



*Florida Department of
Environmental Protection*

Spatial planning for Florida's reefs: Port Everglades Anchorage

2nd Reef Resilience Conference

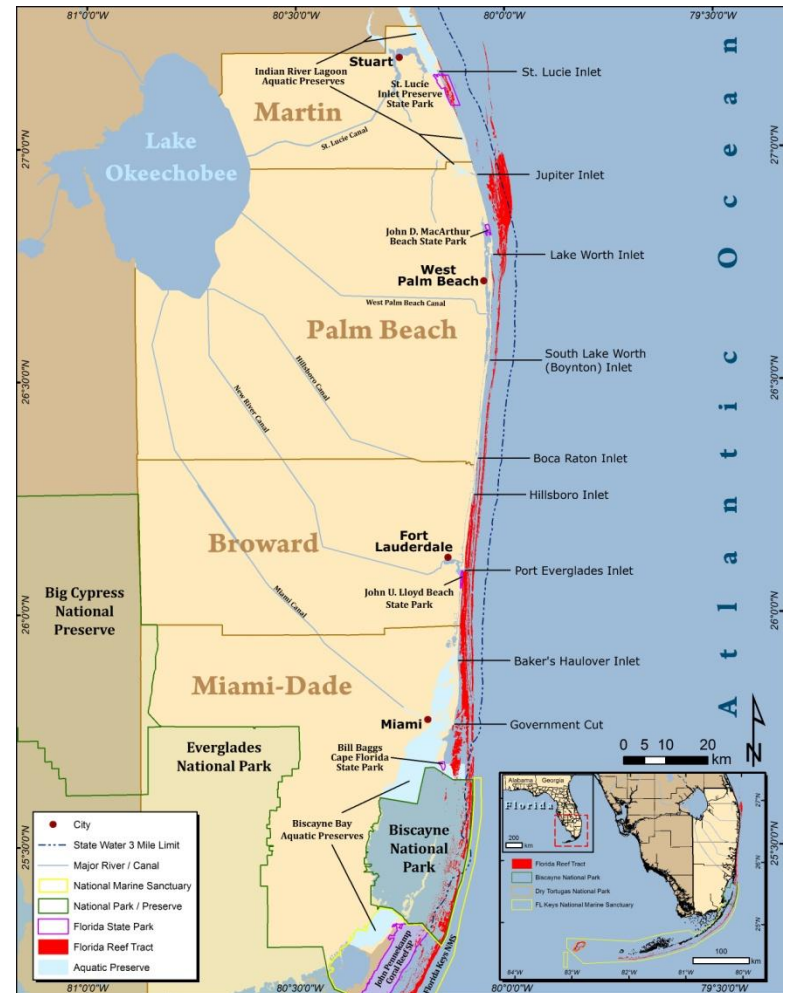
Ft. Lauderdale, FL • October 19, 2011

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The Florida Reef Tract

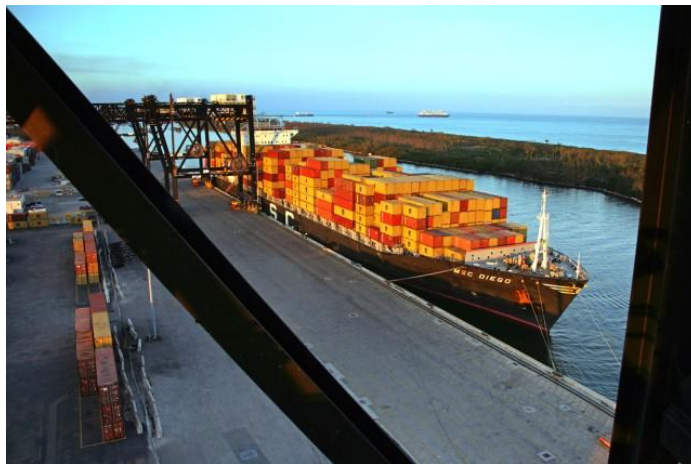
- Northern third of the Florida Reef Tract spans 170 km directly adjacent to the highly developed, mainland southeast Florida coast
- Reefs in this region are under extraordinary pressure from recreational and commercial use, coastal construction, and maritime industries.





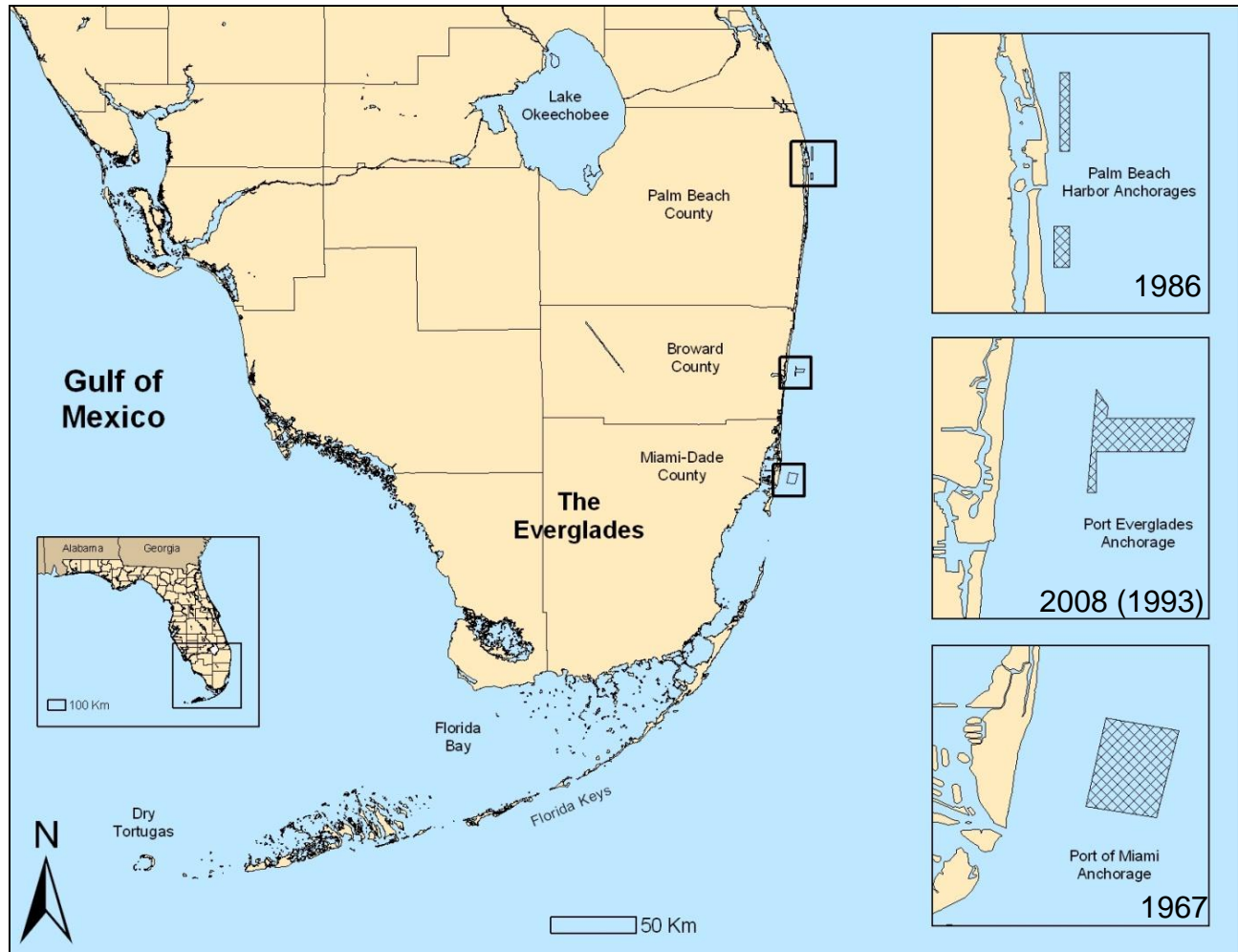
Southeast Florida Seaports

- Port of Palm Beach →
- Port Everglades ↓
- Port of Miami ↘





Southeast Florida Commercial Anchorage Areas





Port Everglades Anchorage Areas

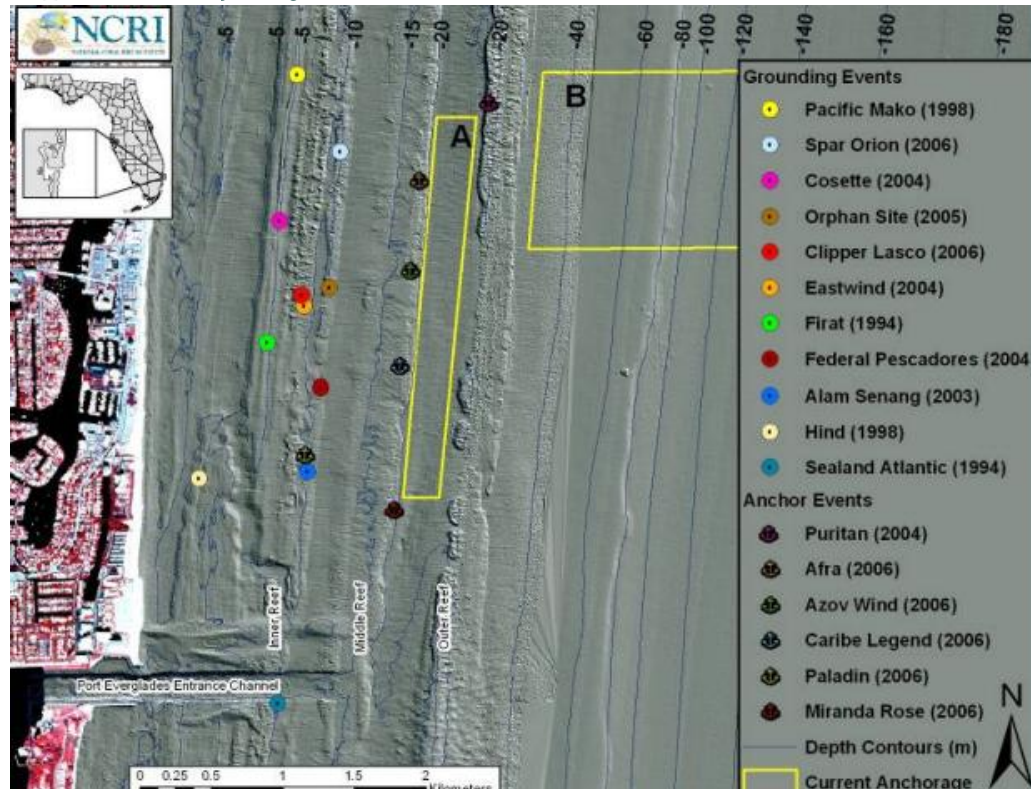
The high number of vessels using Port Everglades (averaging 5,376 ship calls/year, 2001-2010) subjects the surrounding marine environment to a constant flow of ship traffic.





Former “Ship Grounding Capital of the World”

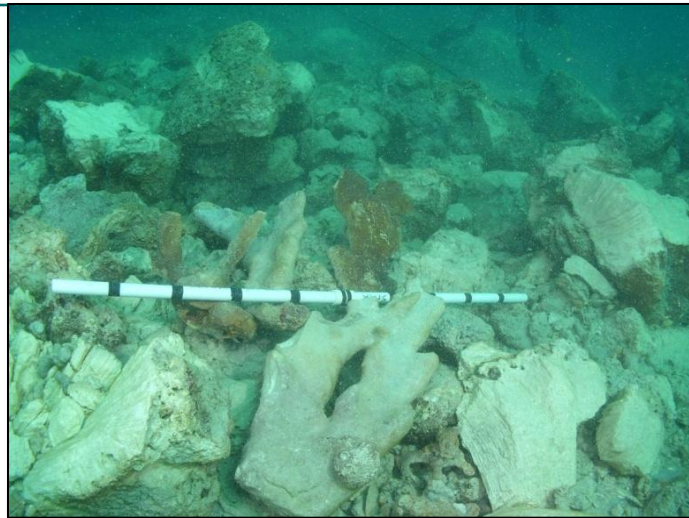
- 11 known large ship groundings, 1994-2006
- 6 known large anchor-dragging incidents, 2004-2006
- 4.5 hectares (11 acres) of damaged coral reef habitat in 12 years
- ## of orphan injury sites unknown





Vessel Impacts Associated with Anchorage Areas

**Goal =
Avoid...**



**Which
lead to...**





Port Everglades Anchorage Area Alternatives

- Port Everglades Anchorage Alternatives Feasibility Study
 - Calypso U.S. Pipeline, LLC mitigation requirement
 - Assessed:
 - mooring options
 - modifications to the existing anchorage
 - alternate nearshore anchorage areas
- Port Everglades Harbor Safety Committee convened Anchorage Working Group (AWG)
- Possible solutions identified by AWG included:
 - Identifying potential alternatives to anchoring
 - Safer approach routes for vessels entering and exiting area
 - Limiting size and number of vessels in existing anchorage
 - Limiting the amount of time vessels remain in the anchorage
 - Re-designating current Port Everglades ship anchorage areas

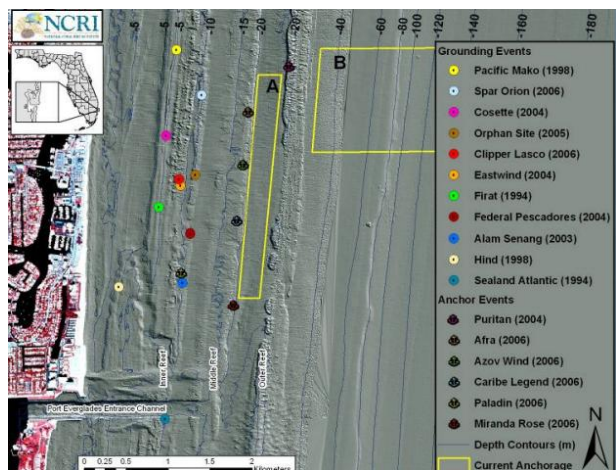




Port Everglades Anchorage Area Modifications

February 5, 2008 - USCG published the final rule amending the Port Everglades anchorage area and regulations:

1. eliminating the section of the anchorage (A) closest to sensitive living coral reefs,
2. expanding the anchorage (B) in deeper waters further offshore of the reefs, and
3. limiting the time a vessel may remain in the anchorage to 72 hours.





Port Everglades Anchorage Area Modifications

- Action was a direct result of recommendations by the Port Everglades Harbor Safety Committee (HSC) Anchorage Working Group following a review of commercial vessel groundings and anchorage alternatives off the Fort Lauderdale coast.
- The HSC is chaired by Coast Guard Sector Miami and includes representation from federal, state, county, and local maritime and environmental stakeholders.
- Since 2008, NO groundings have occurred in the vicinity.

