Ecological Conditions Update

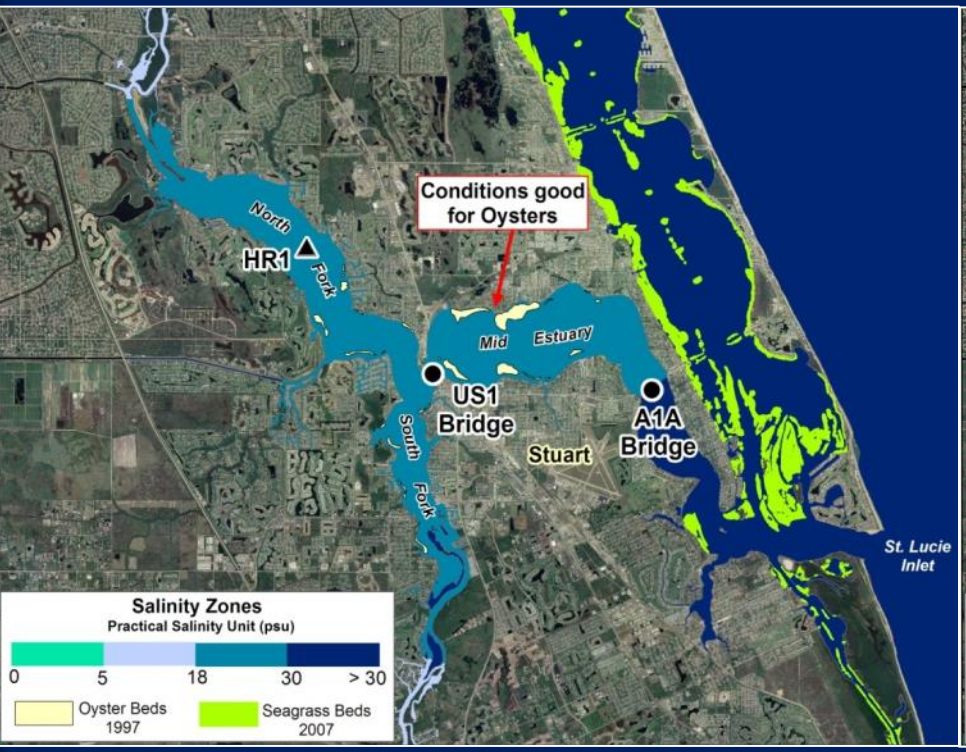
Terrie Bates
Director, Water Resources Division

Governing Board Meeting
June 13, 2013

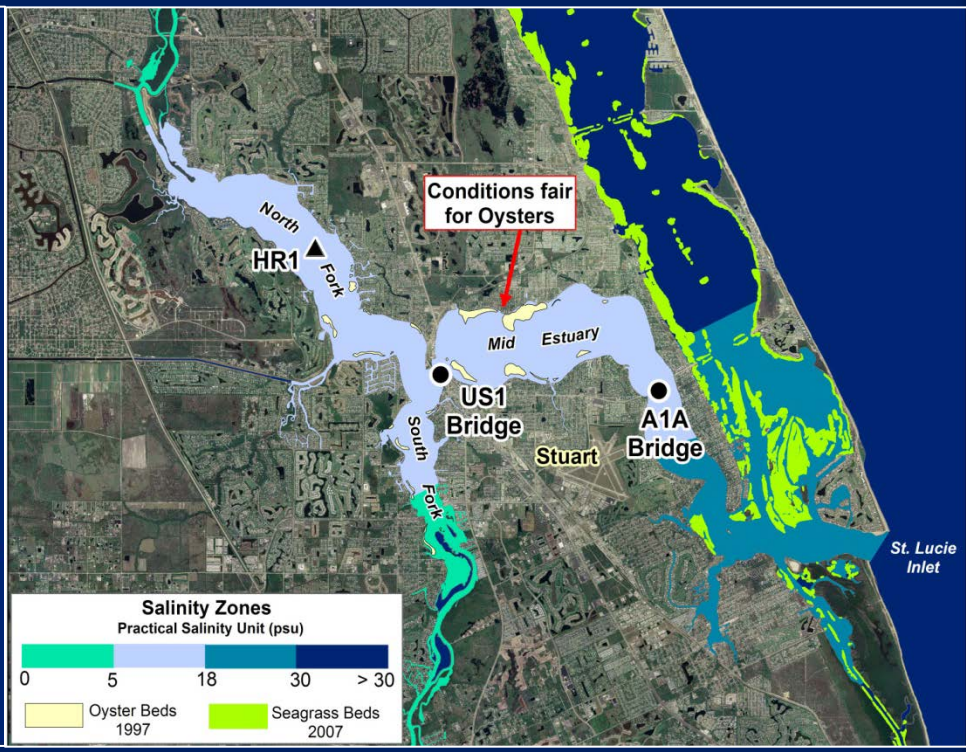
St. Lucie Estuary

Salinity Conditions

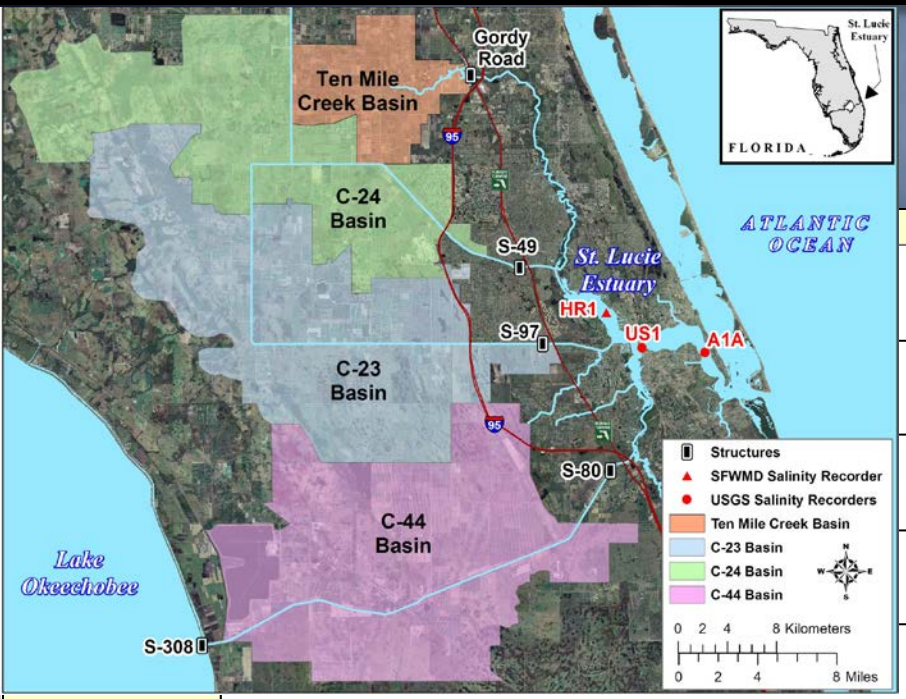
May 6, 2013

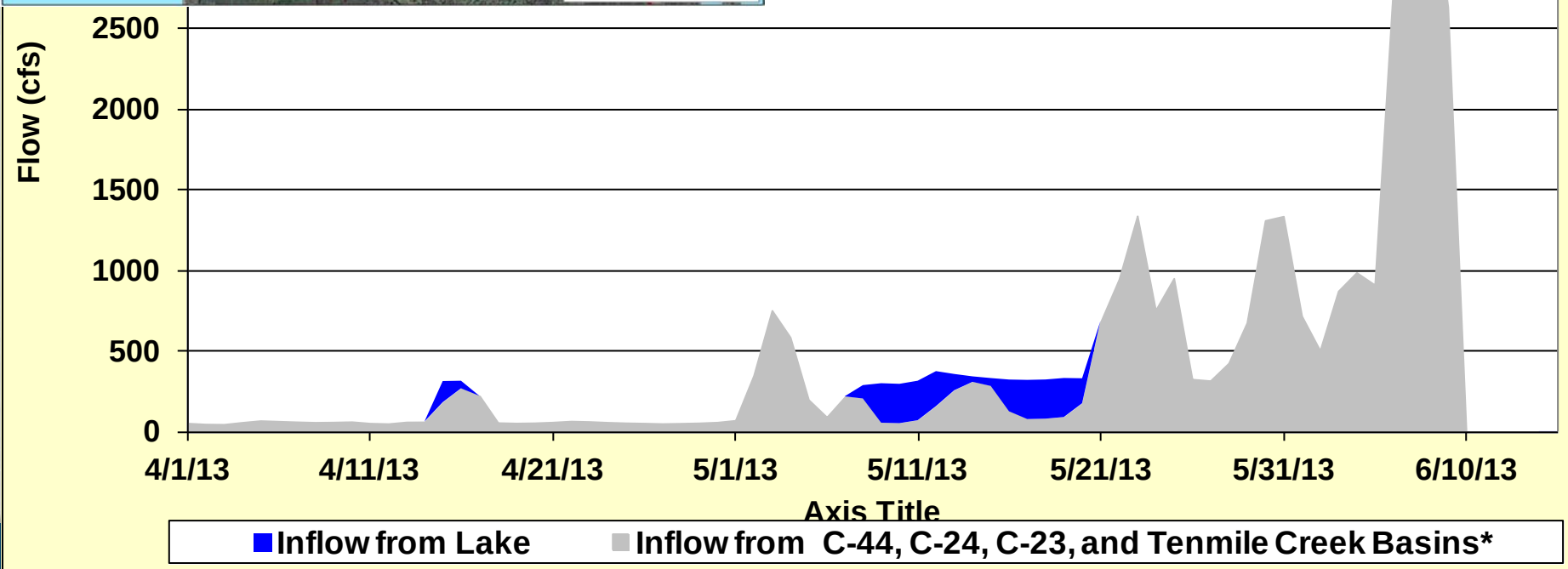


June 9, 2013



St. Lucie Estuary

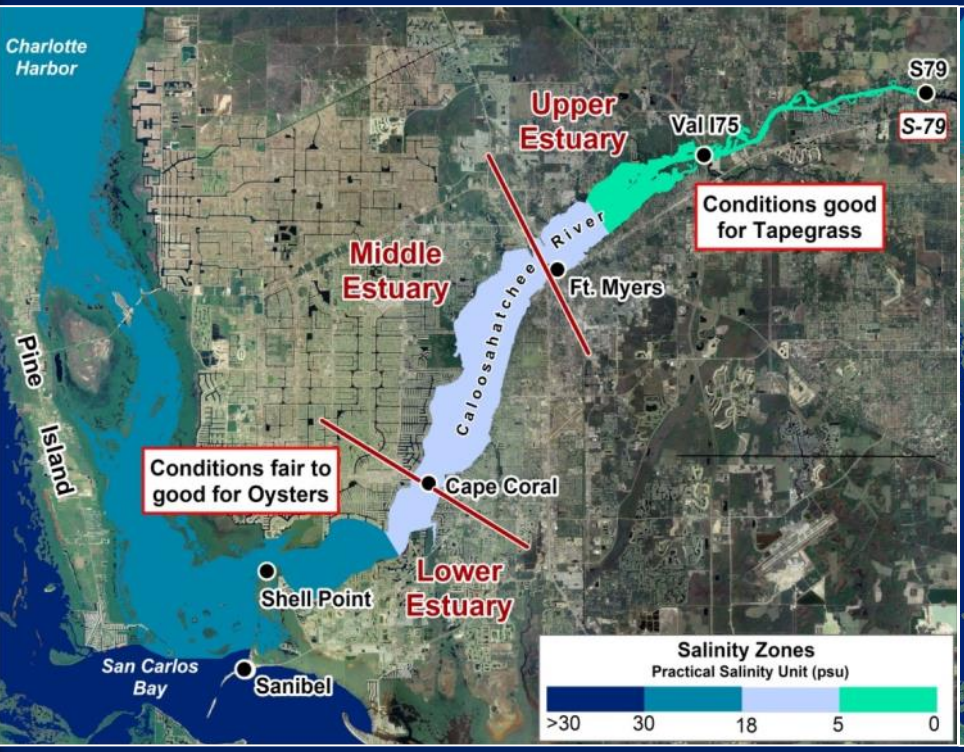




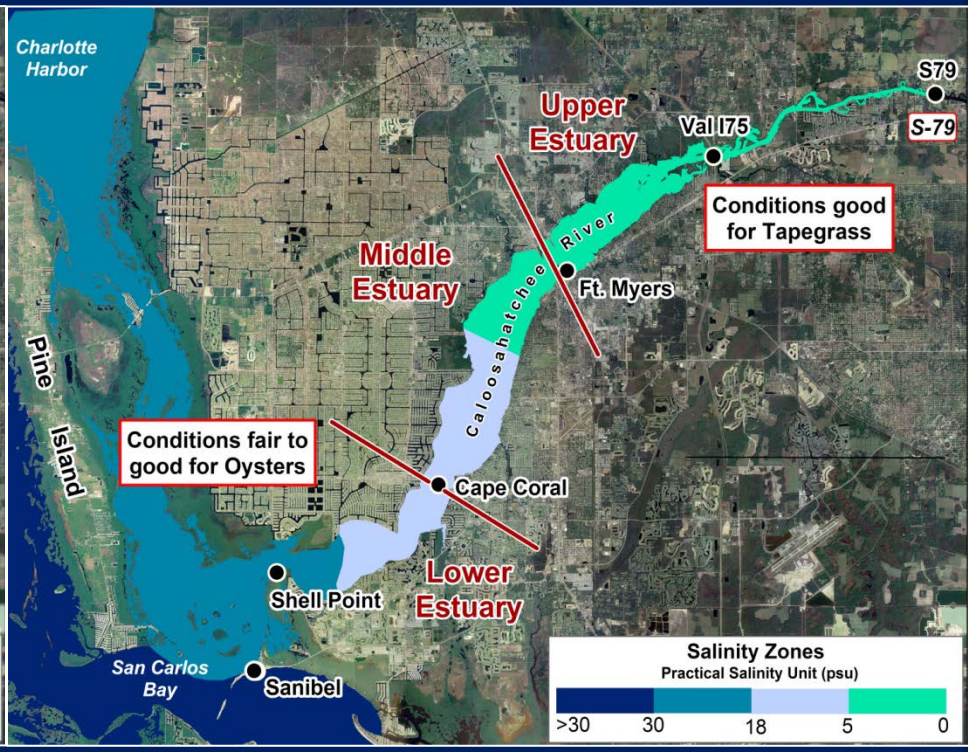
Caloosahatchee Estuary

Salinity Conditions

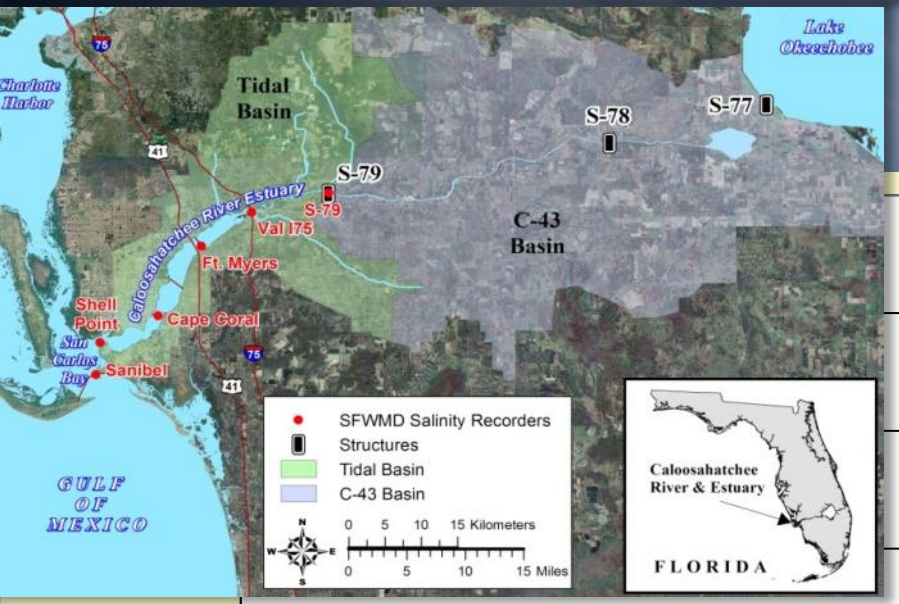
May 6, 2013

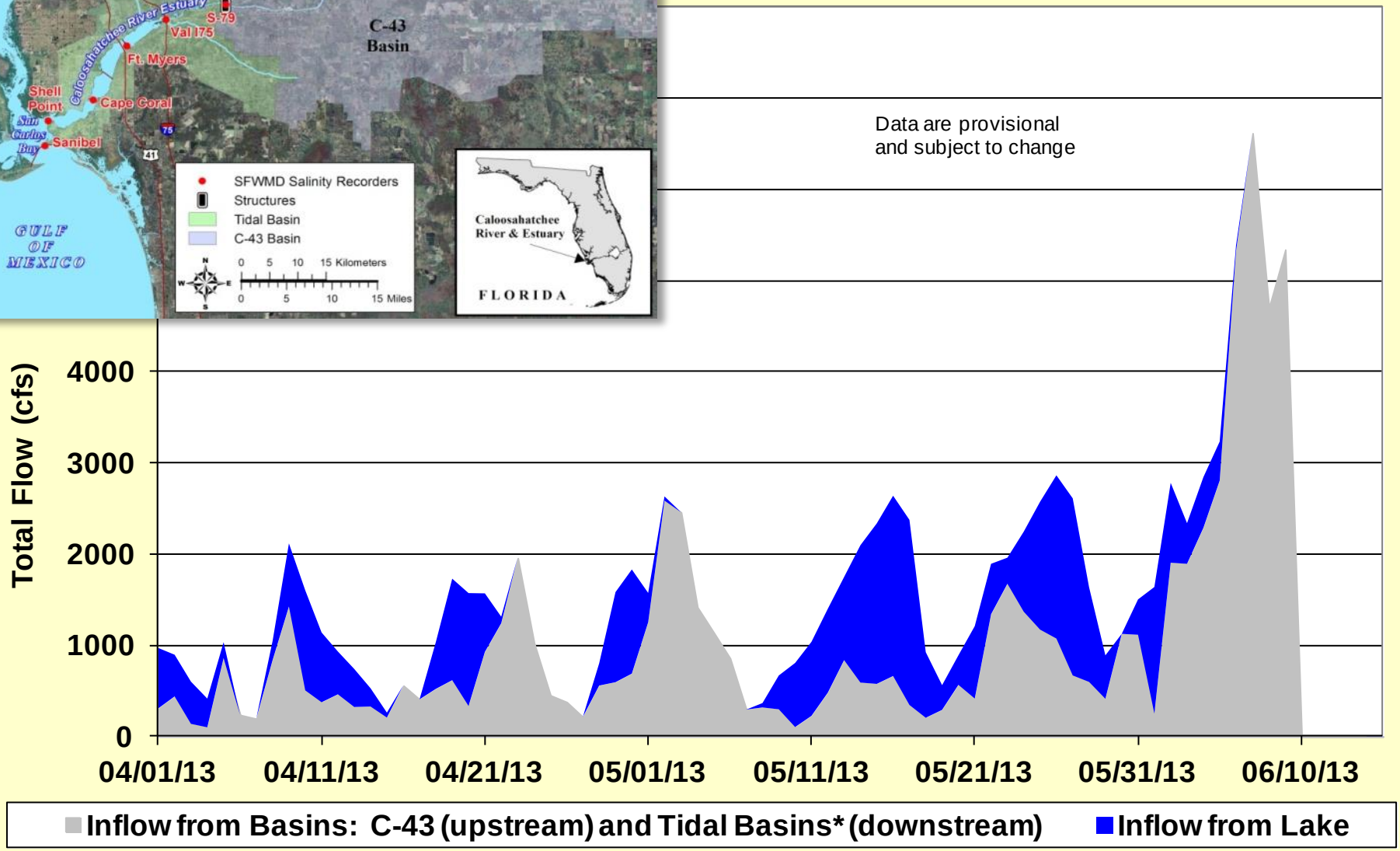


June 9, 2013

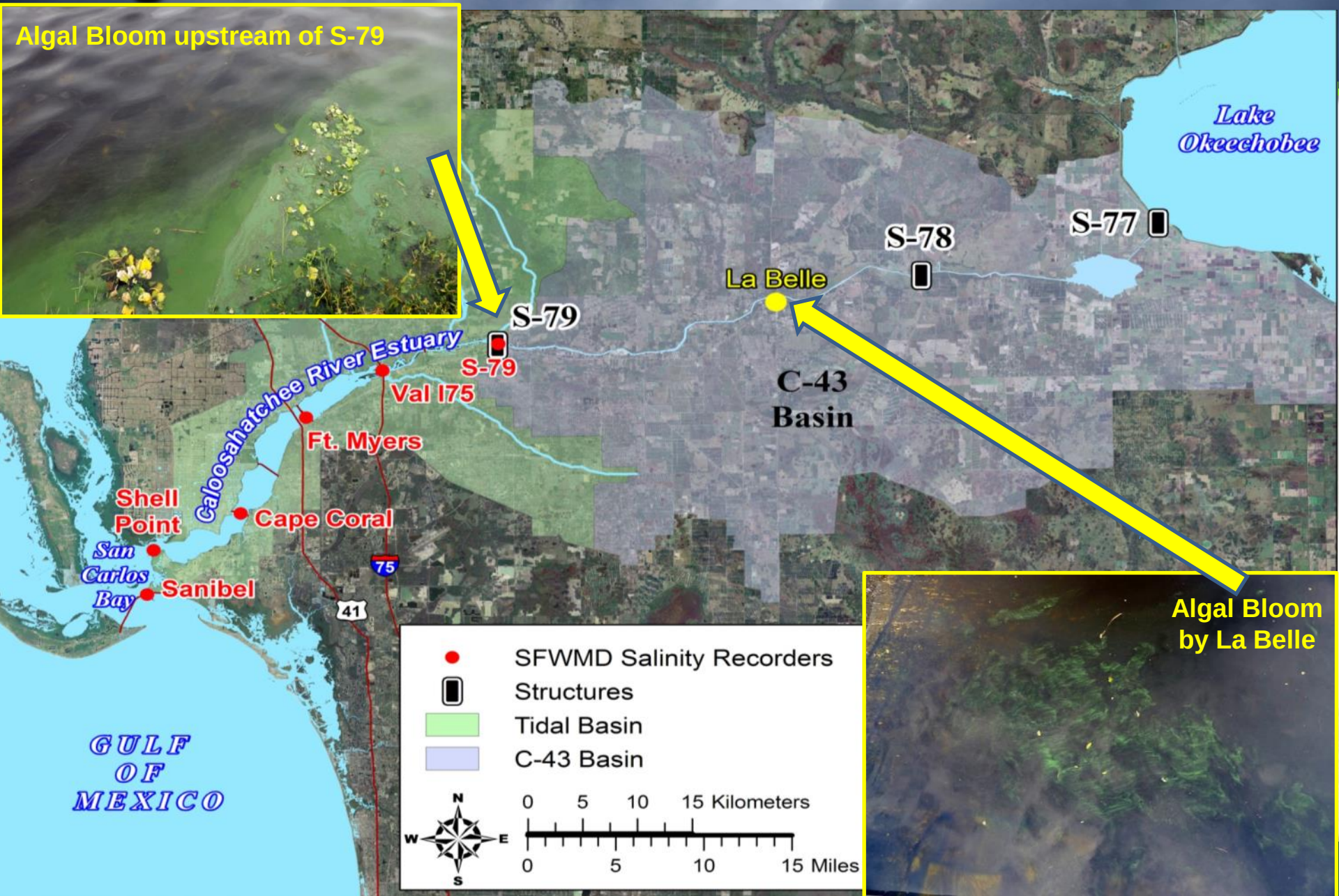


Caloosahatchee Estuary

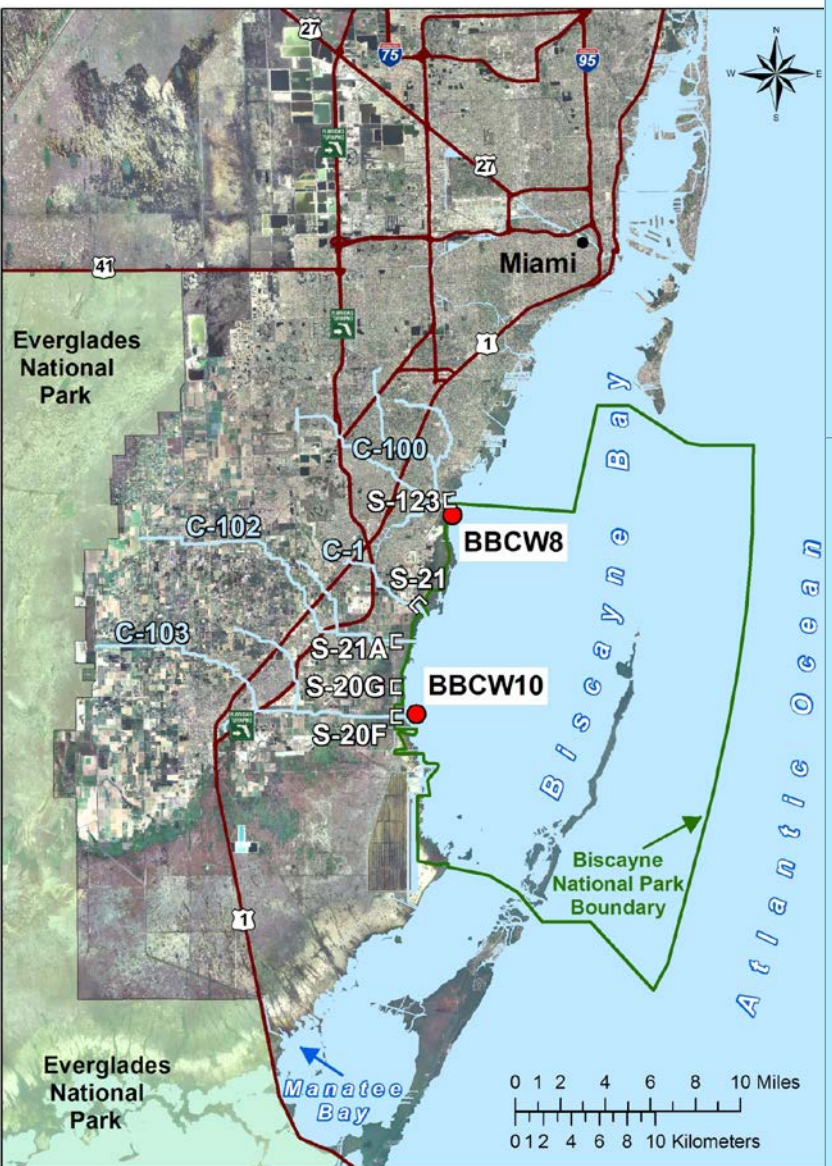


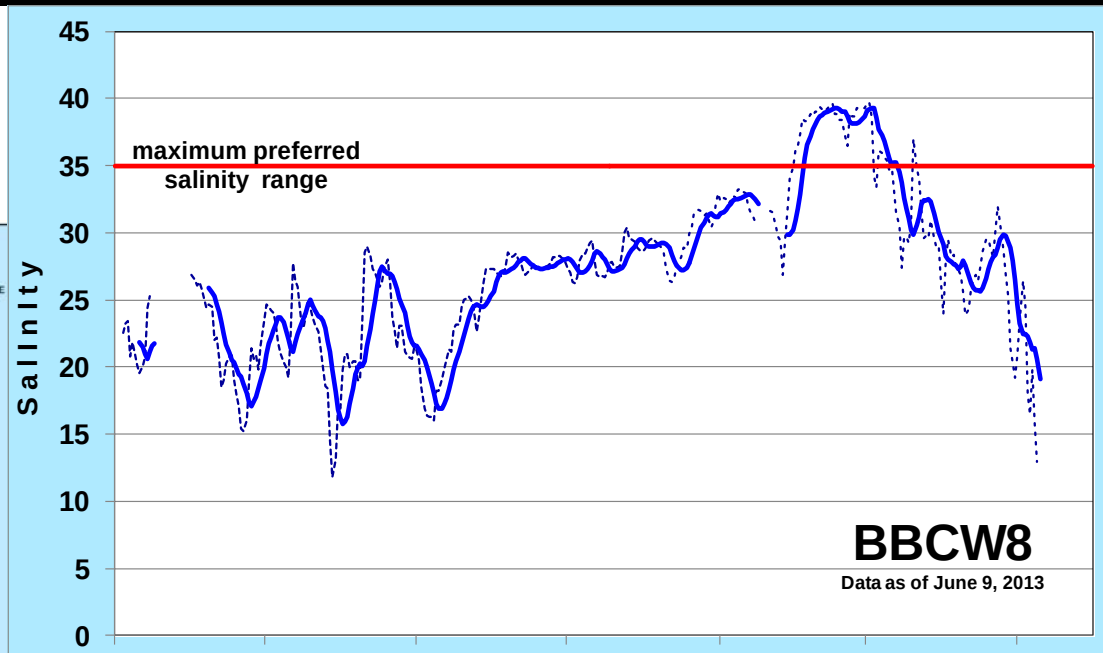


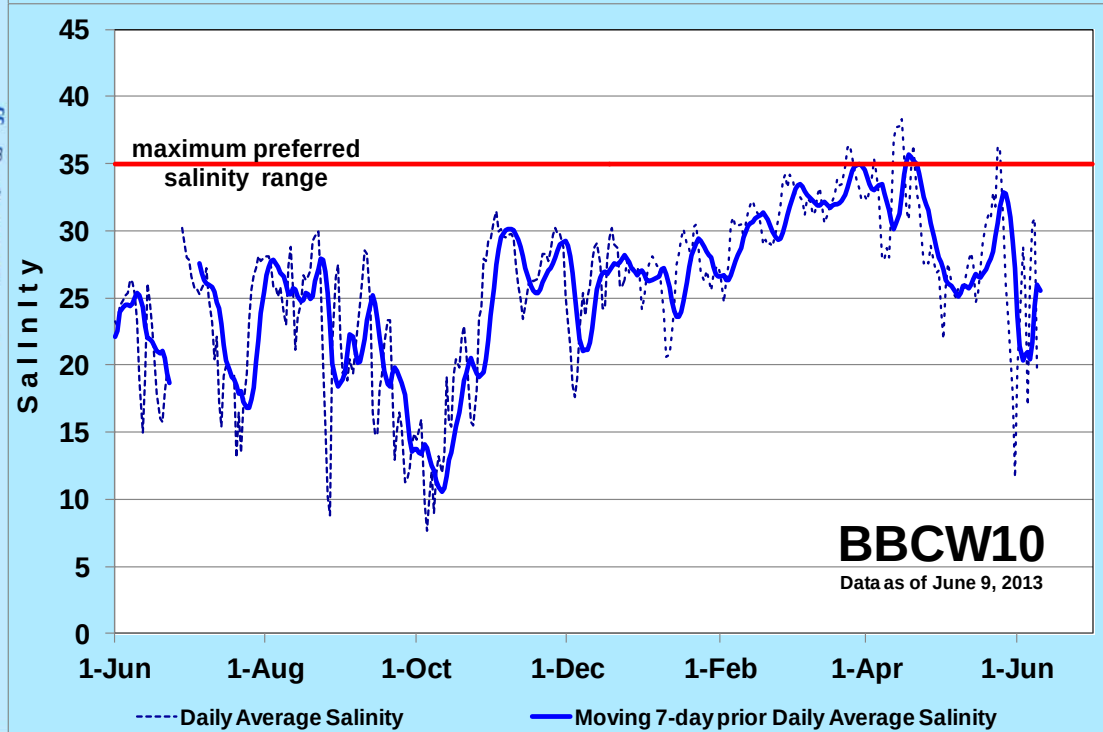
Algal Blooms in the Caloosahatchee River



Biscayne Bay Salinity

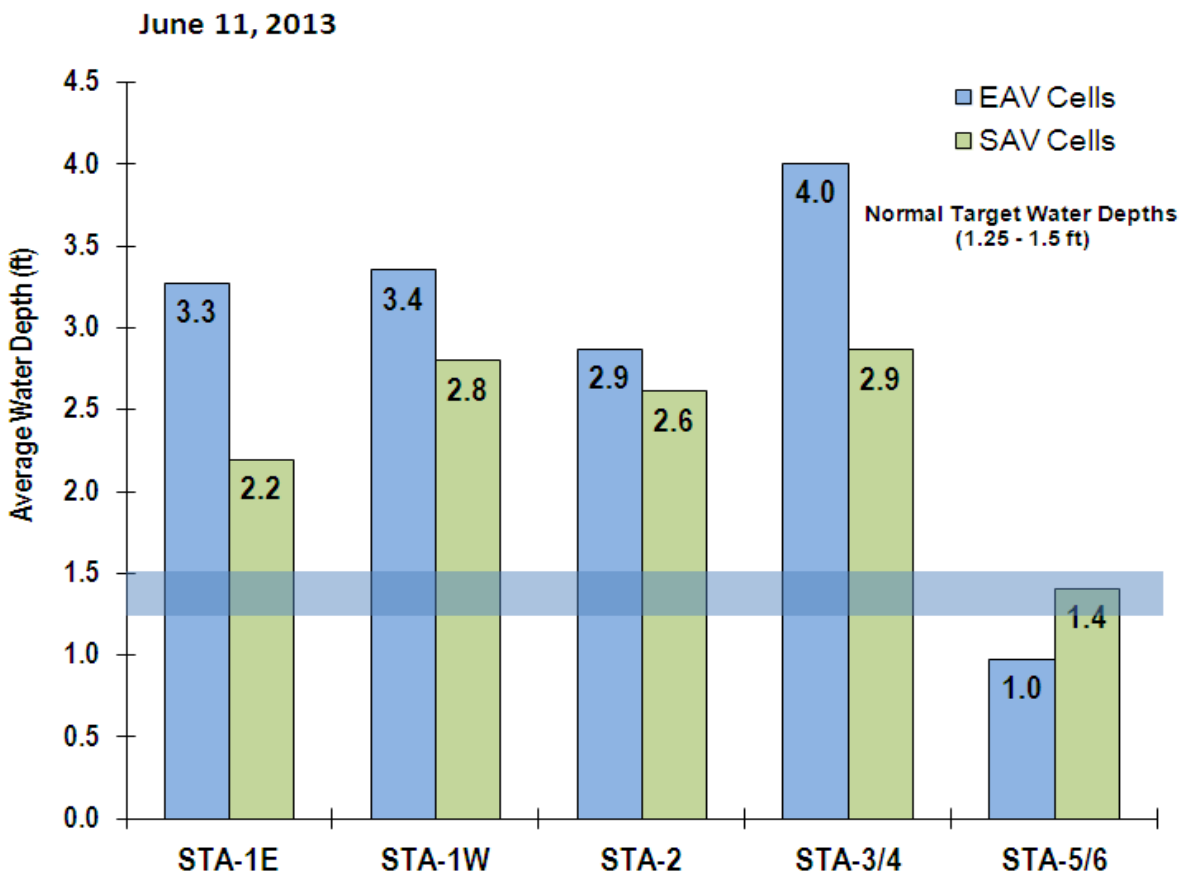






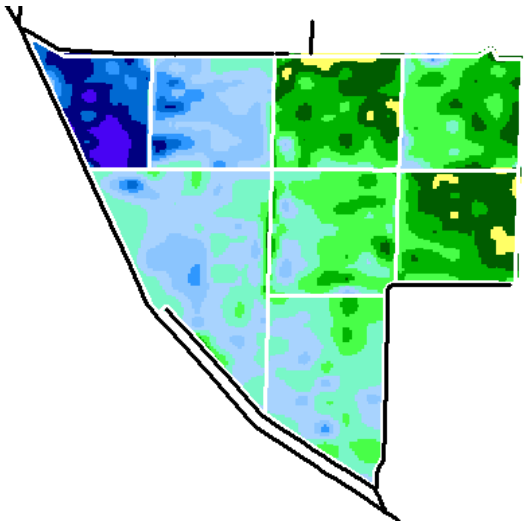
Stormwater Treatment Areas Response to TS Andrea

- Most STA water depths above target
- Deep water at STA-1E, STA-1W, STA-3/4
- Reduced STA capacity
  - Structure repairs
  - Rehabilitation efforts
  - Presence of bird nests
- Diversions initiated Jun 7th
  - STA-1E/STA-1W G-300 & G301, terminated June 11
  - STA-3/4 G-373, continuing

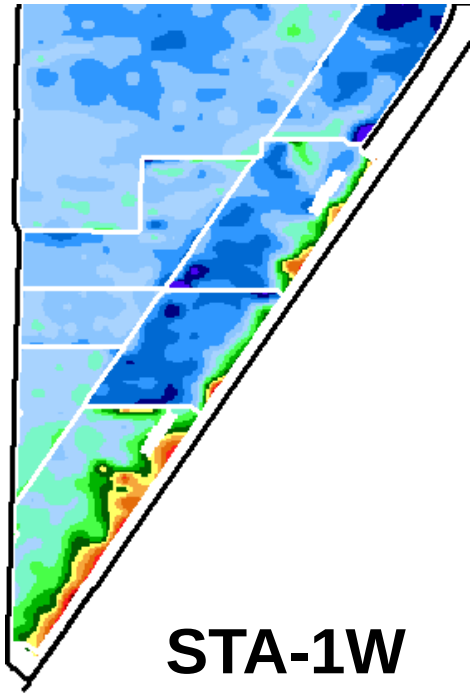


Some cells are excluded from calculations due to the data availablility or planned drawdown operations.

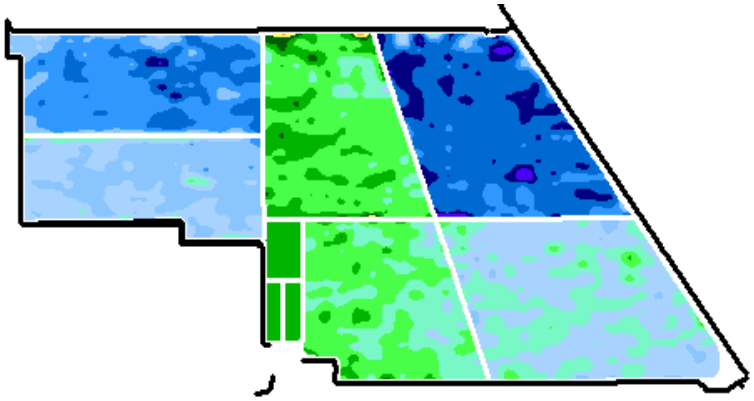
STA Water Depths Showing Deep Water Conditions 3-days Following TS Andrea



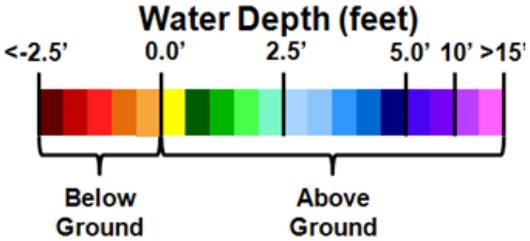
STA-1E



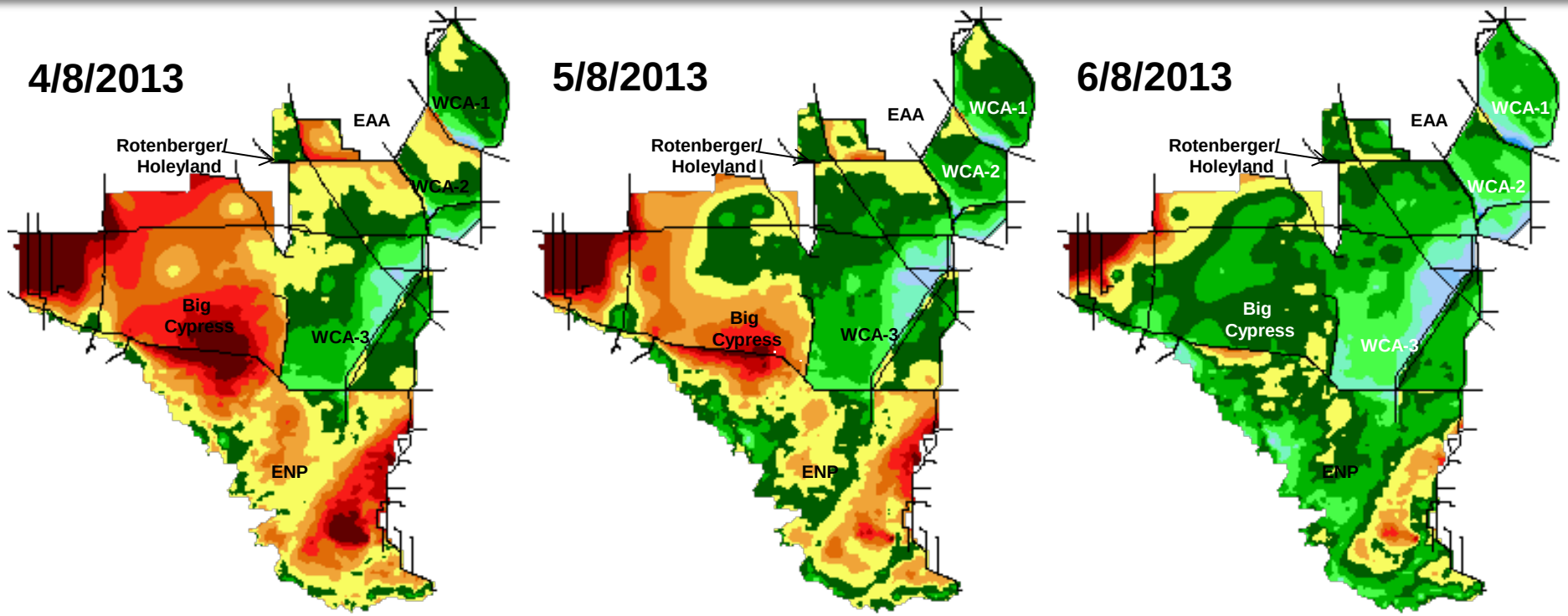
STA-1W

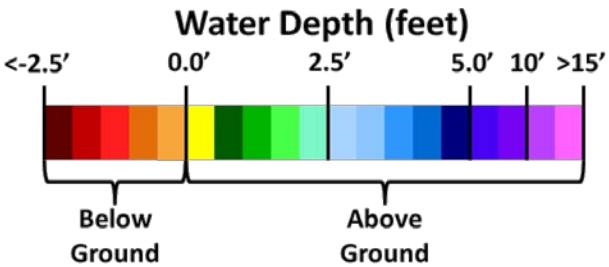


STA-3/4



Greater Everglades
Water Depth Monthly Snapshots





THANK YOU