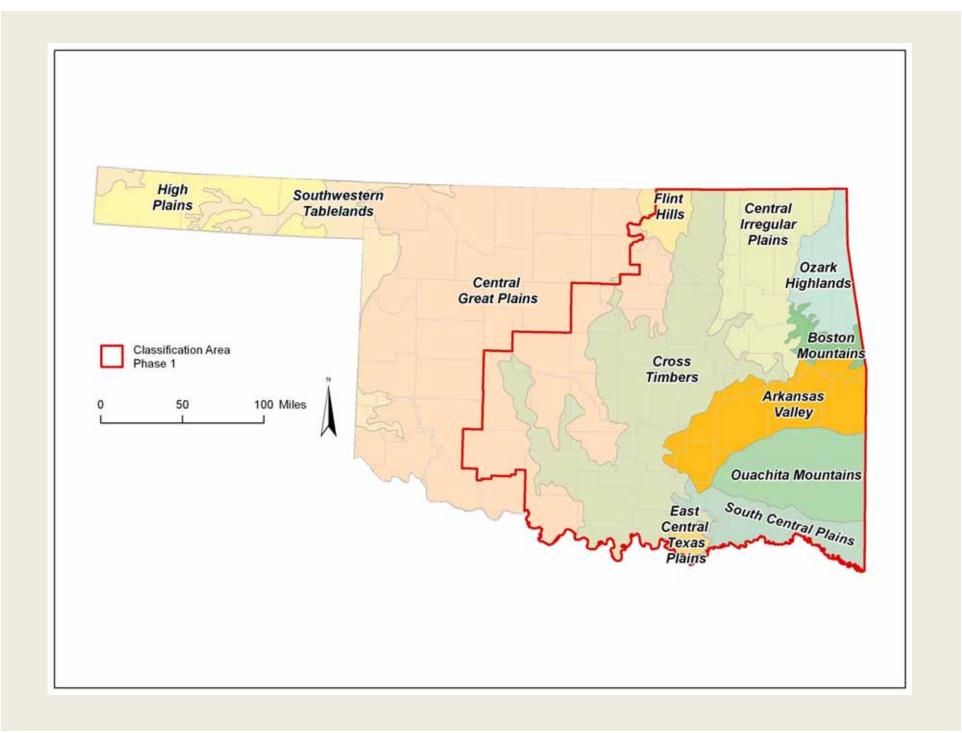


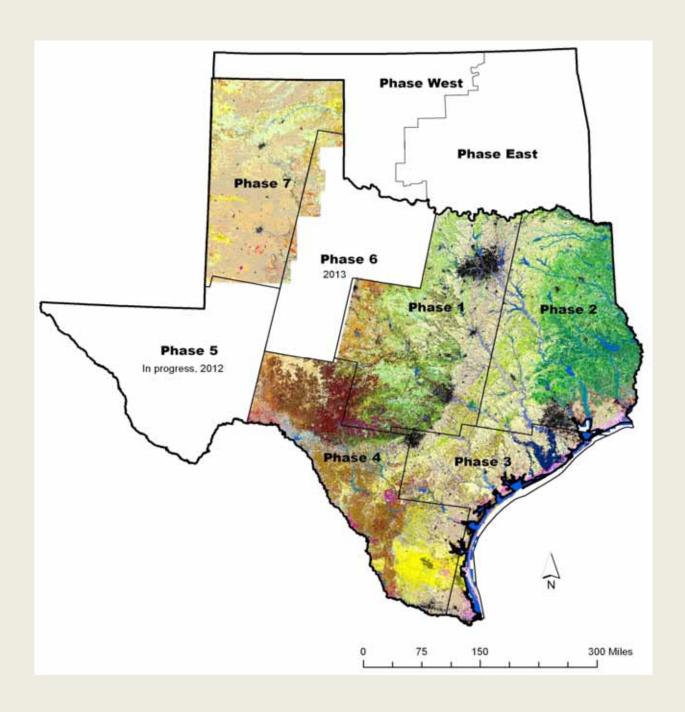


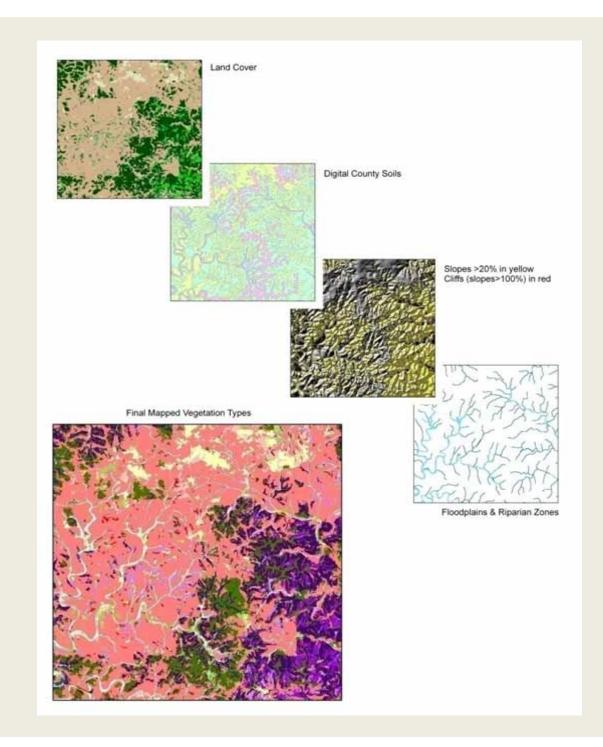




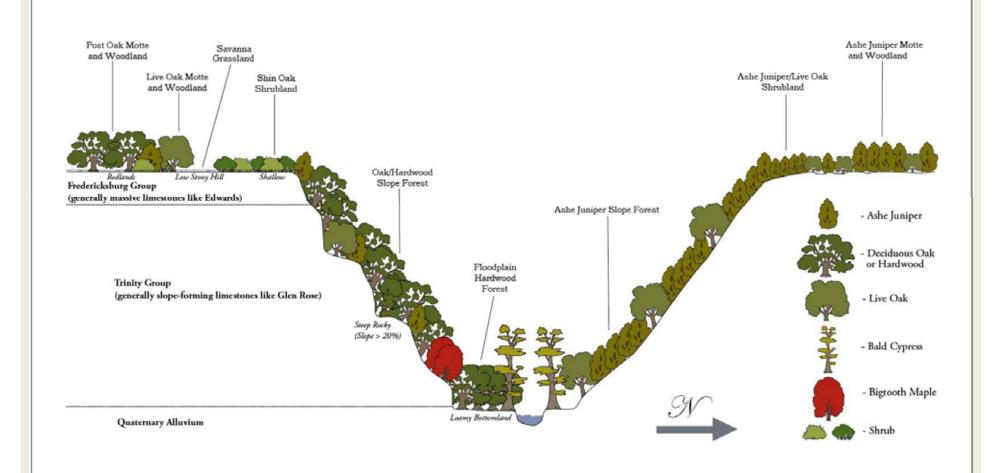


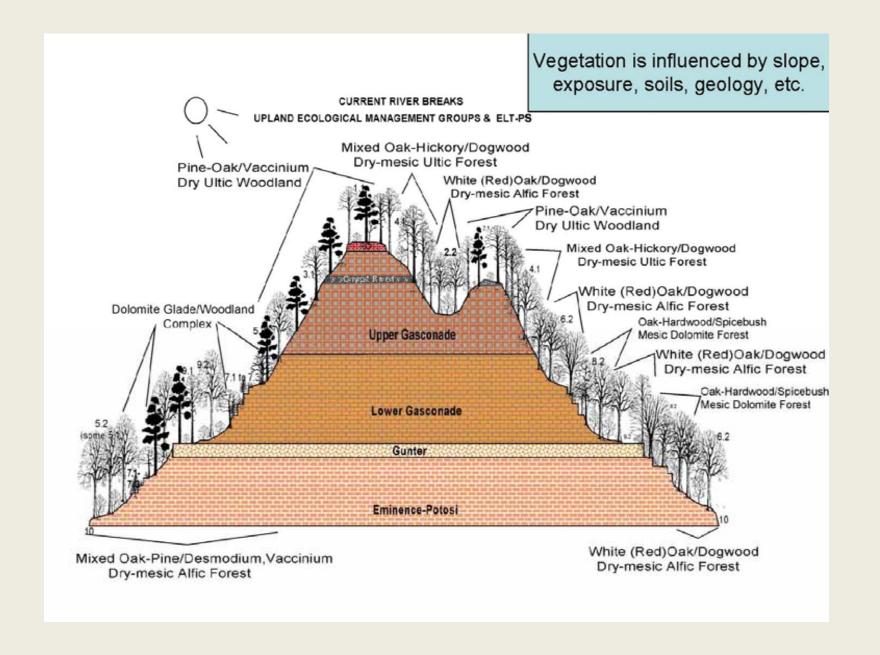


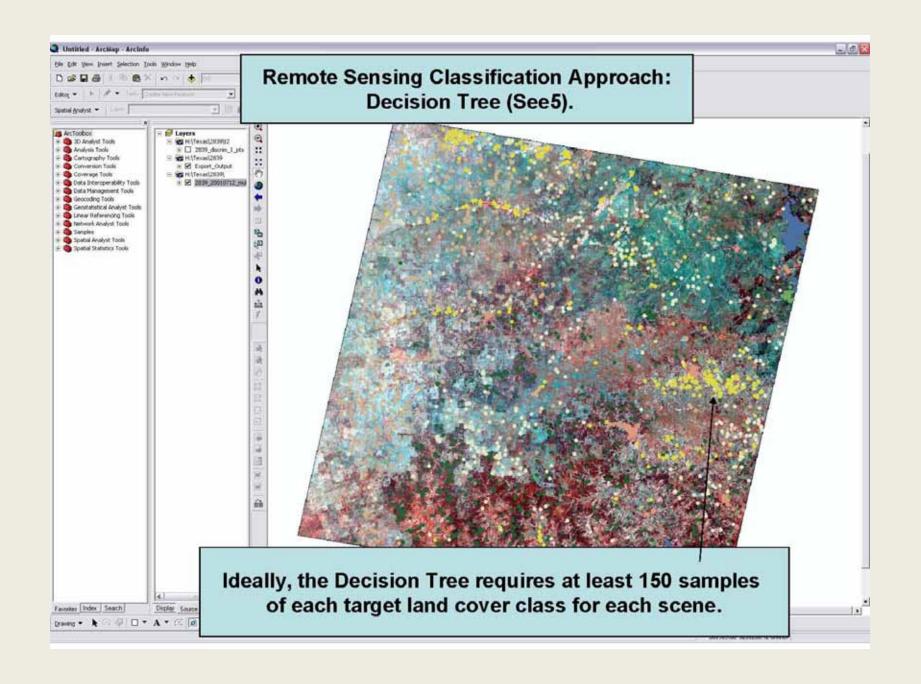




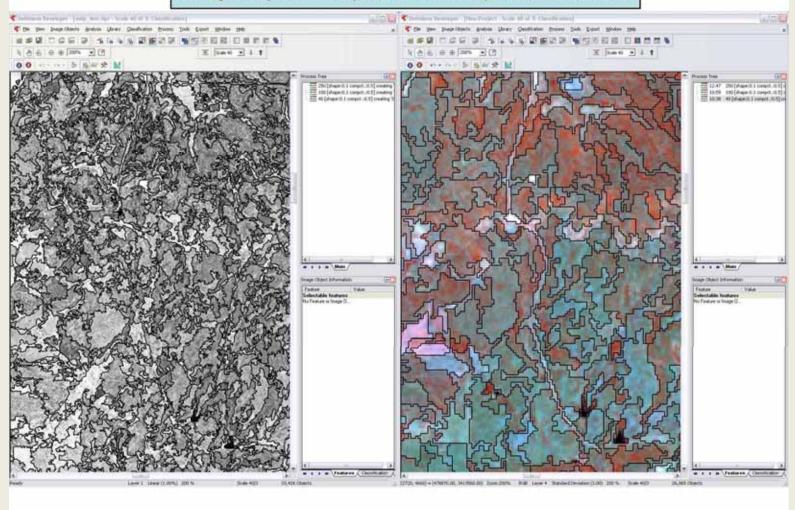
#### Representative Edwards Plateau Mapped Vegetation

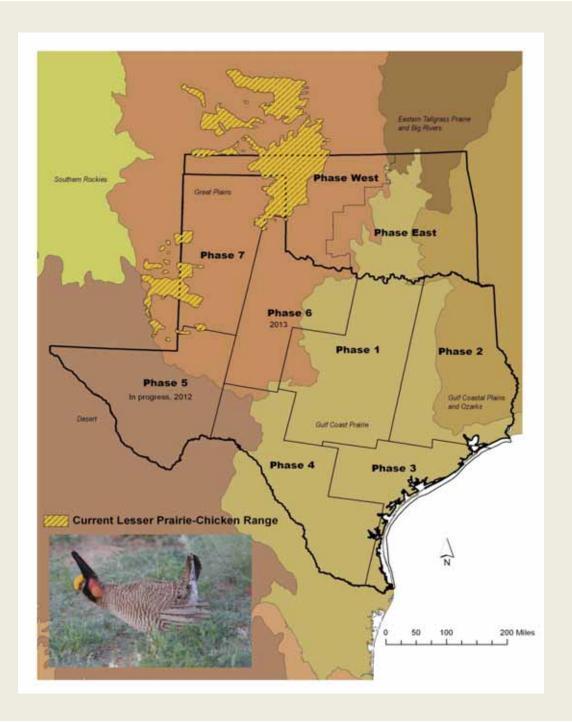






#### Image Objects - Improvement in Spatial Resolution





### **Field Data Collection**

- Ground-Truthing Vegetation Cover and Ecological Systems:
- Methods and Progress

# **Ecological Systems**



Juniper Woodland



Open Water/Marsh



Southeastern Great Plains Riparian Forest



Crosstimbers Oak Forest



Central Mixed Grass Prairie



**Exotic Pasture** 

# **Ecological Systems**



South Central Riparian Forest



Ashe Juniper Shrubland



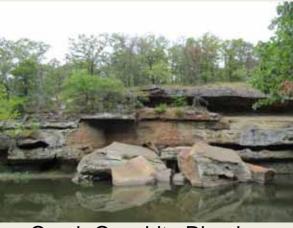
South Central Large-Interior Floodplain



Pine Plantation (> 3 meters)



Agriculture



Ozark-Ouachita Riparian Forest

# **Ecological Systems**



Central Interior Calcareous
Glade and Barrens



West Gulf Coastal Plain Large River Floodplain Forest



Ashe Juniper Woodland



Southeastern Great Plains Tallgrass Prairie

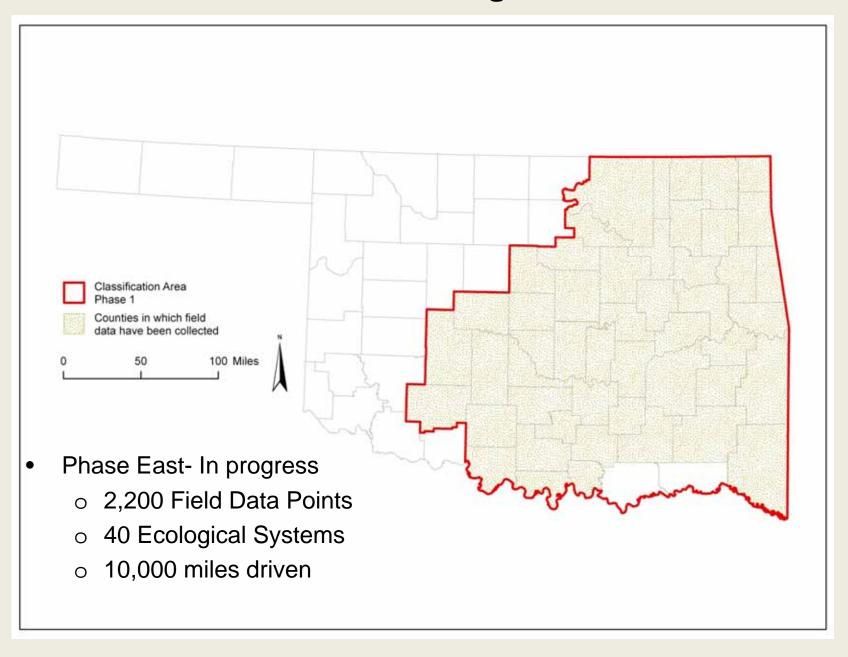


Ozark-Ouachita Shortleaf Pine-Oak Forest



Orchard (Pecan)

## **Field Data Progress**



### **Progress from the MoRAP Group**

- •Gathered soils, DEMs, Geology, air photos, and other layers for mapping
- •Acquired and mosaicked Landsat TM satellite imagery
- •Gather Forest Inventory & Analysis (FIA) data for Oklahoma
- Draft image objects from air photos completed

### **Improvements Over Existing Maps**

- •Increased thematic resolution (about 20x more mapped types than NLCD)
- •Increased spatial resolution (30 m to 10 m resolution)
- •Greater use of ground-based data (over 2,000 data points already)
- •Nationally-recognized classification system; adheres to relevant FGDC standards
- Seamless coverage across state boundaries