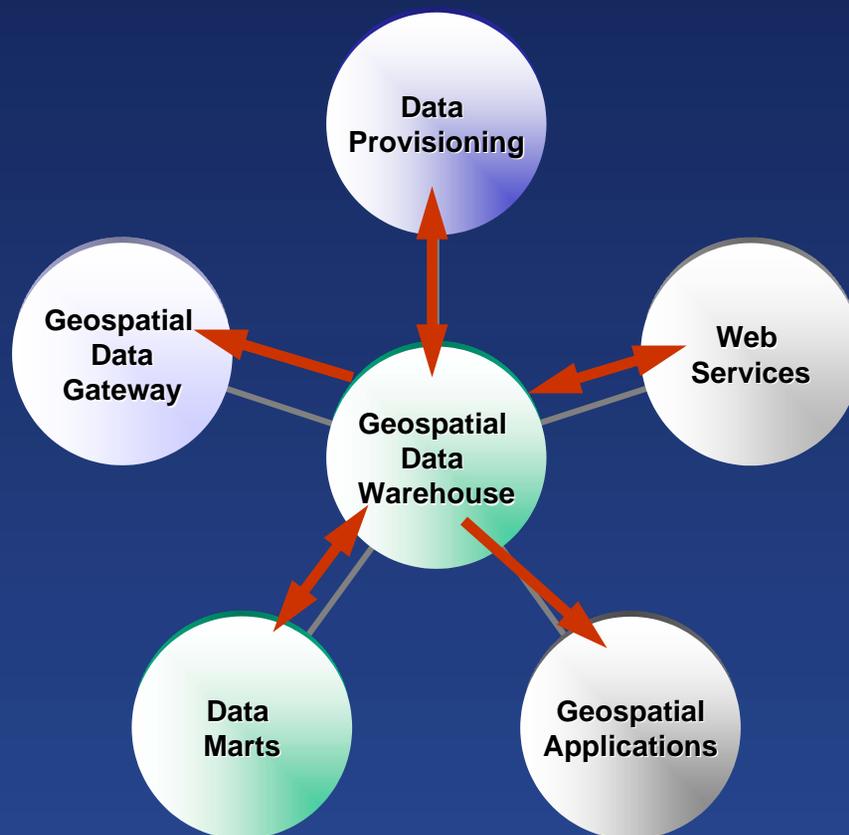


# National Cartography & Geospatial Center (NCGC)

## South Regional NCSS Work Planning Conference 2006

Daniels for Parham - June 12, 2006

# NCGC Helping To Enable Conservation Through “Core” Geospatial Technology



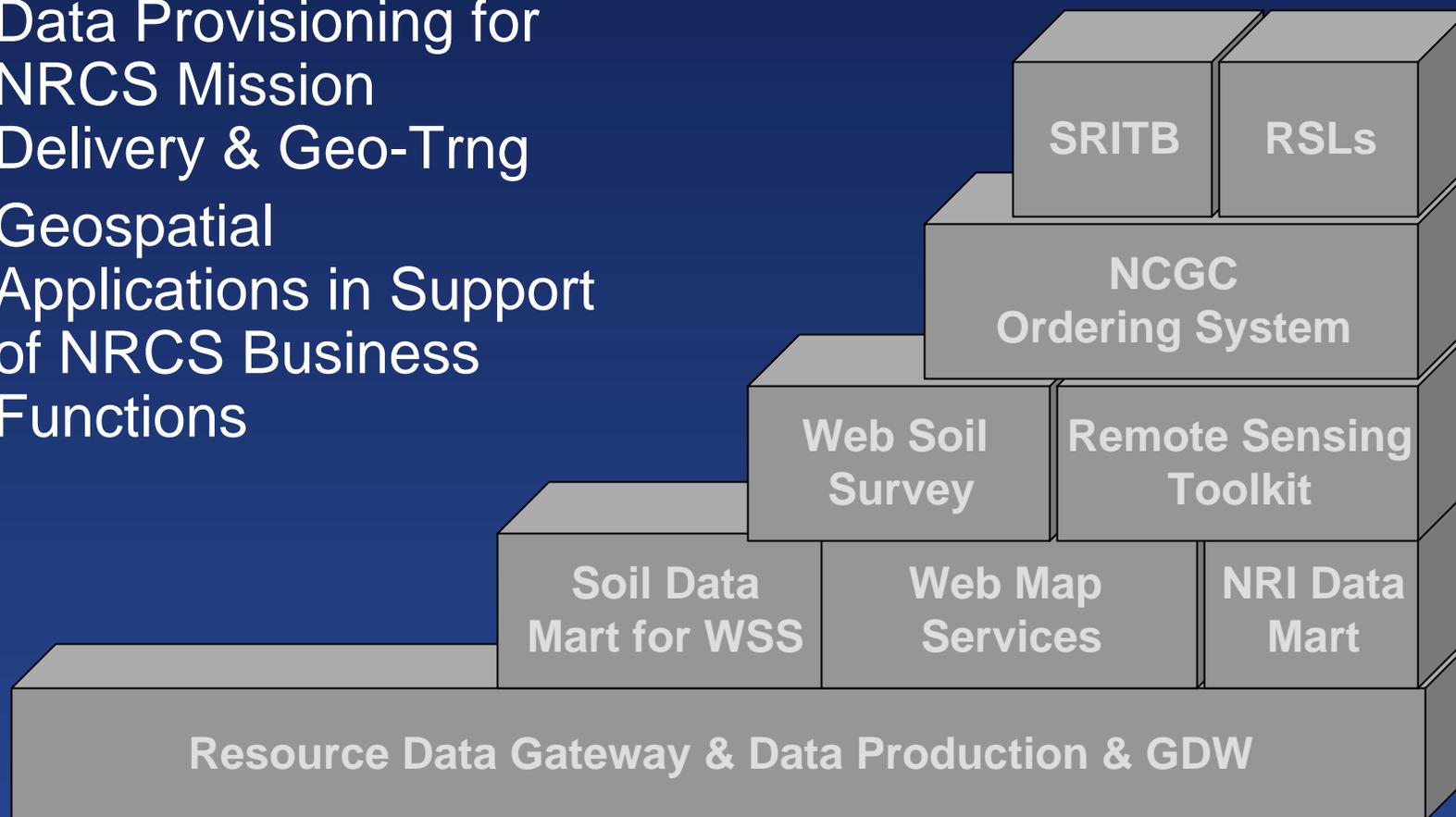
# Enabling Conservation Thru “Core” Geospatial Technology

- *NCGC CORE BUSINESS LINES*
- *Geospatial Data*
- *Geospatial Services*
- *Geospatial Technology*

*“ALL ARE ACHIEVED VIA HUMAN  
CAPITAL MANAGEMENT”*

# NCGC/NRCS Business Case

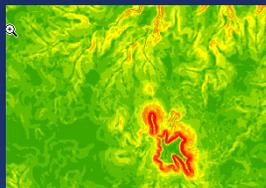
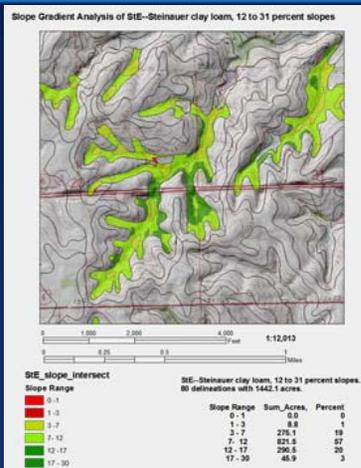
- Data Provisioning for NRCS Mission Delivery & Geo-Trng
- Geospatial Applications in Support of NRCS Business Functions



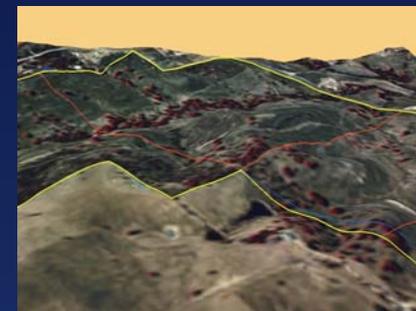
# NCGC SOIL SUPPORT

- WEB SOIL SURVEY SUPPORT
- GEOSPATIAL TRAINING
- MLRA PREPACKAGING DATA
- SOIL SURVEY “PILOT PROJECTS”
- WORK ON SRITB TEAMS
- IMAGERY (FIELD & PUBLICATIONS)
- DEVELOP ELEVATION STRATEGY
  - NICHE FOR: LIDAR -IFSAR -DEM<sub>s</sub>

# Terrain Modeling Applications



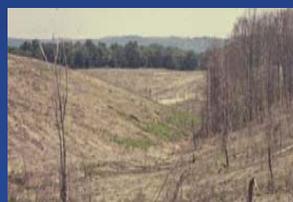
Analysis



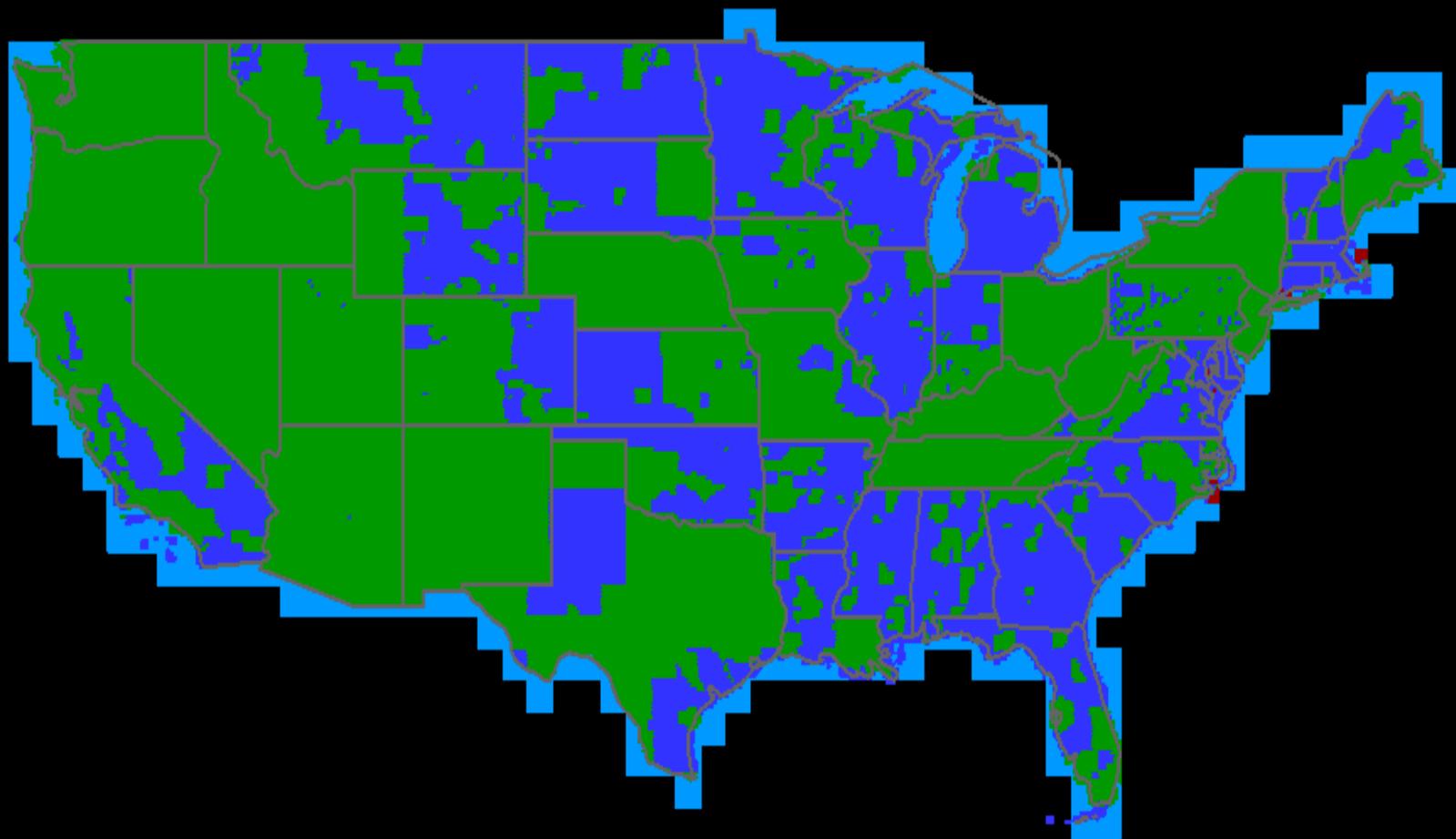
Visualization



DEM



Reality



Order NED  
NED Docs

Display Legend

Current Active Layer

States-15M

### Layers

Visible

- States-15M
- Resolution
- Production\_M
- Date\_of\_Upd

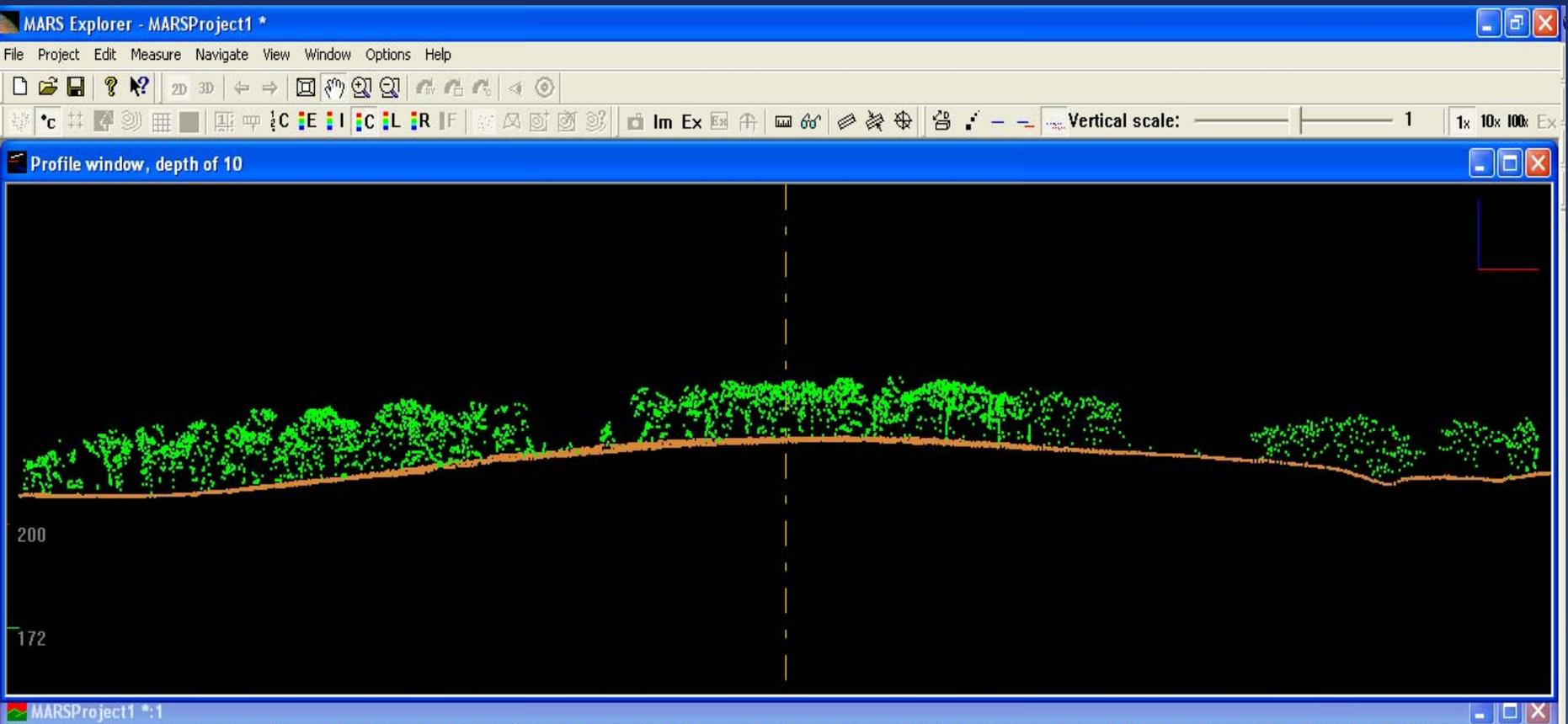
Refresh Map

### Links

- NED Documenta
- NED Data Sourc
- Seamless Store (NED)

0 697mi

## LIDAR Cross-section – colored by elevation classification bare-earth and canopy



# Soil Resource Inventory Toolbox NCGC SRITB Support

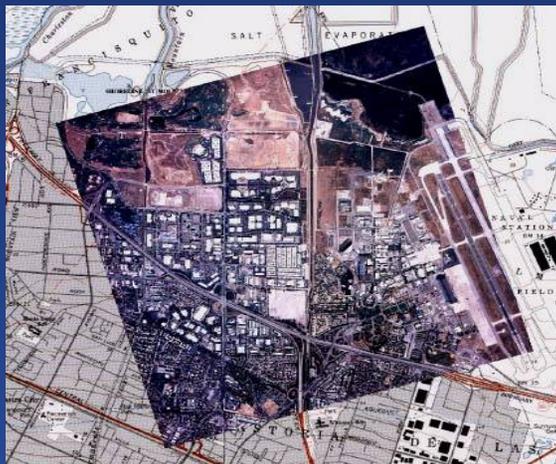
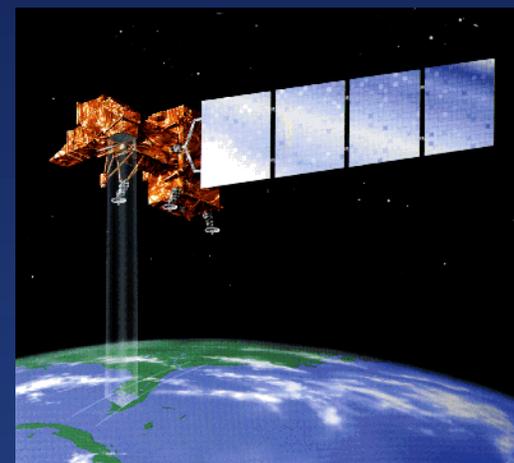
- Data Editing/Vector Analysis
- Data Acquisition and Integration
- Data Analysis (landscape predictive models)
- Check Out/Check In
- National Soil Geospatial Database
- Point Data Collection

# NCGC Remote Sensing Responsibilities



Photo Acquisition for  
NRI, Soil, and WRP

Satellite Data Acquisition  
and Processing



DOQ Technical  
Support

## Hurricane Katrina and Rita Disaster Assistance

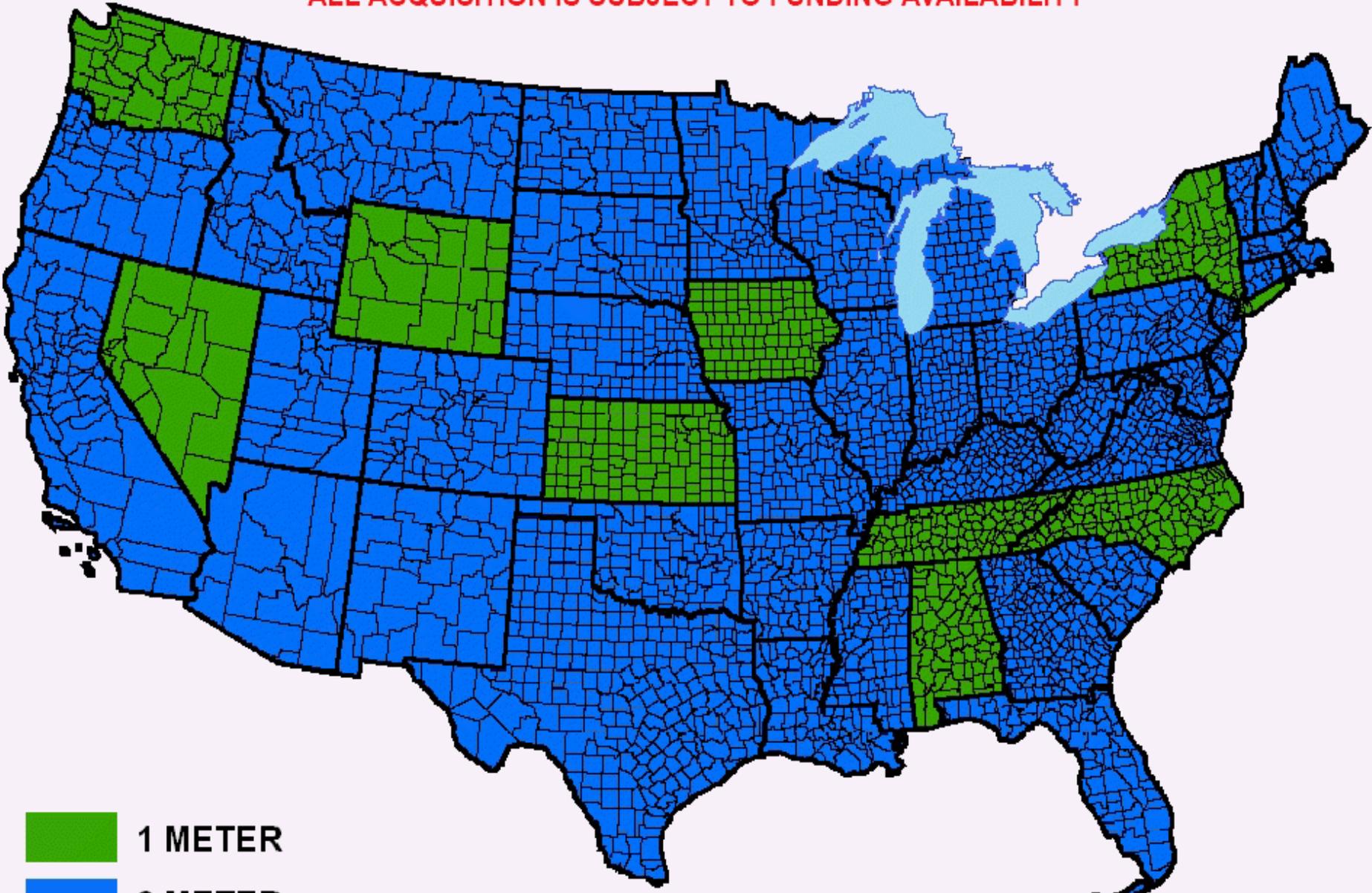
NRCS-NCGC provided  
Geospatial Data to many  
Disaster Relief Agencies  
including.

- FEMA
- USGS
- COE
- Louisiana Oil Spill  
Coordinator's Office
- Office of the Governor  
in Louisiana
- USDA



# NAIP06 PROPOSED ACQUISITION

**\*\*ALL ACQUISITION IS SUBJECT TO FUNDING AVAILABILITY\*\***





# LIDAR Demo

United States Department of Agriculture  
Natural Resources Conservation Service

