

# Phased Development of the NY Bight Sub-Regional Coastal Ocean Observing System

Proposal to NOAA for Regional IOOS  
Development

Presented at: NJWMCC Meeting  
January 23, 2008



new jersey  
department of environmental protection  
water monitoring & standards

# Proposal Components

- Ocean data acquisition and management
- Model/forecasting
- Product-generation system in response to user needs in the areas of:
  - Coastal Inundation
  - Water Quality
- Funding Request : \$6,170,890
- Project Duration: 3 years



# Investigators

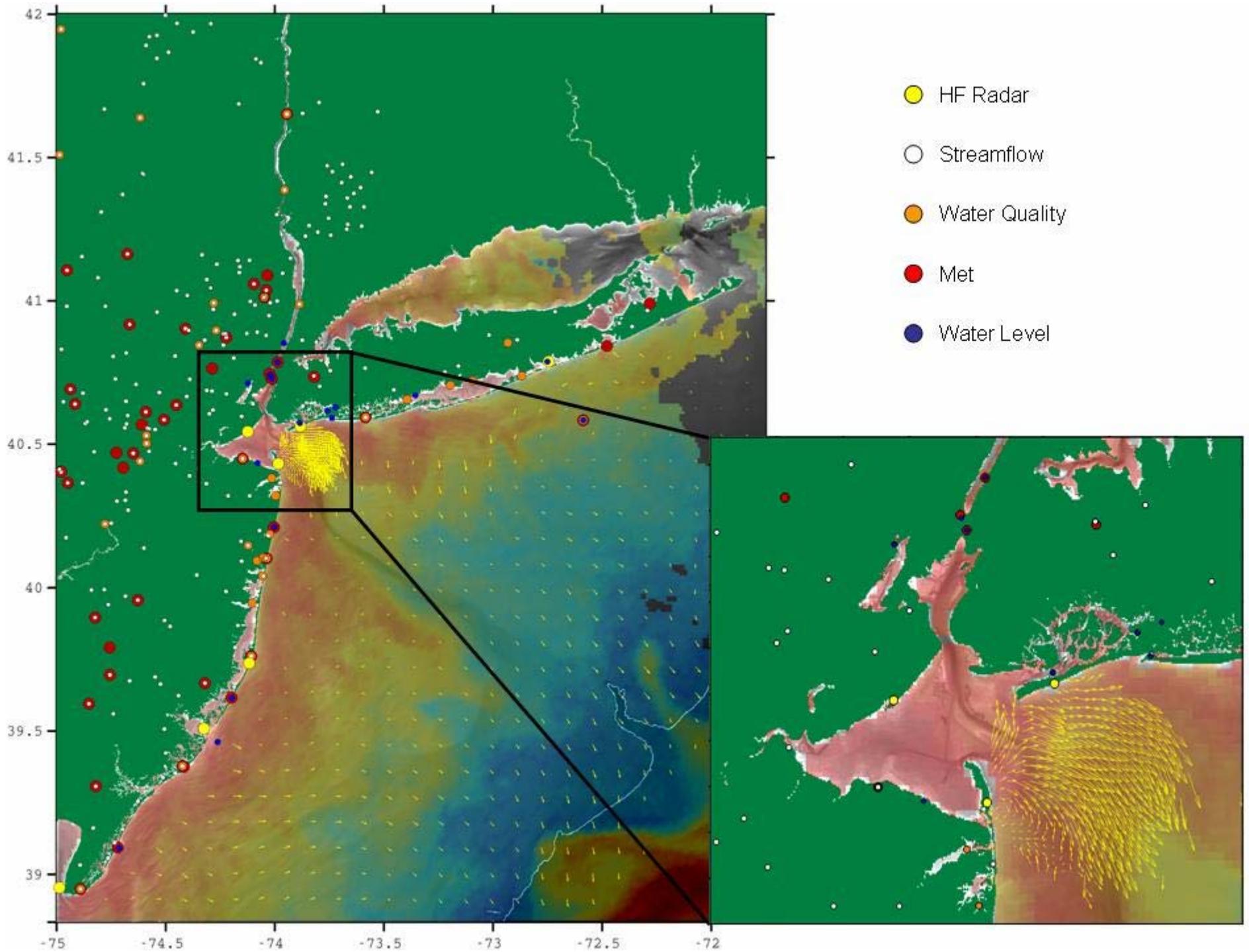
- Stevens Institute of Technology
- Stony Brook University
- Rutgers University
- Monmouth University
- Hunter College
- NJ and NY Sea Grant
- ASA, Inc.
- OPeNDAP, Inc.



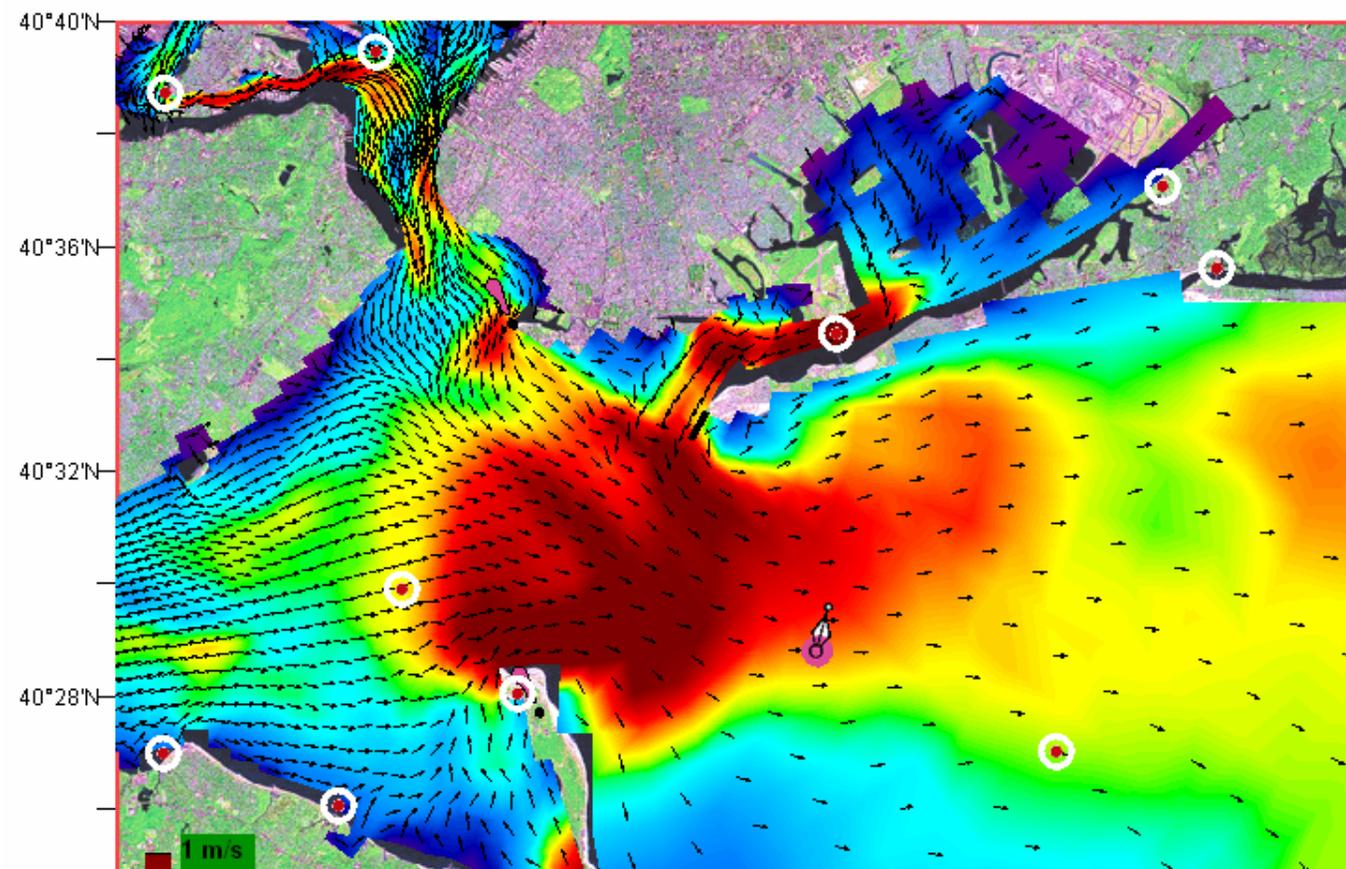
# Partners

- National Weather Service – NJ and NY
- National Marine Fisheries Service
- NJ Dept. of Environmental Protection
- USGS – NJ and NY
- Liberty Science Center





New York Bight Apex Surface Currents (m/s)  
Jan 22, 2008 22:00 - 23:00



**New York Bight Apex Surface Currents**

New York Bight Apex

Surface Currents

- Choose Station -

Units: m/s

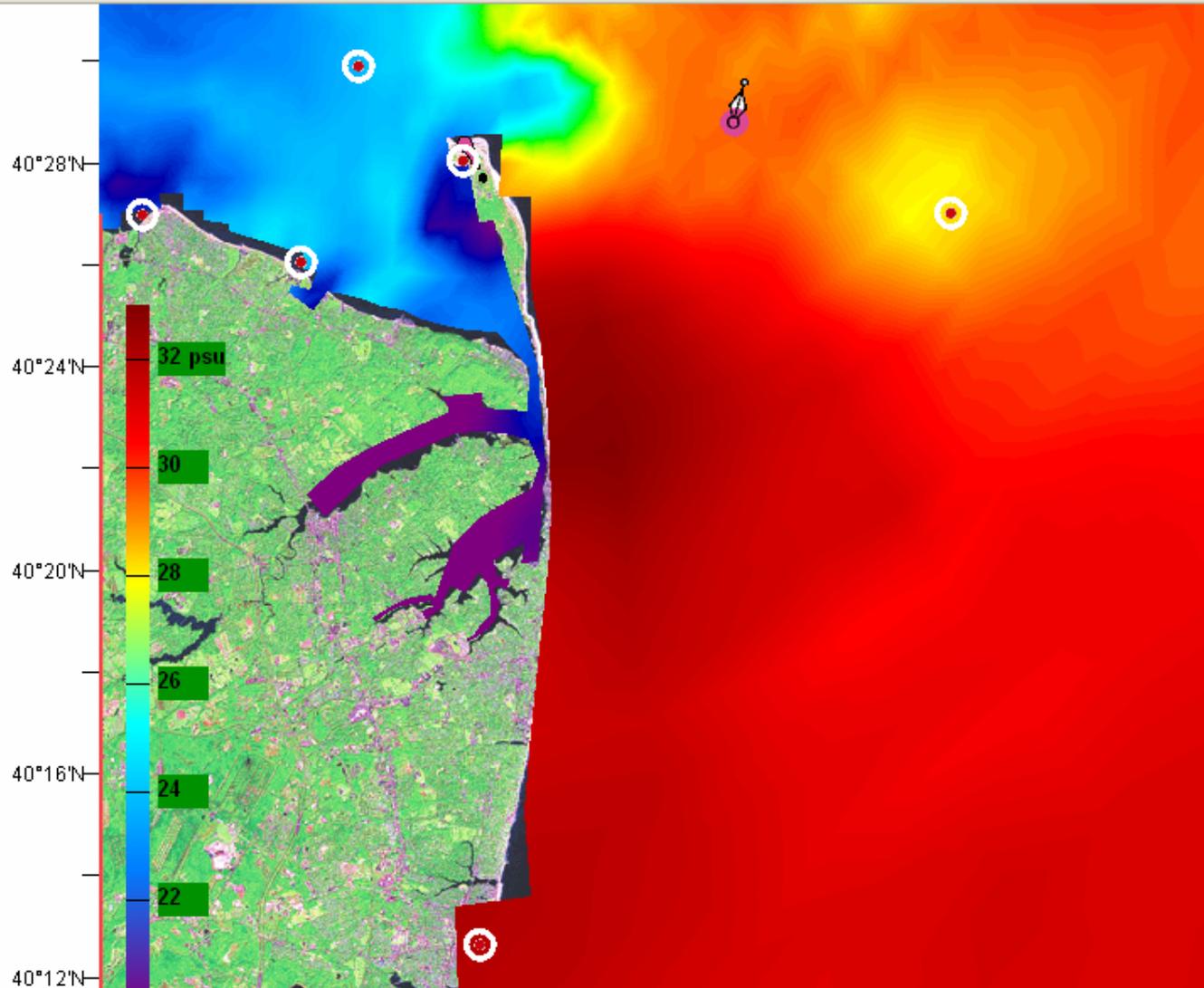
2008 Jan 22

Time: 22:00 local

40°30.97'N  
73°50.43'W

DISCLAIMER: This observing and forecast system is a research product. Use at your own risk. No warrantee is made, expressed or implied.

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### New York Bight Apex Surface Salinity

New York Bight Apex

Surface Salinity

- Choose Station -

Units: psu

2008 Jan 22

Time: 22:00 local

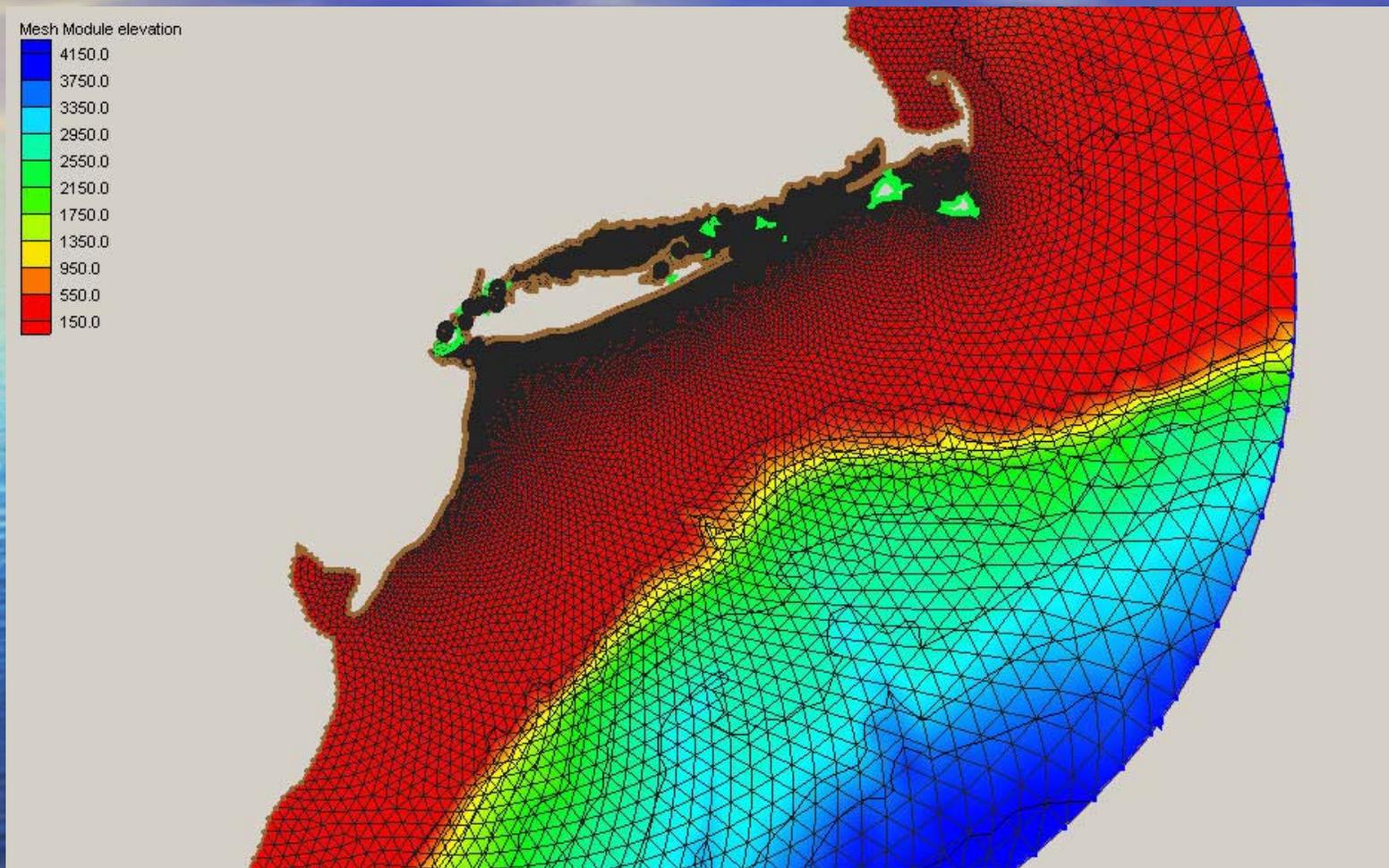


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# Modeling Water Elevation for Storm Surge Prediction



Water elevation model grid over bathymetry.



# Timeline

