



# Florida Department of Environmental Protection

## Division of Water Resource Management

# *Palm Beach Island Pilot Beach Management Agreement (BMA)*

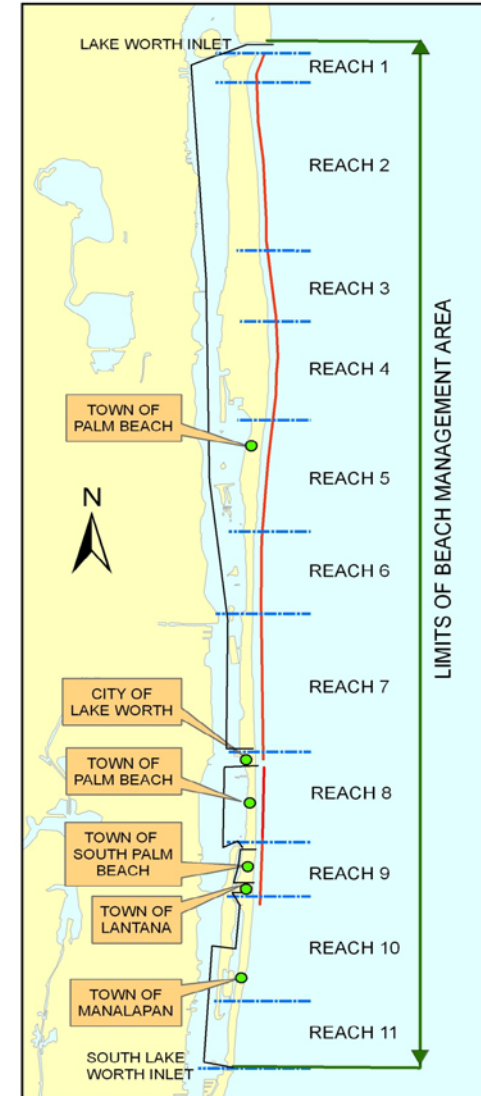
*December 4, 2015  
Lainie Edwards, Ph.D.*





# What is the BMA?

- Section 403.0752, F.S.
- BMA Stakeholder Process
- Regional Permit Document
  - Better method of beach management
  - Regulatory requirements must be met
  - Streamlined
  - Perpetual, adaptable, amendable
  - Increased coordination
- Net Ecosystem Benefits Required





# BMA Approved Projects



1. LWI Maint. Dredging
2. STP 2<sup>nd</sup> Discharge
3. Mid-Town Nourishment
4. Phipps Ocean Park Nourishment
5. Groin Rehabilitations
6. Dune Restorations

**\*\* Future Projects Anticipated \*\***



# Net Ecosystem Benefits

- Inlet Management Improvements
- Outfall Retrofits
- Cell-Wide Turtle Monitoring
- Cell-Wide Hardbottom and Physical Monitoring

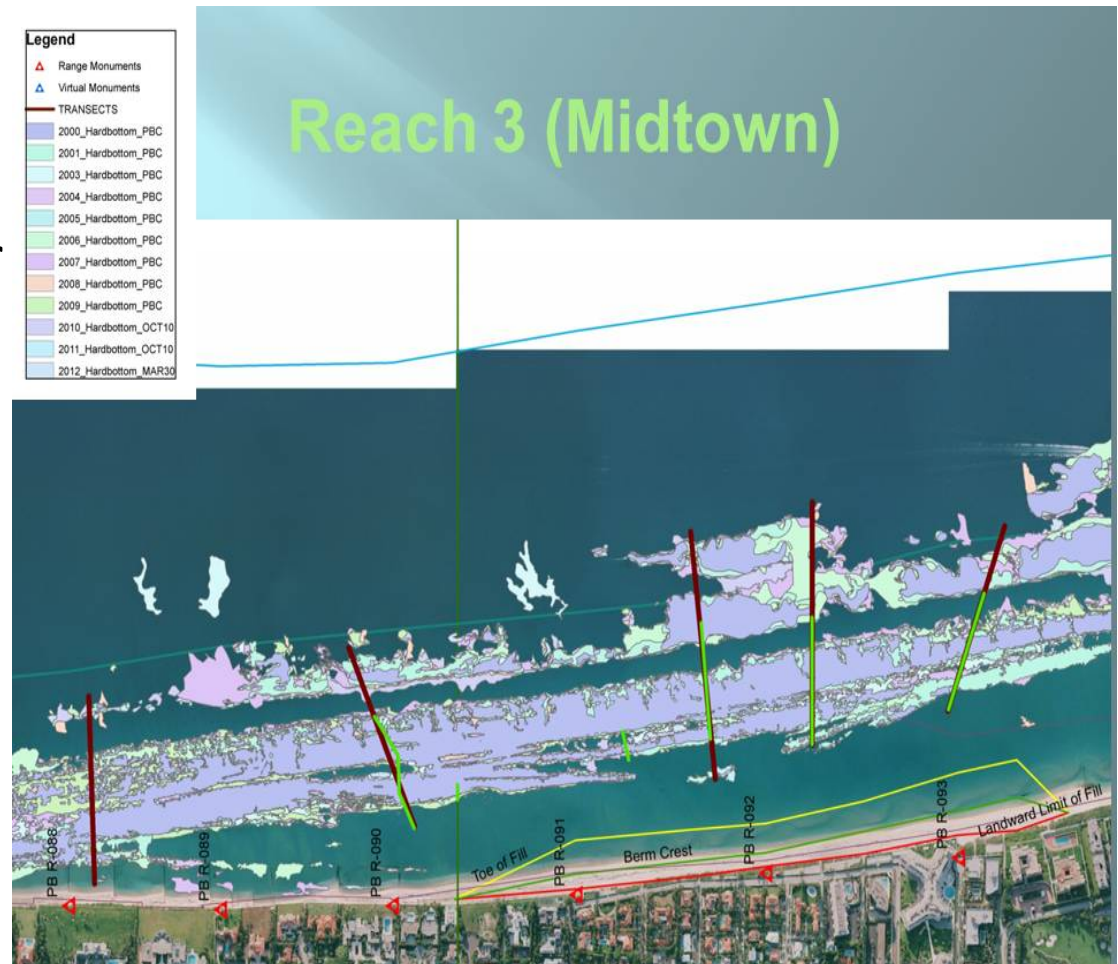






# Cell-Wide Hardbottom Monitoring

- 2 Goals:
  - Satisfy regulatory requirements
  - Understand sand cover variability & resulting habitat shifts
- Vetted with agencies and academia
- Annual report / 5 year review
- Separate from project impact analysis





# BMA Year 2 Updates

1. BMA executed September 26, 2013
2. HB mapping / monitoring
3. Turtle monitoring
4. Physical monitoring
5. Projects
  1. Mid-Town
  2. Phipps Beach / Dune
  3. Reach 8 Dune
  4. 2016 Phipps Ocean Park
  5. Groin rehabilitation





# Acknowledgements

- Town of Palm Beach
- Palm Beach County
- Coastal Ecogroup, ATM, Tetra Tech, Coastal Tech, CBI, Nova SEU
- DEP BMA Team
- Stakeholders
  - Agencies
  - Municipalities
  - Interested Parties





# Contact Information

BMA Website:

<http://www.dep.state.fl.us/beaches/pb-bma/index.htm>

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