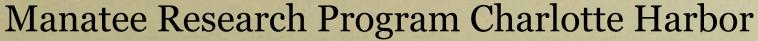
Florida Fish and Wildlife Conservation Commission







Today's Topics

- Introduction
- Myakka River Manatee Mortality
- Myakka River Manatee Use
- Research and Monitoring
- Charlotte county Manatee
 Management Plan
- Questions?



Charlotte Harbor Field Lab (SWFL)





Denise Boyd, Kati Therriault, Katelin Stoltz, intern Matthew Schubart

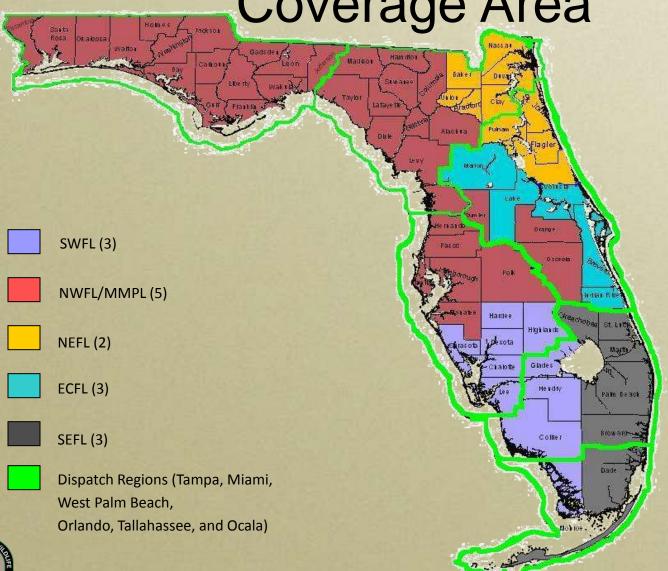
Charlotte Harbor: Manatee Research in Your Area

- Carcass Salvage & Necropsy
- Rescue & Release
- Photo ID
- Tracking

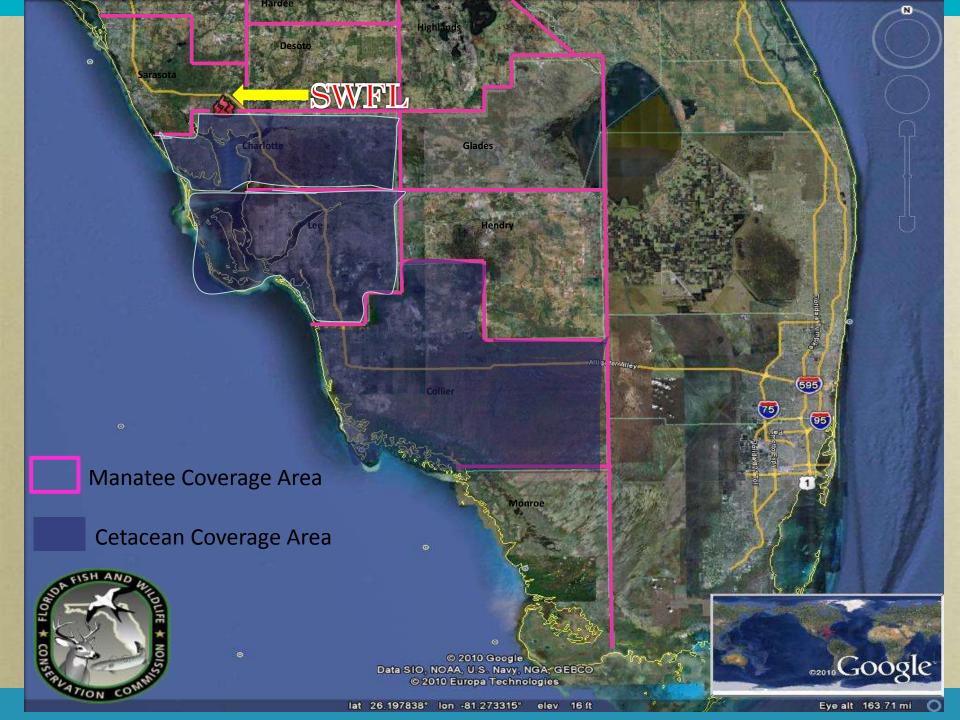




FWC Manatee Response Coverage Area



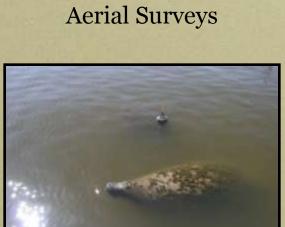




A Day in the Life...



A View From Above Aerial Surveys



Tagging & Tracking



Photo Identification



Outreach



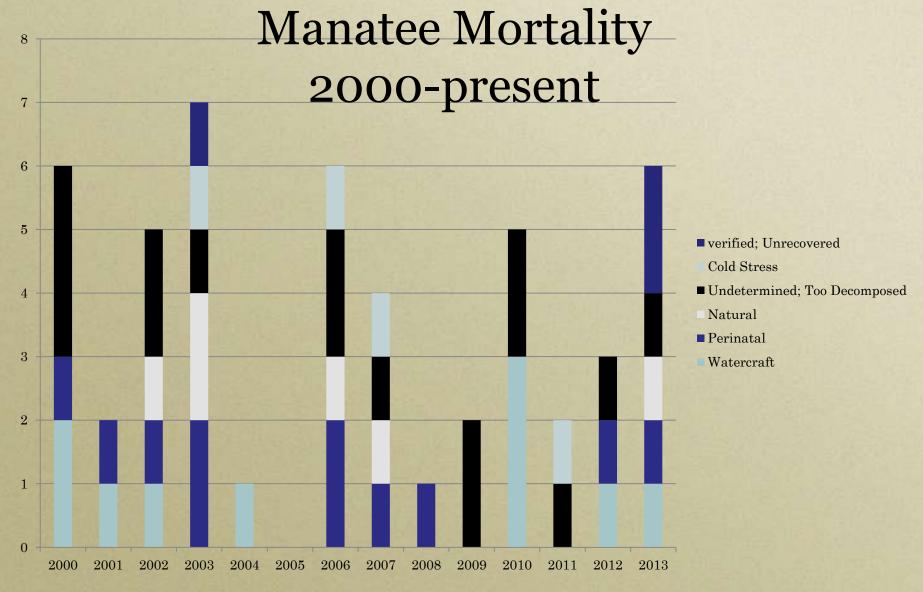
Manatee Captures



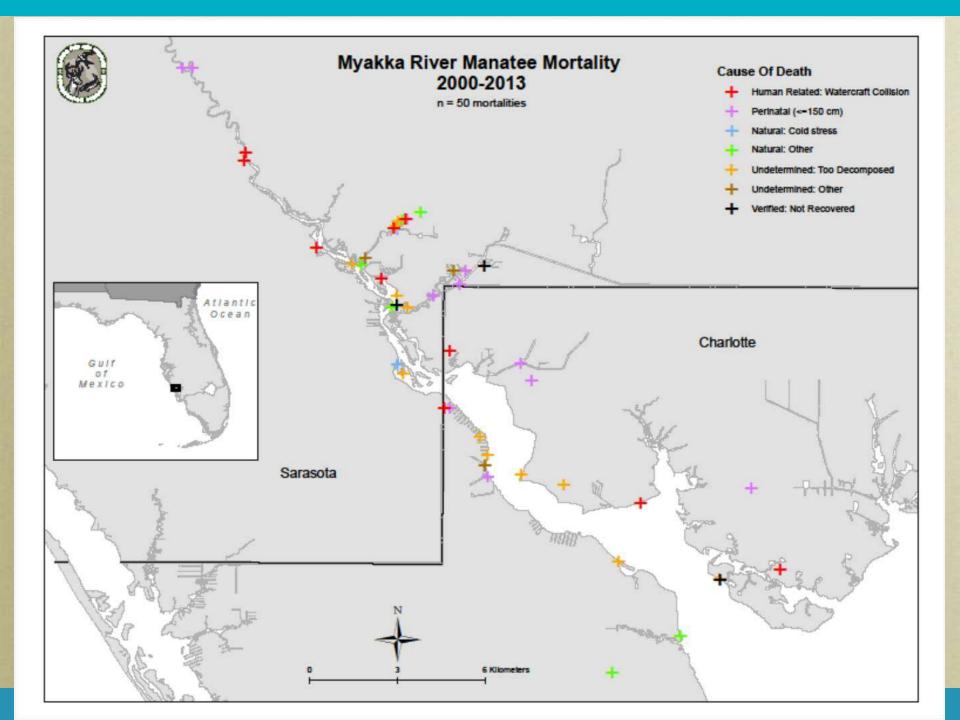
MMPL Wet Lab

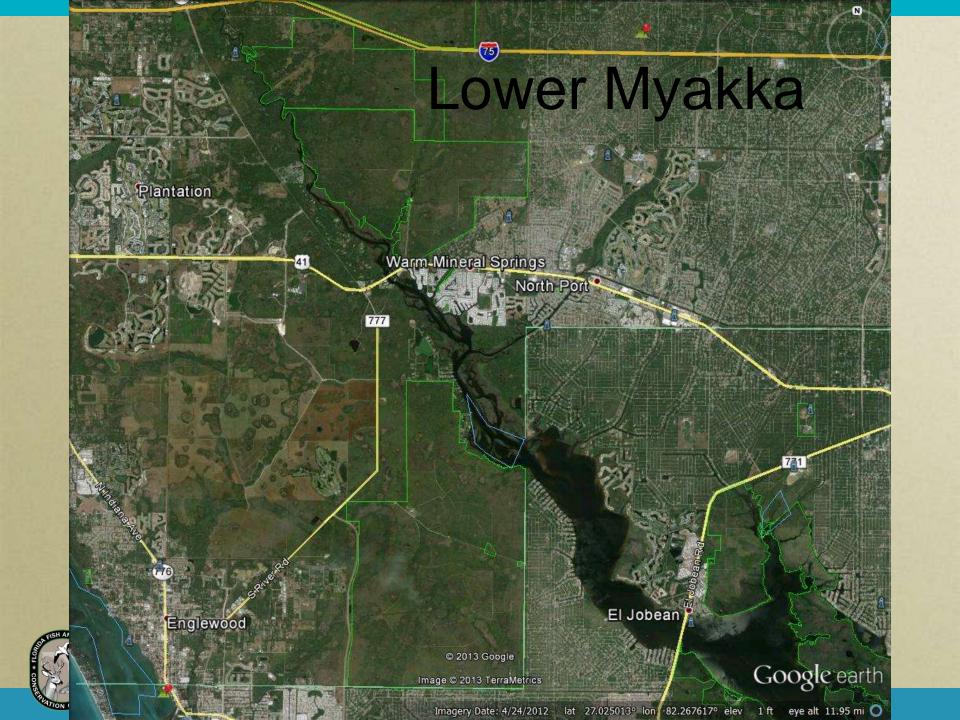


Field Necropsy

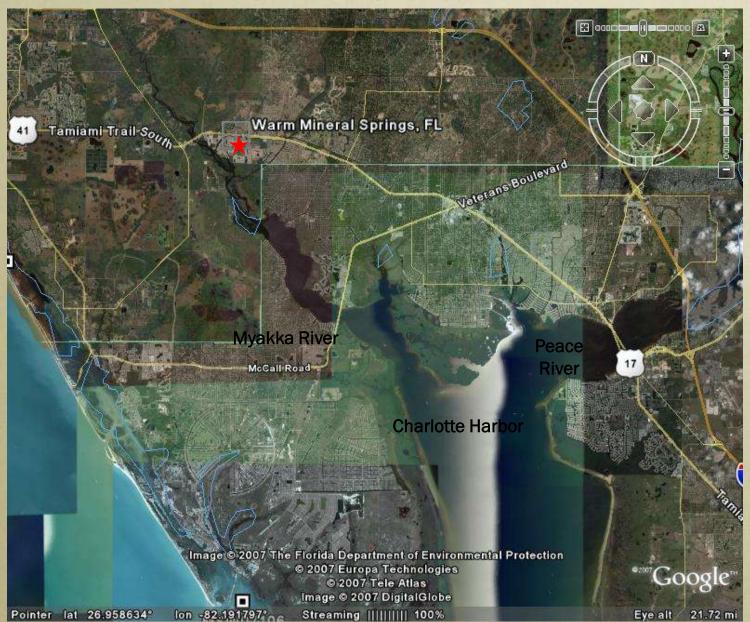








Salt Creek









Monitoring Efforts

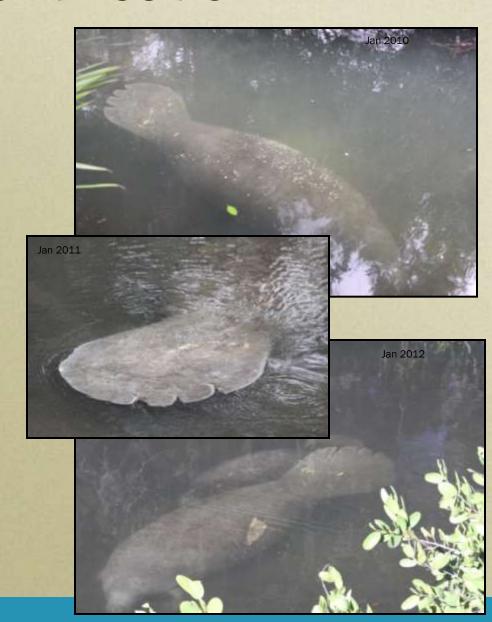
- Documented since early 90s
- Natural warm water refuge
- 50-70 Manatees
- Strong site fidelity
- Photo ID, Telemetry
 & Temperature
 Monitoring





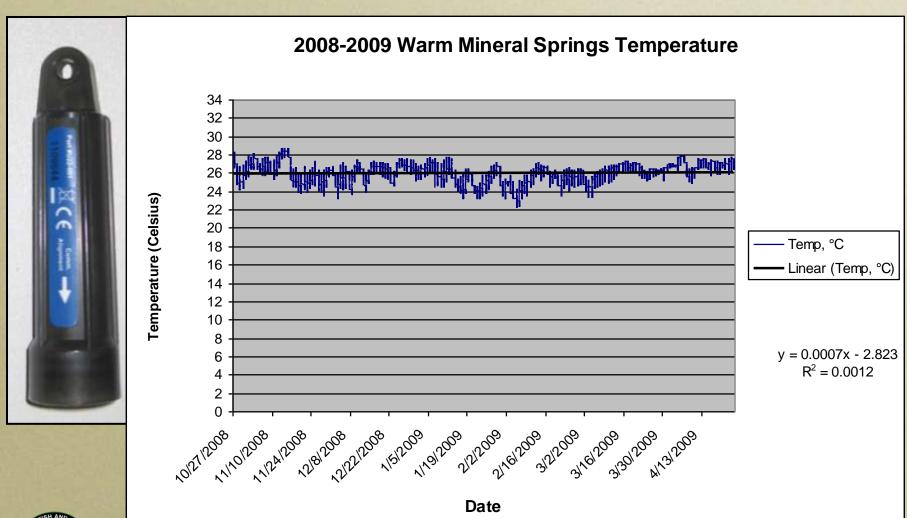
Photo-Identification

- Uses unique pattern of scars and mutilations on a manatee to identify an individual animal over time.
- Provides insight into manatee movements, site fidelity, habitat use, behavior, intra/inter specific associations, reproductive parameters
- Ultimately helps estimate annual adult survival rates and model population dynamics for state and federal assessments of Florida manatee status and recovery.





Temperature Monitoring





Accessibility to WMS

Similar Tidal States at the Rt 41 bridge looking West





Water Level During Cold Front

Water Level 2-3 days Later

Even without a cold front, tidal extremes determine accessibility What are the actual effects of any other changes to the system?



Charlotte Harbor: Tracking Manatee Habitat Use





Whittaker: A naïve animal tracking study.

Charlotte Harbor: Tracking Manatee Habitat Use





Charlotte Harbor: Tracking Manatee Habitat Use

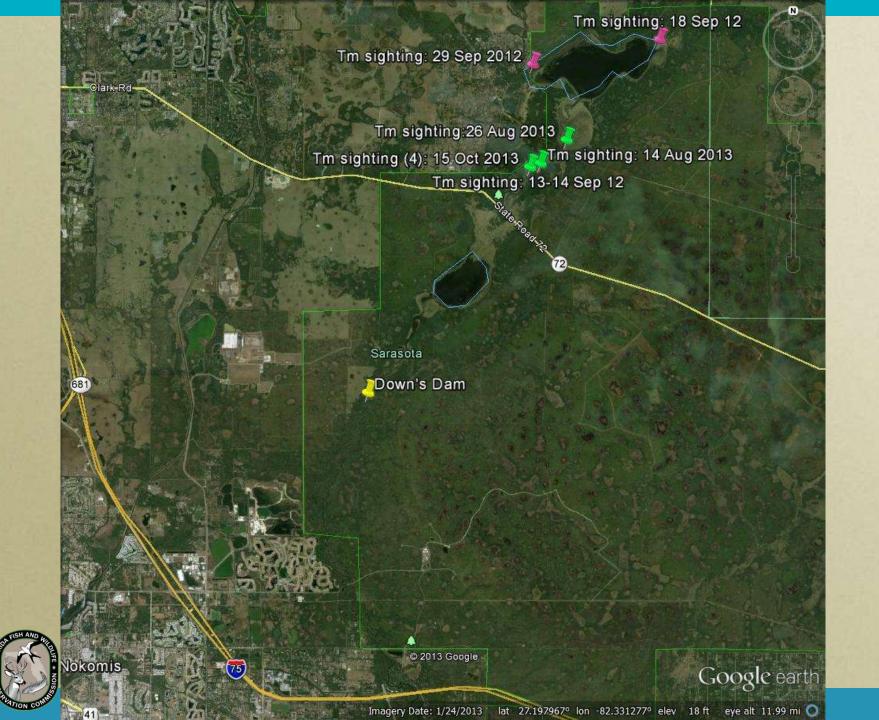
- Over wintering patterns & strategies
- Fresh water drinking sites
- Foraging sites
- Travel patterns





www.wildtracks.org





2013 Sighting at Powerlines





How YOU Can Help

Report Sick/Injured/Dead/ Tagged
Marine Mammals to FWC Wildlife Alert
Hotline:

1-888-404-3922

Be Prepared to Provide:

- •Name
- •Phone # where you can be reached
- Location Description
- Description of Incident







For additional information, visit My FWC.com

