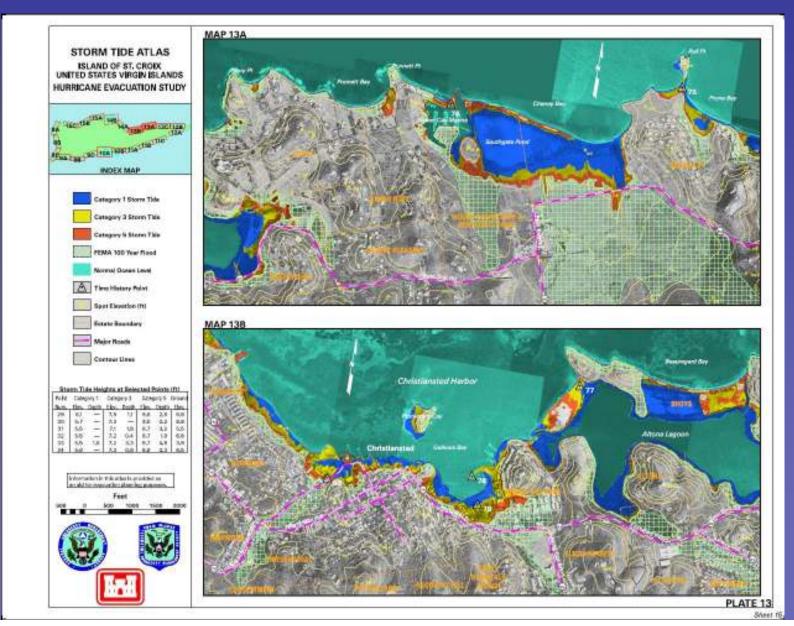
# Hurricane Evacuation Study Products from the U.S. Army Corps of Engineers

Candida Bronson
Jacksonville District
June 2006

# Hurricane Evacuation Studies

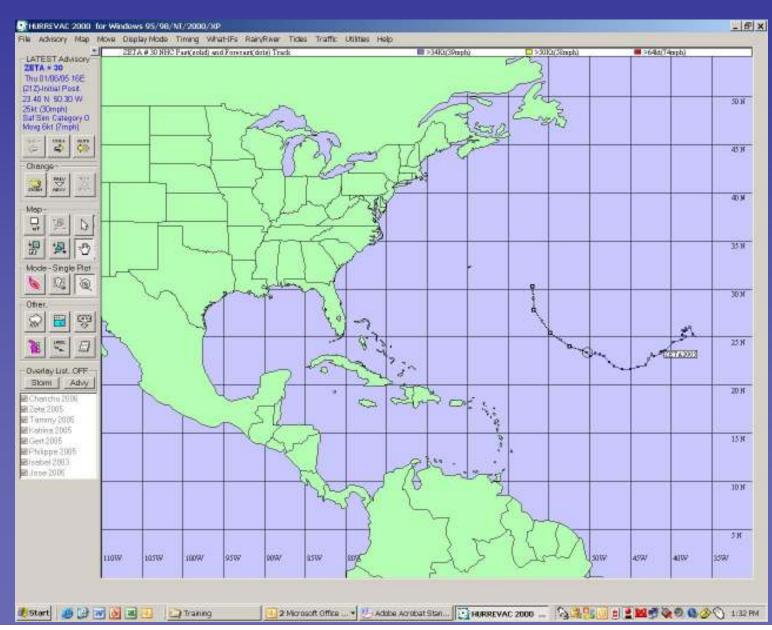
- Hazards Hurricane or Tsunami
- Vulnerability Flood zones
- Behavior Likelihood to evacuate
- Shelters Public or on-their-own
- Transportation
- Coordination

# Hurricane Evacuation Studies Storm Tide Atlas

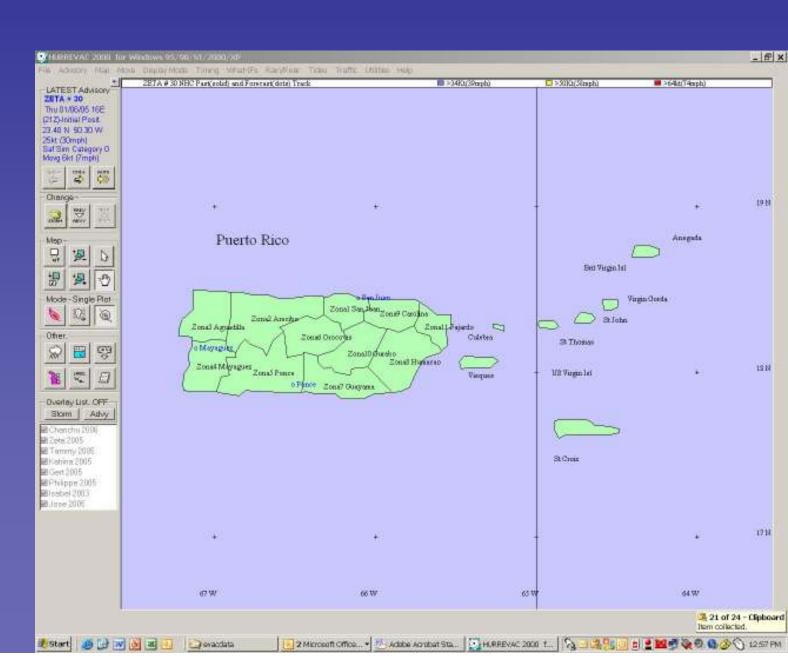


# Hurrevac Overview

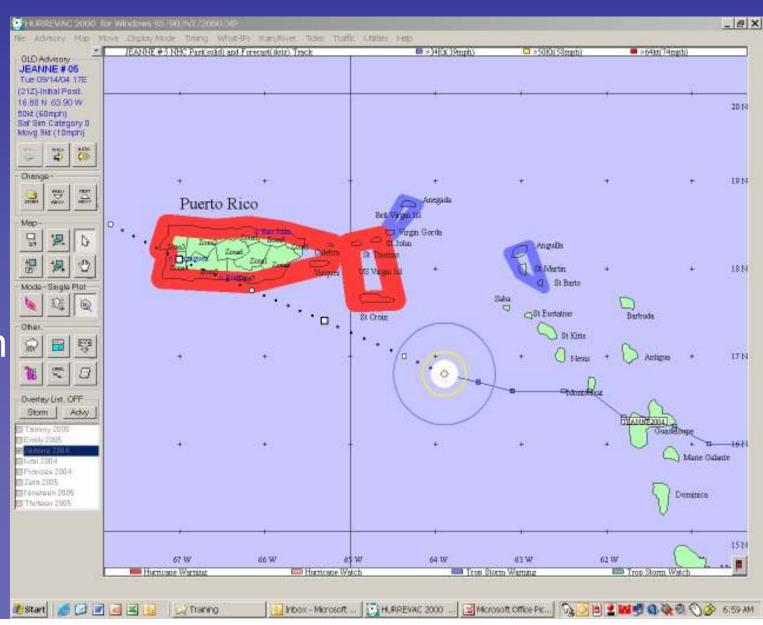
- Base Map
- Windows driven
- Menus and buttons



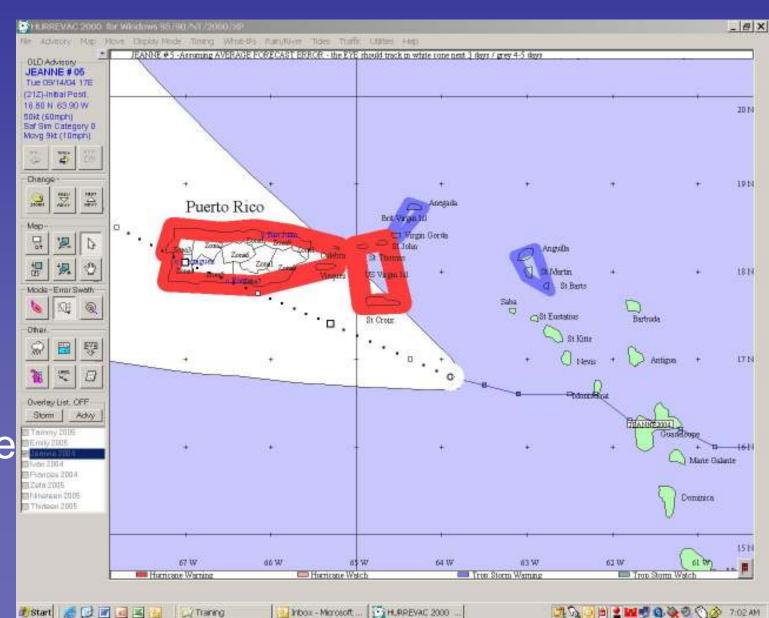
U.S.TerritorialIslands



- Hurricane warnings
- Forecasted track
- Wind swath

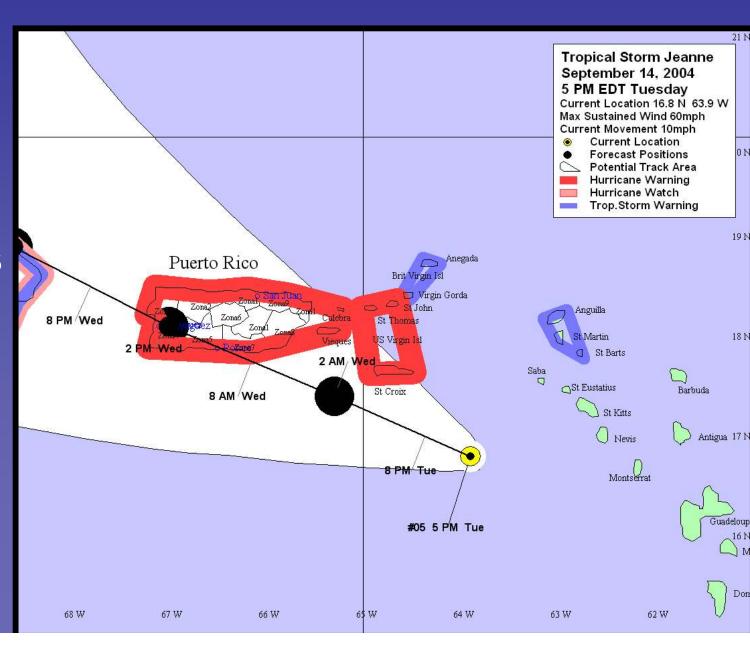


- Hurricane warnings
- Forecasted track with cone of error
- Shows zone of potential landfall

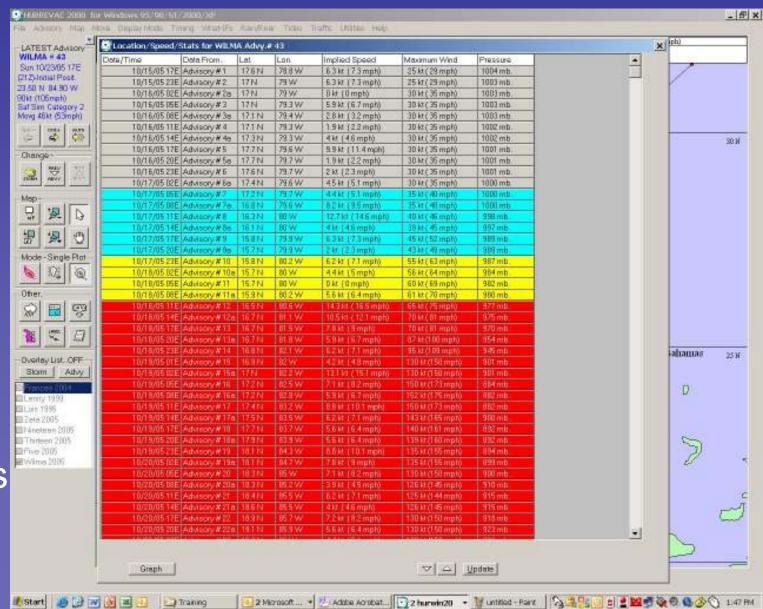


Graphics

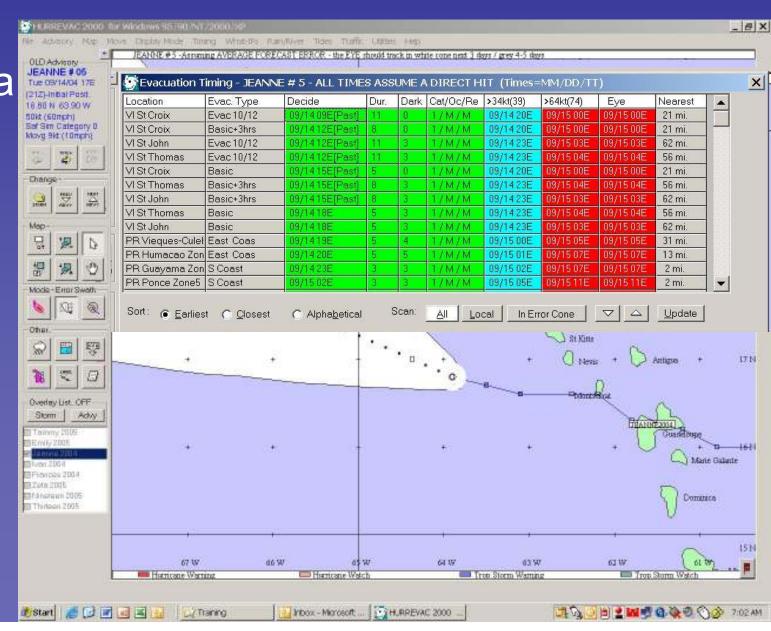
 Package for
 reports or
 presentations



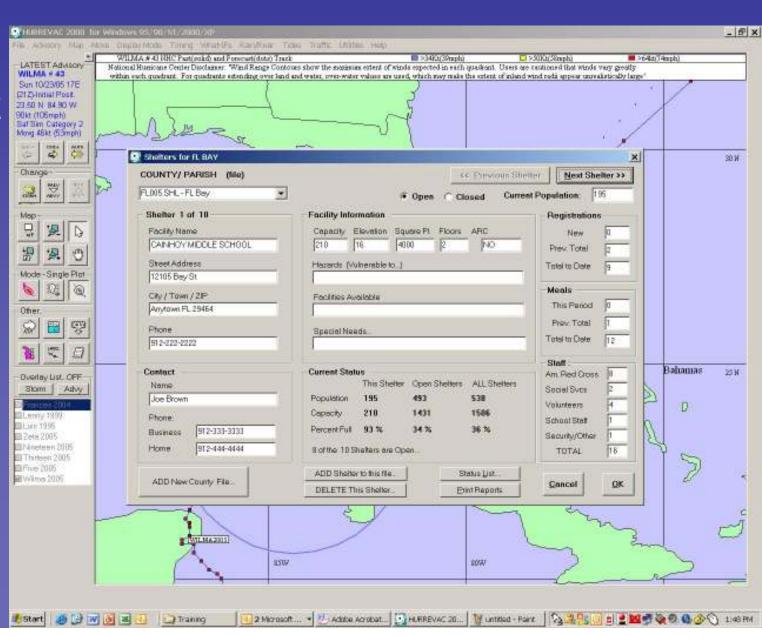
- TabularData
- For each advisory
  - >position
  - >forward speed
  - >max winds
  - >pressure



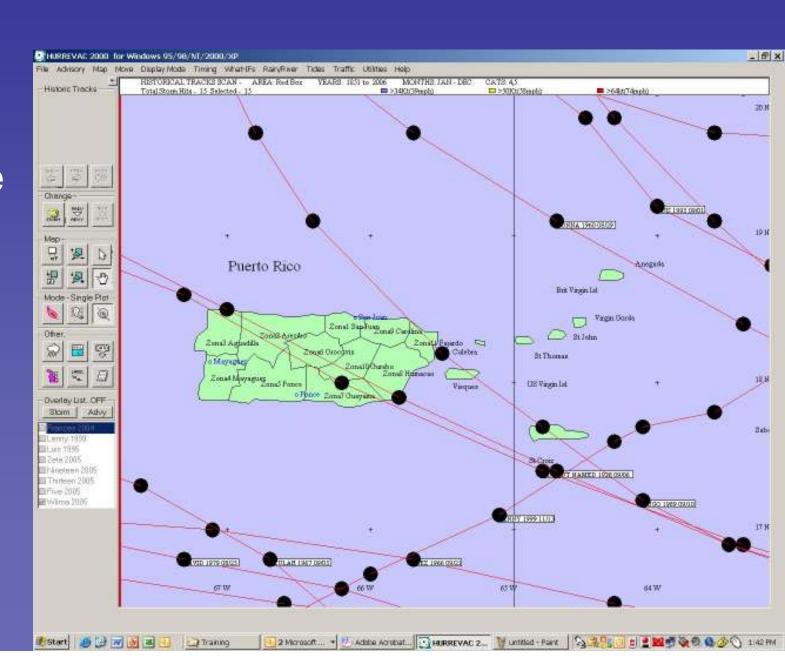
- Tabular Data
- Evacuation timing by area
- Shows
   distance to
   track and
   hour as the
   storm
   approaches



Shelter Input Fields

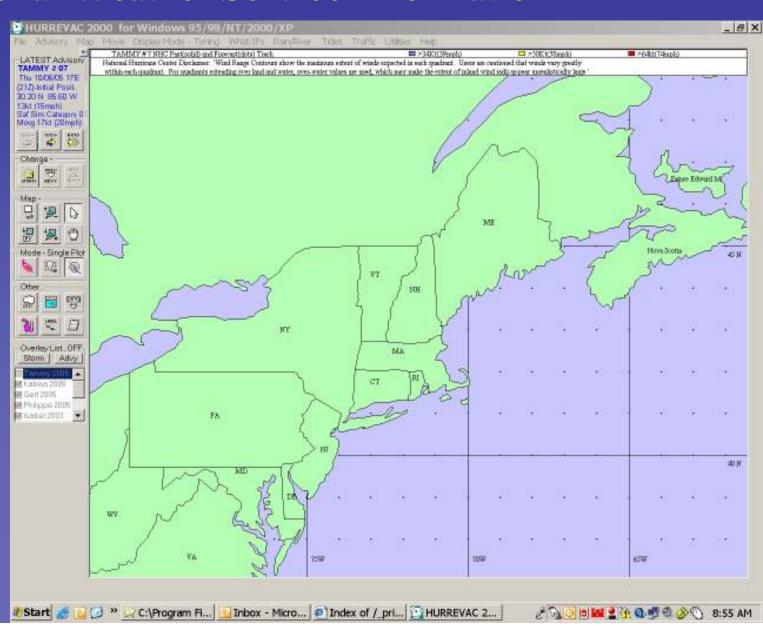


Historical Hurricane Queries

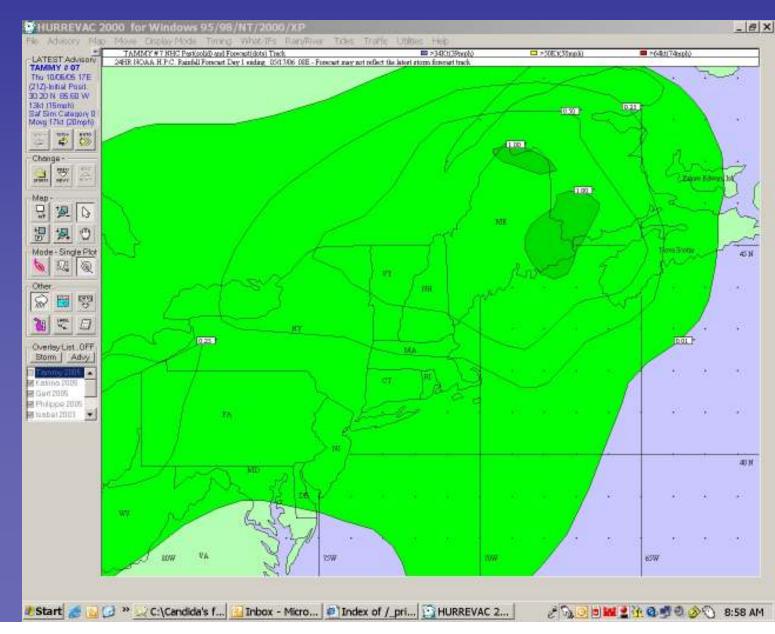


#### National Weather Service Information

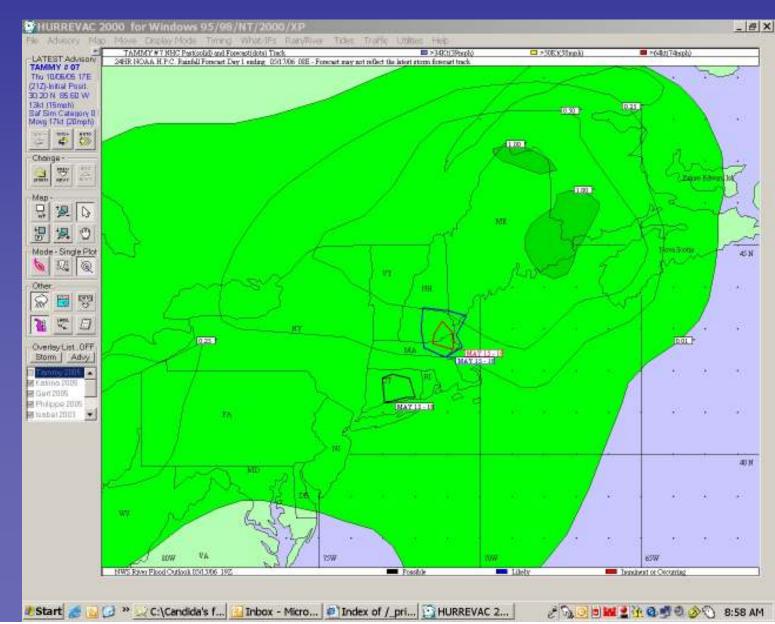
NewEnglandMay2006



- NewEnglandMay2006
- Turn on rain forecast

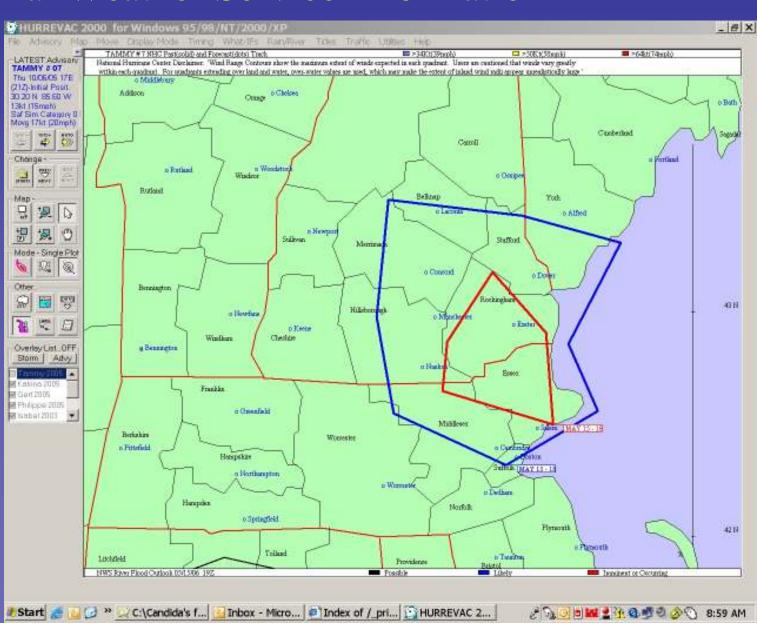


- New EnglandMay 2006
- Turn on rain forecast
- Turn on flood forecast

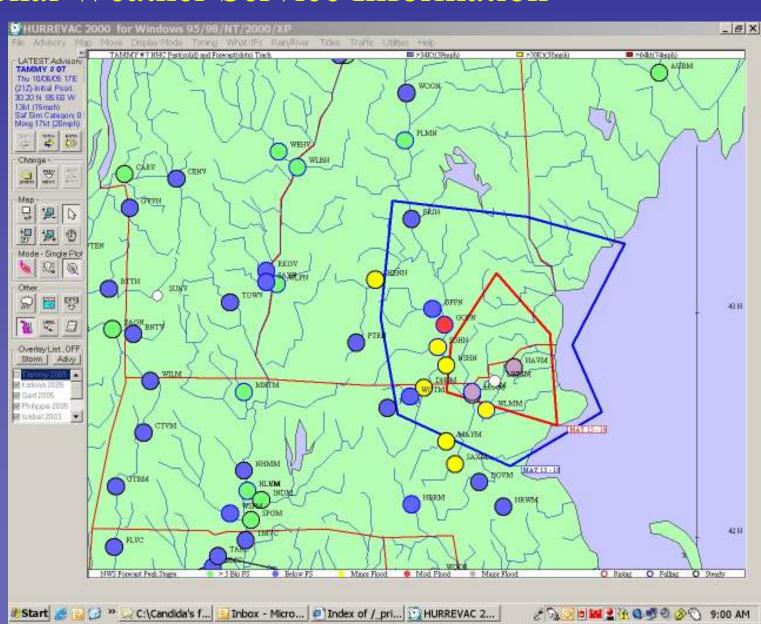


#### National Weather Service Information

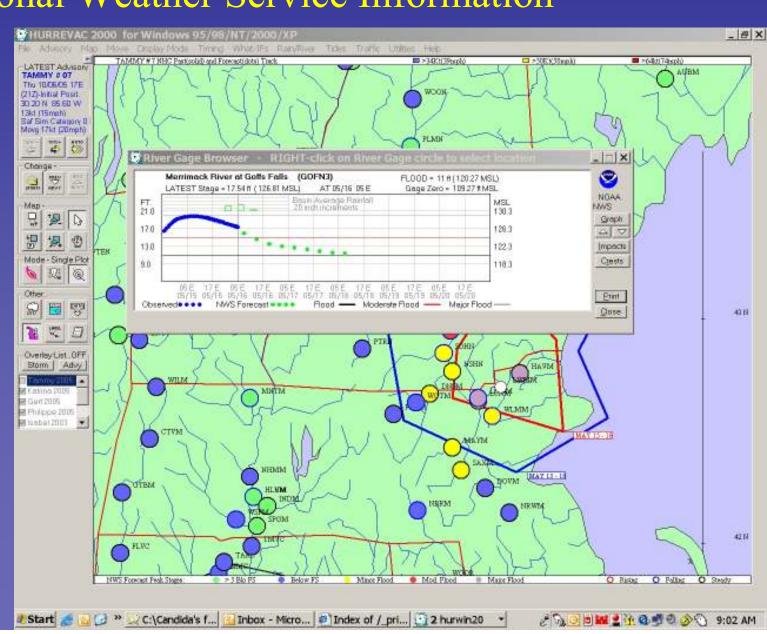
 Zoom in on flood area



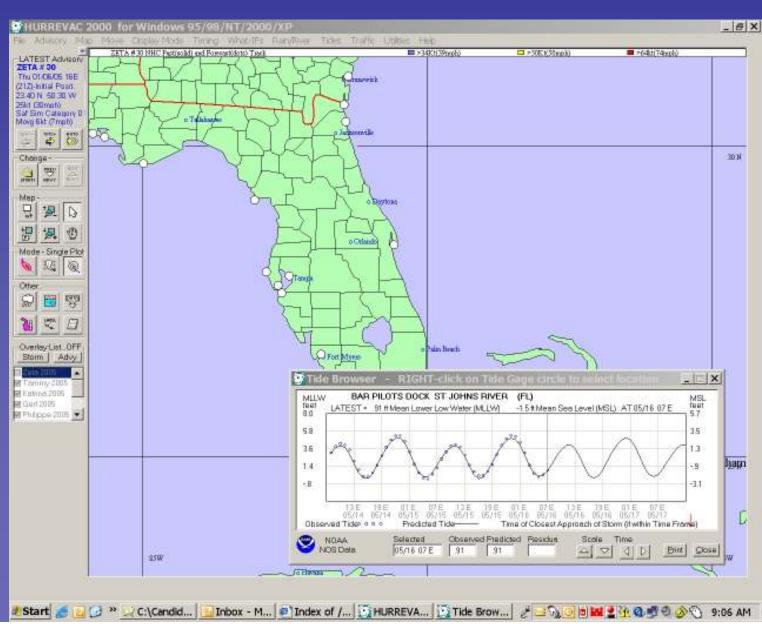
- Zoom in on flood area
- Turn on river gages



- Zoom in on flood area
- Turn on river gages
- View river stage graph



- NOAATideGages
- Right
   now just
   mainland
   U.S.



# Hurrevac and GIS

Export to shapefile

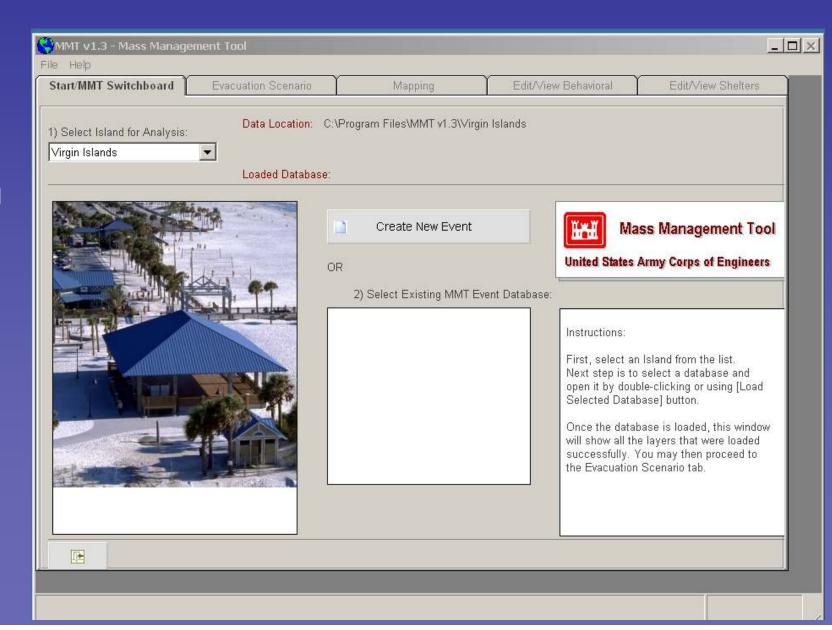
#### Hurrevac Information

- Available to U.S. Government Agencies
- Handout
- www.hurrevac.com

# Mass Management Tool Overview

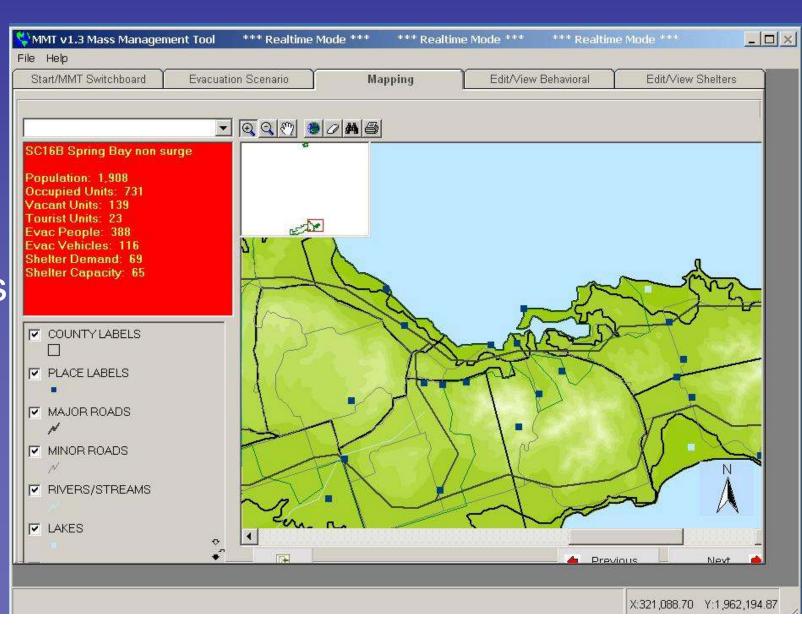
# Mass Management Tool

- OpeningView
- Pulls from a master database
- Allows scenarios



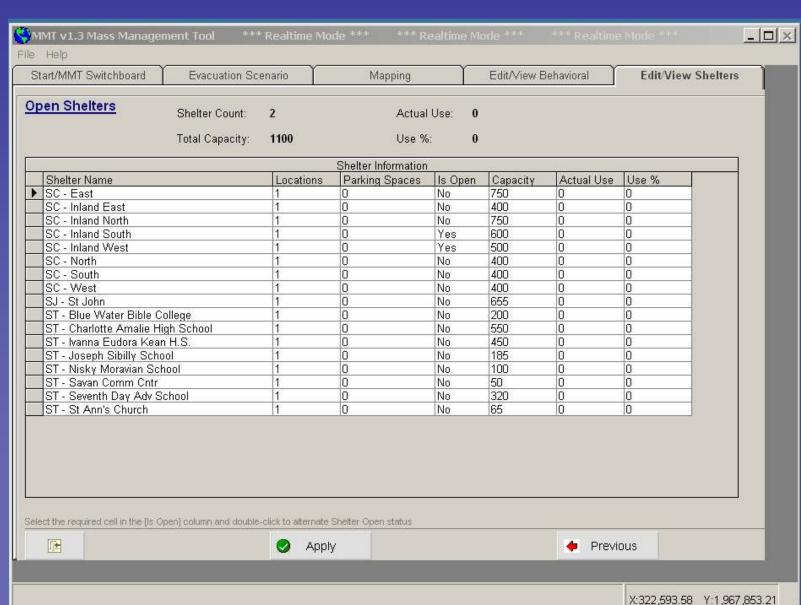
# Mass Management Tool

- Map View
- Scroll over coastal regions to see Census data and status



# Mass Management Tool

- ShelterView
- Open and close shelters
- Then return to map to see effects



# Mass Management System Overview

# Mass Management System

- Conceptual Design for a new System
- Tie together several programs
  - > Storm Tide Atlas
  - > Hurrevac
  - Mass Management Tool
  - > ETIS
  - > ARMOR
- Planning into the Future

