

North Atlantic Coast Cooperative Ecosystem Studies Unit (CESU)



Federal Partners



<http://www.ci.uri.edu/nacesu/>

Non-Federal Partners



National Park Service

NORTHEAST REGION



Northeast Region Ocean Parks



Boston NHP
USS Constitution



Boston Harbor Islands



Acadia



Saugus Iron Works



Cape Cod



Sagamore Hill

Ecosystem Response to Hurricane Sandy



April 2005



January 2013

- Physical dynamics of the breach
- Great South Bay water levels
- Shoreline change monitoring
- Estuarine plankton
- Seagrass monitoring
- Fish utilization of seagrass habitat
- Estuarine habitat mapping
- Barrier island deer population
- Barrier island vegetation change

CESU Collaborators

- *Stony Brook University*
- *Rutgers University*
- *SUNY-ESF*
- *University of Rhode Island*
- *USGS*

Photos: Charles Flagg (Stony Brook Univ)



National Park Service
U.S. Department of the Interior

North Atlantic Coast CESU -- some comments on funding process --

Requests for Statements of Interest and Qualifications

- Open only to North Atlantic CESU, several CESUs (those with Northeast focus), or all CESUs
- For example, in April 2013, three Requests for Statements of Interest were issued;

Submerged Habitat Mapping (\$900,000)

Enhanced geospatial framework and elevation mapping (\$850,000)

Geospatial data management, acquisition, change analysis, LiDAR (\$800,000)

Seek Investigators with a long-standing commitment to specific issues and with outstanding productivity





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North Atlantic Coast CESU *Opportunities*

Marine Habitats

- Habitat Mapping and Inventory

Climate Change

- Understanding natural resource responses to climate change
- Planning for climate change and sea level rise

Cultural Resources

- Marine Archeological Assessments
- Cultural Landscape Preservation

Other Opportunities

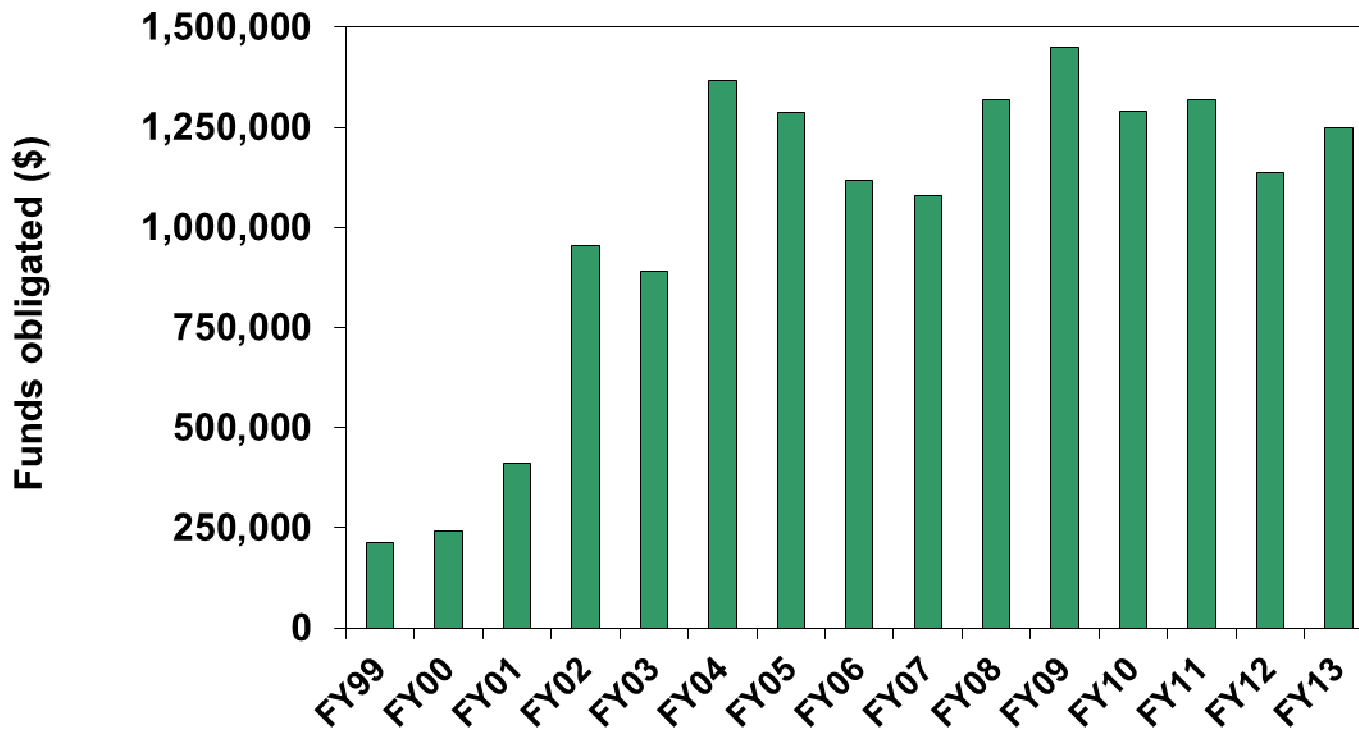
- Hurricane Sandy
- Long-term Monitoring
- Issue-oriented Research

- *Meet with park staff*
- *Learn of issues and science needs*
- *Help establish the science agenda of parks*





North Atlantic Coast CESU *National Park Service support to partners*



Collaborators in FY12 and FY13

- Bates College
- Biodiversity Research Inst.
- Columbia University
- CUNY – Brooklyn College
- Provincetown Center
- Rutgers Univ
- Stony Brook Univ
- SUNY-ESF
- Univ of Maine
- UMass-Amherst
- UMass-Boston
- Univ of RI



- Only natural resource projects included
- Additional funds expected in FY13