

Statewide Regional Evacuation Studies Program



**STATEWIDE
REGIONAL
EVACUATION
STUDY PROGRAM**

Project Goals

- **Study and Update Regional Hurricane Evacuation in light of new legislation (HB 1359 –SB 7121)**
- **Utilize New LIDAR data combined with updated SLOSH modeling**
- **Utilize Consistent methodology and format**
to ensure complete transparency and visibility
- **Concludes in September 2009**

Description- Phase One

- **Phase 1 provides for Demographic and Land Use Analysis, Critical Facilities Inventory, Hazards Analysis, Vulnerability, Behavioral, Shelter and Regional Evacuation Transportation Network Analyses, & GIS**
- **Will yield updated basis for plans and mitigation strategy.**

Shelter Analysis

- **Update & evaluate shelter resources**
- **Segregate risk and host shelters**
- **Re-calculate & project shelter deficits**
- **Address sheltering strategies**

Description- Phase Two

- Begins once the LIDAR topographic data and new SLOSH models are available for a region
- Includes Vulnerability Analysis consisting of the delineation of the storm tide limits and evacuation zones, identification of population-at-risk and evacuation populations, storm surge analysis of critical facilities and the evacuation transportation analysis
- Products include printed documents and digital data, including GIS products
- Will develop impact methodology, and evacuation zones impacts assessment tools

Transportation Analysis

- **Address regional and multi-regional analysis**
- **Use modeling program based on scenarios developed by emergency managers**
- **Updates clearance time estimates**
- **Calculates evacuation traffic capacities for 12, 18, 24 and 36 hour scenarios**

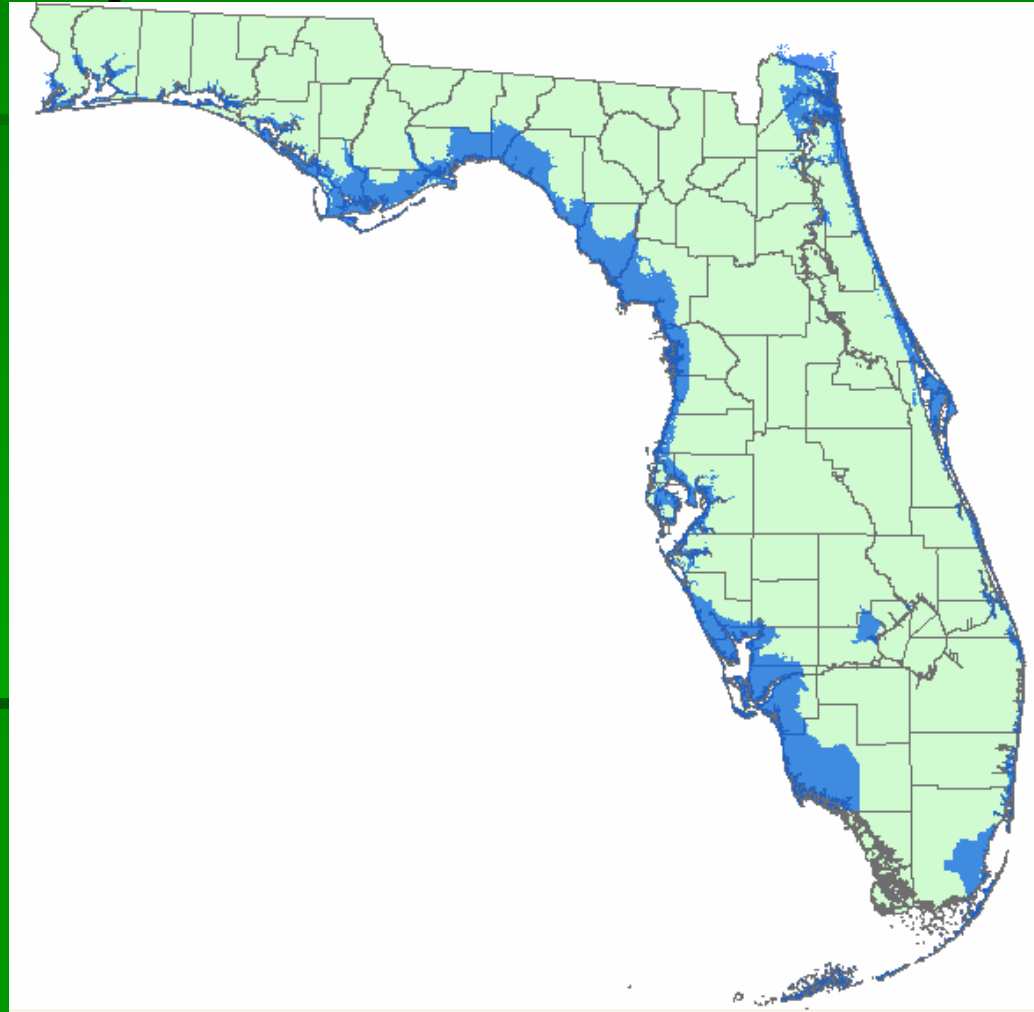


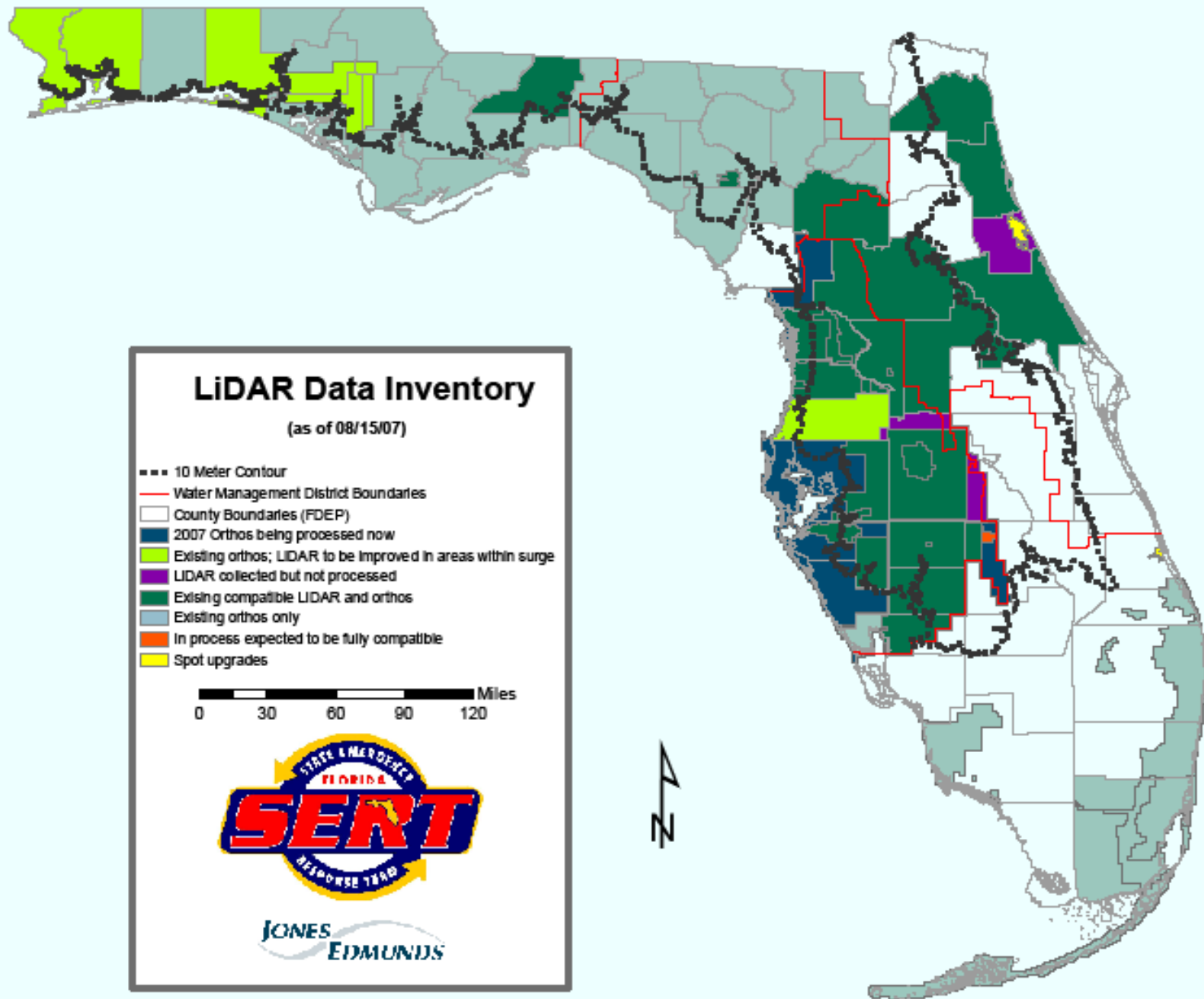
LiDAR Update

- **Baseline Specifications & Statewide Coordination**
- **Existing LiDAR Inventory**
- **Project Footprint**
- **Project Flight Priorities**
- **Project Funding Approach & Opportunities**

Project Footprint

- **Cat 5 Surge**
- **Subtract existing compatible data**
- **Add areas adjacent to Surge, with high population densities and low elevation**





LiDAR Data Inventory

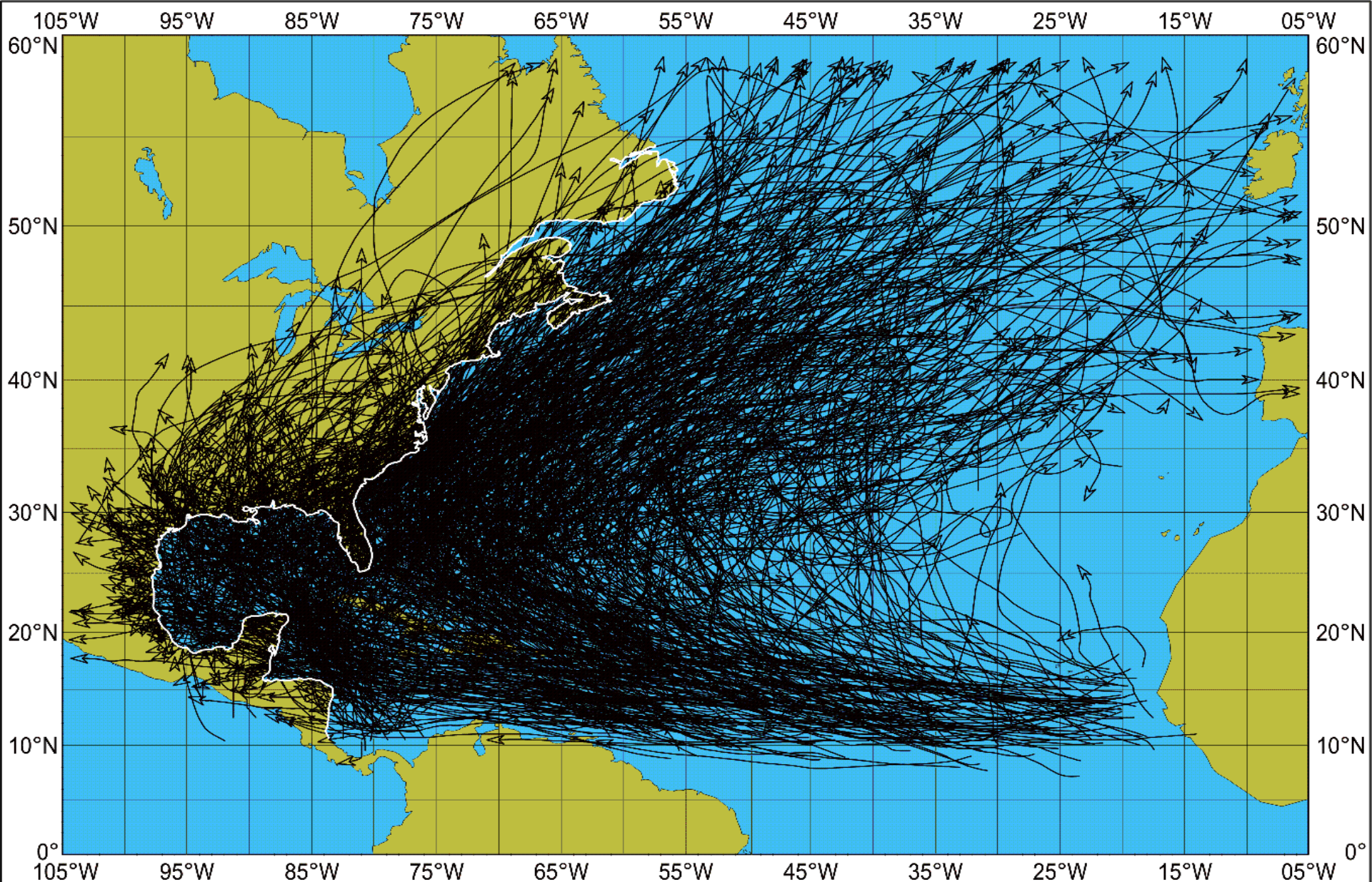
(as of 08/15/07)

- 10 Meter Contour
- Water Management District Boundaries
- County Boundaries (FDEP)
- 2007 Orthos being processed now
- Existing orthos; LiDAR to be improved in areas within surge
- LiDAR collected but not processed
- Existing compatible LiDAR and orthos
- Existing orthos only
- In process expected to be fully compatible
- Spot upgrades

0 30 60 90 120 Miles



JONES
EDMUNDS



NORTH ATLANTIC TROPICAL STORMS AND HURRICANES, 1851-2004 (1325 STORMS)
NOAA

Floridadisaster.org