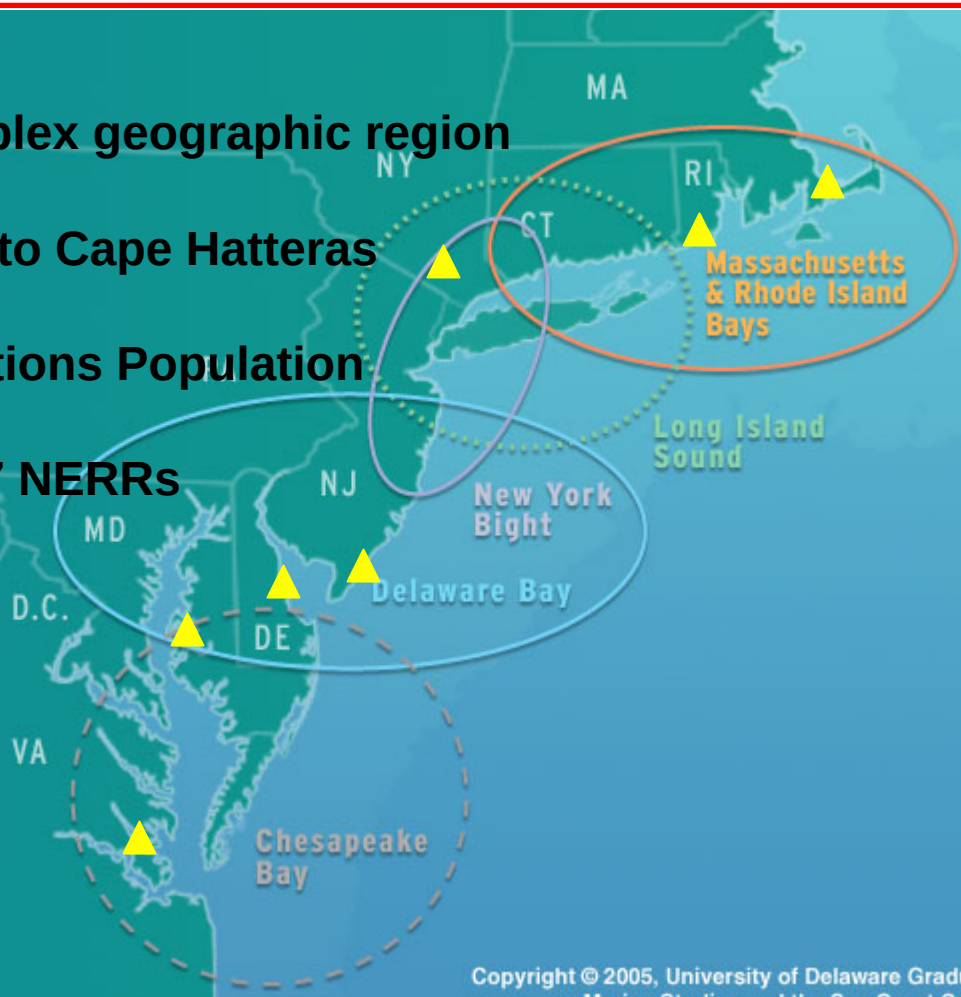
MACOORA

Mid-Atlantic Coastal Ocean Observing Regional Association

- Most complex geographic region
- Cape Cod to Cape Hatteras
- 23% of Nations Population
- Contains 7 NERRs



MACOORA

Mid-Atlantic Coastal Ocean Observing Regional Association

2005 Accomplishments

- Early in the year - Sub-regional workshops set the stage for the May regional workshop.

- May Regional Workshop
  - Mission Statement and Vision Document
  - Consensus on set of corporate bylaws
  - Agreement on organizational structure
  - Business plan discussions
  - Pilot project priorities

- December Regional Organizational Workshop
  - Elected Board of Directors
  - Accepted ~ 50 charter memberships
  - Held first Board meeting
  - Elected Board Officers
  - Incorporated as 501(c)(3) not-for-profit corporation

MACOORA

Mid-Atlantic Coastal Ocean Observing Regional Association

- 12-15 member Board (1 rep from each subregion, subject to approval by 7 at-large Board members elected by membership. Board may then add up to 3 additional members to assure geographic and sector diversity.

- Current membership: 3 industry reps, 2 gov. agency reps, 2 non-governmental agency reps, 6 academics (includes 4 PI's). Members serve 1-3 year staggered terms of office.

- Charter member organizations: 26% industry, 23% government agencies, 6% NGO's, and 45% academia.

"MIKE FACTOR"

- Four Functional Committees: Product Development, User Committee, Education/Outreach/Marketing, and Data Sharing and Archiving Committee.

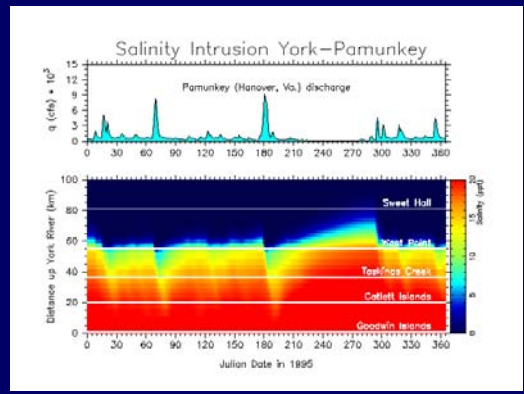
CSC NERRS Enhancement Proposal

Part I. Telemetry

*Allows buildout for over water weather

Sutron: Water Quality
Campbell: Weather

Part II. Pilot Projects

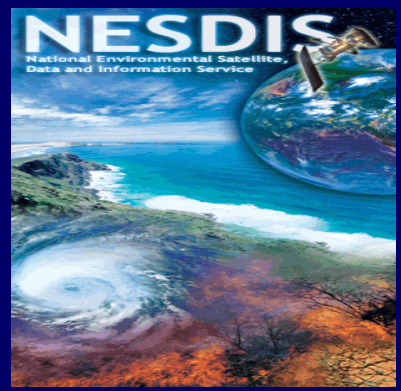


Ecosystem Health
Natural and Anthropogenic Forcings

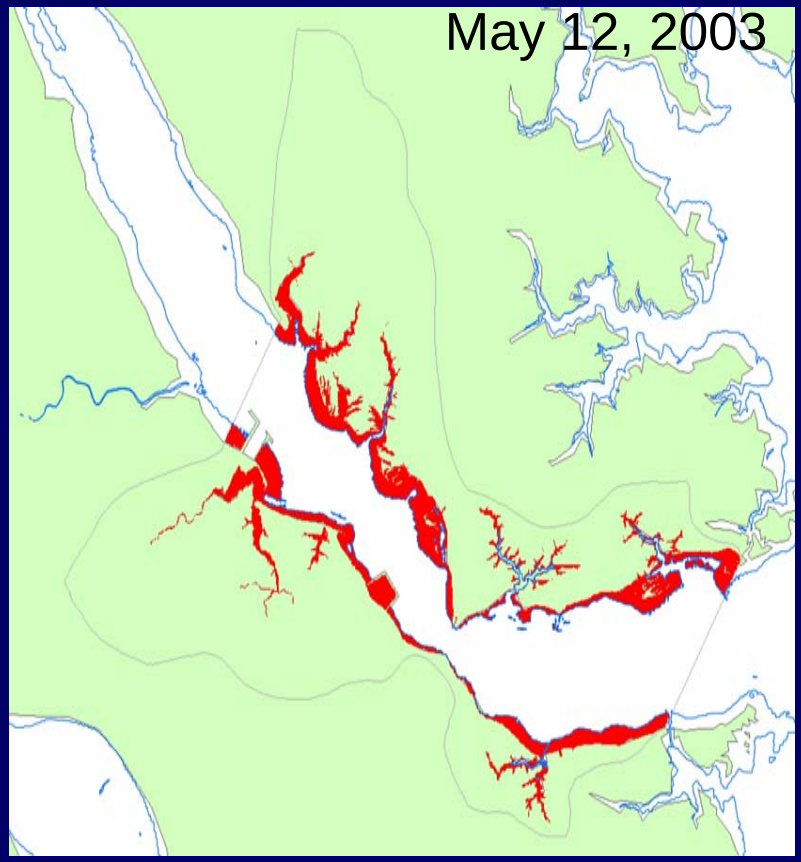
Part III. Data Management

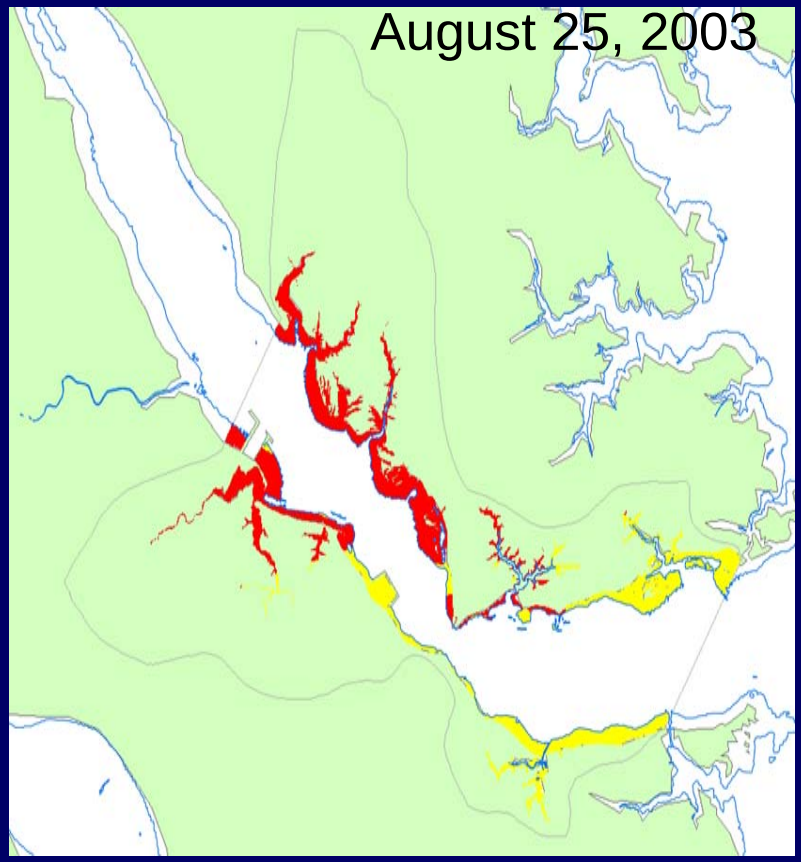
Ecosystem Health
Natural and Anthropogenic Forcings

Part III. Evaluation



Chesapeake Bay
Shallow Water Monitoring Program:
Data Applications to SAV Water Quality Criteria and Restoration

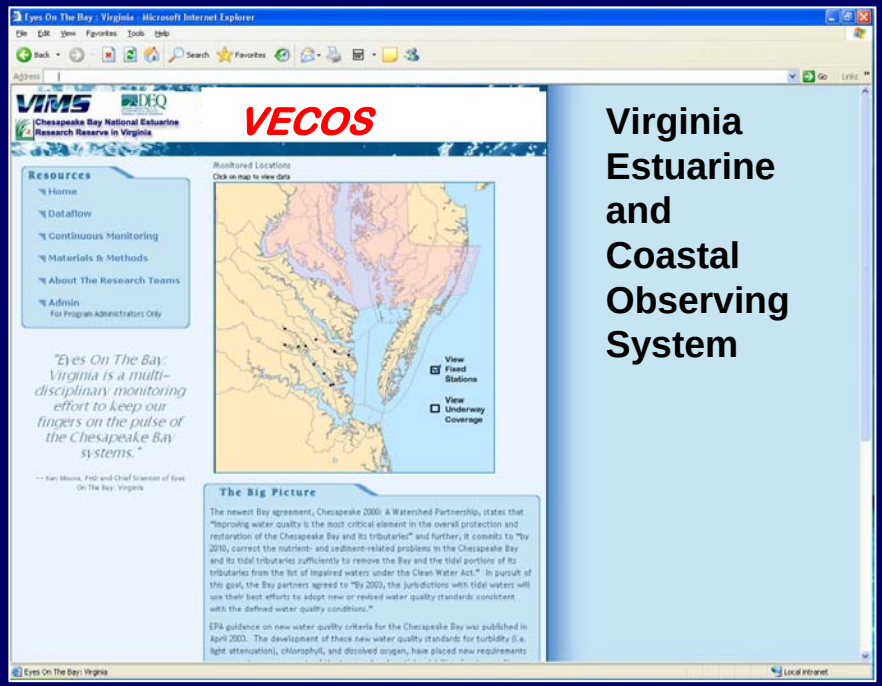




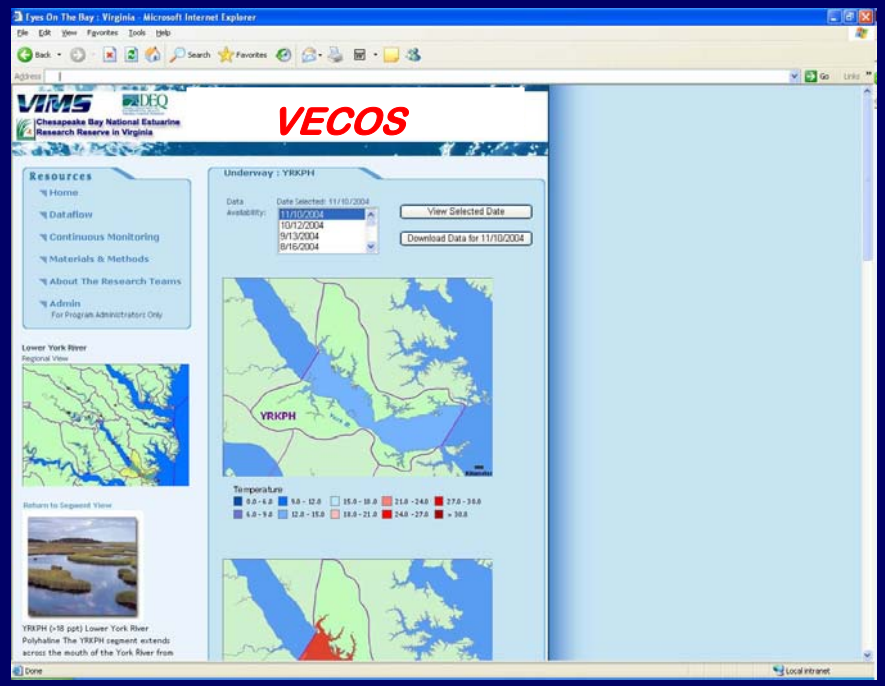
1 m MLW Contour

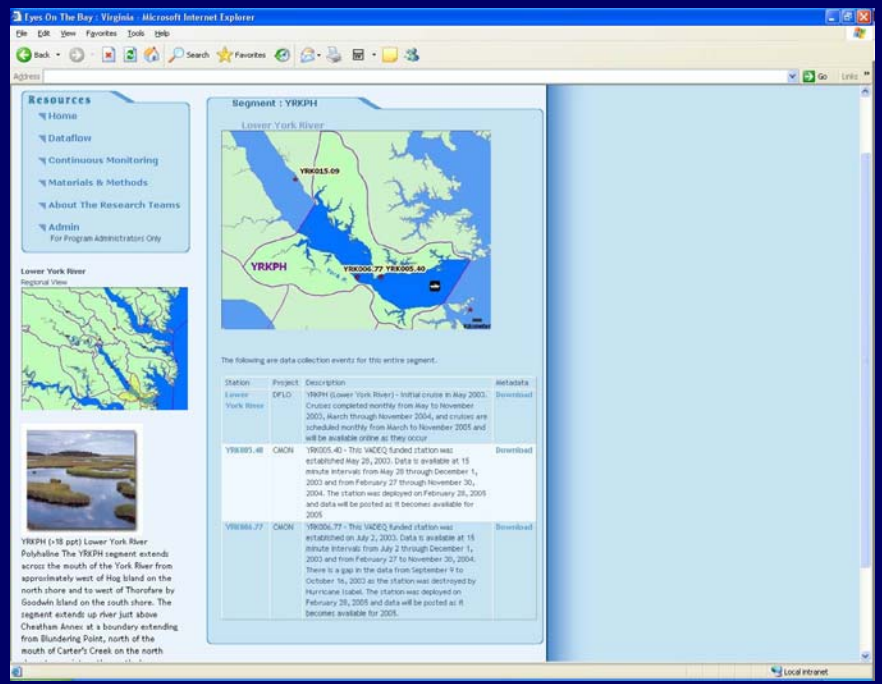
Water Clarity Non-attainment

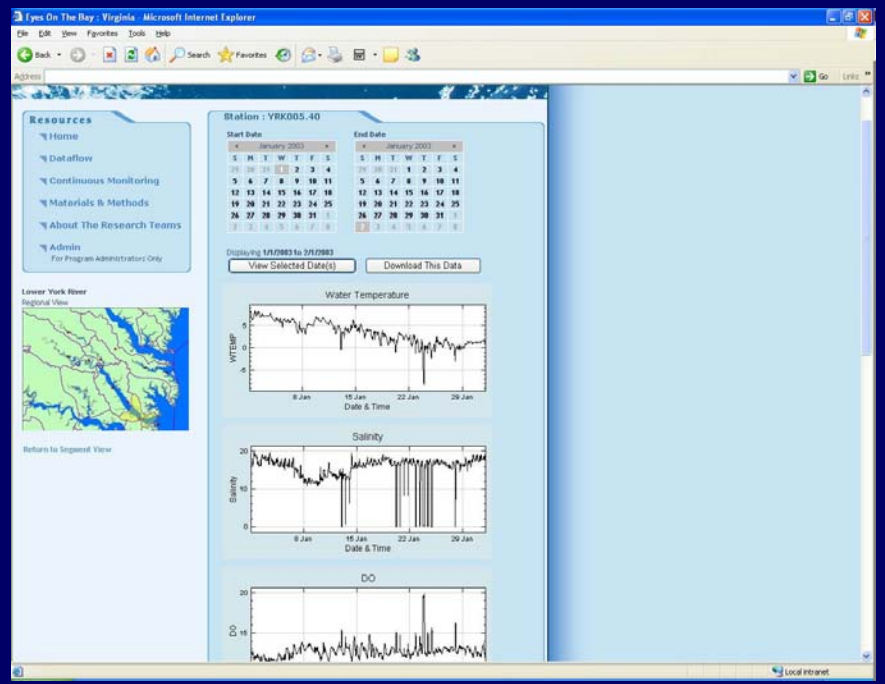
Water Clarity Attainment



Virginia Estuarine and Coastal Observing System





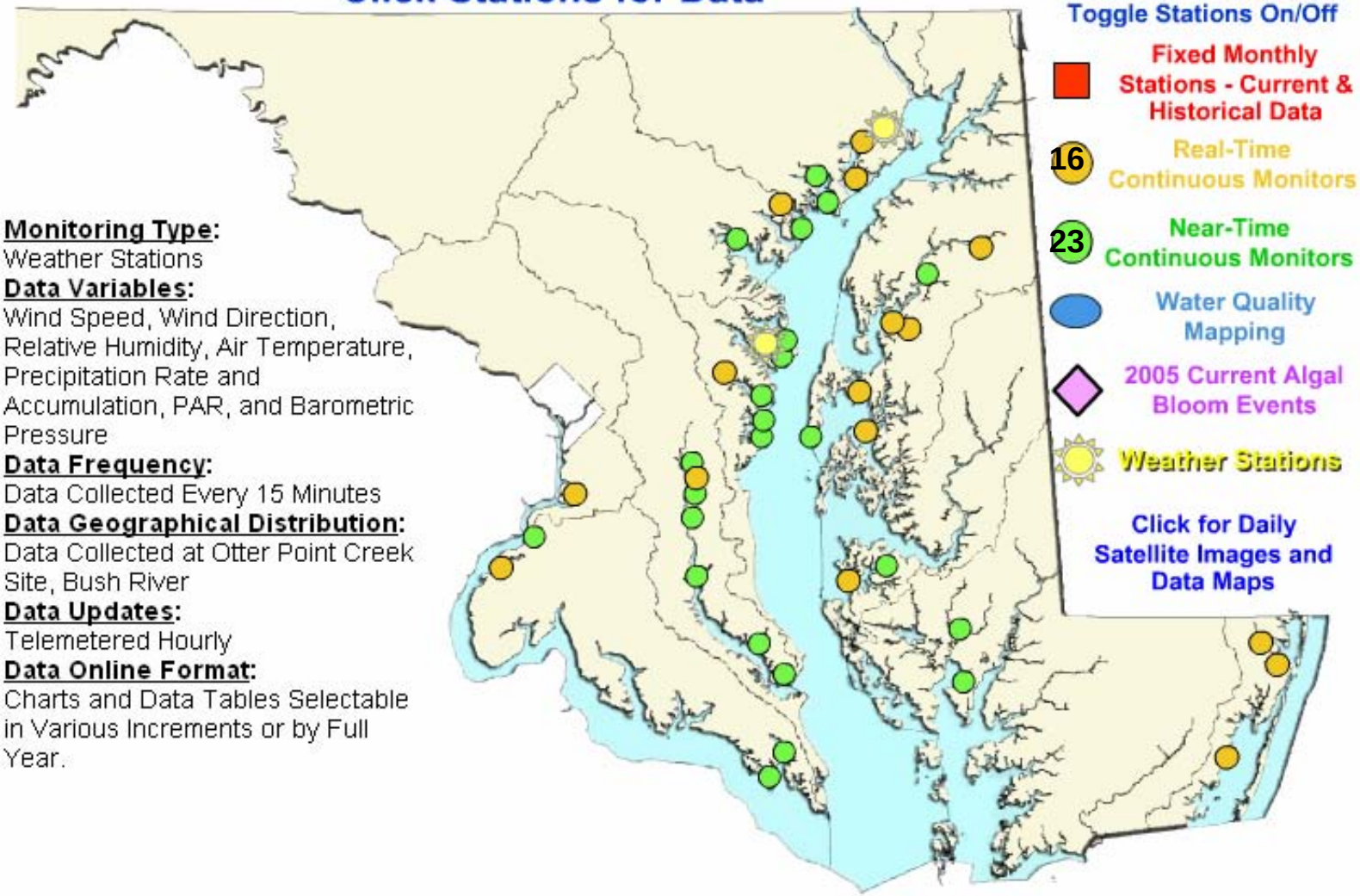


Eyes on the Bay

www.eyesonthebay.net

MARYLAND DEPARTMENT OF NATURAL RESOURCES

Click Stations for Data



Monitoring Type:
Weather Stations

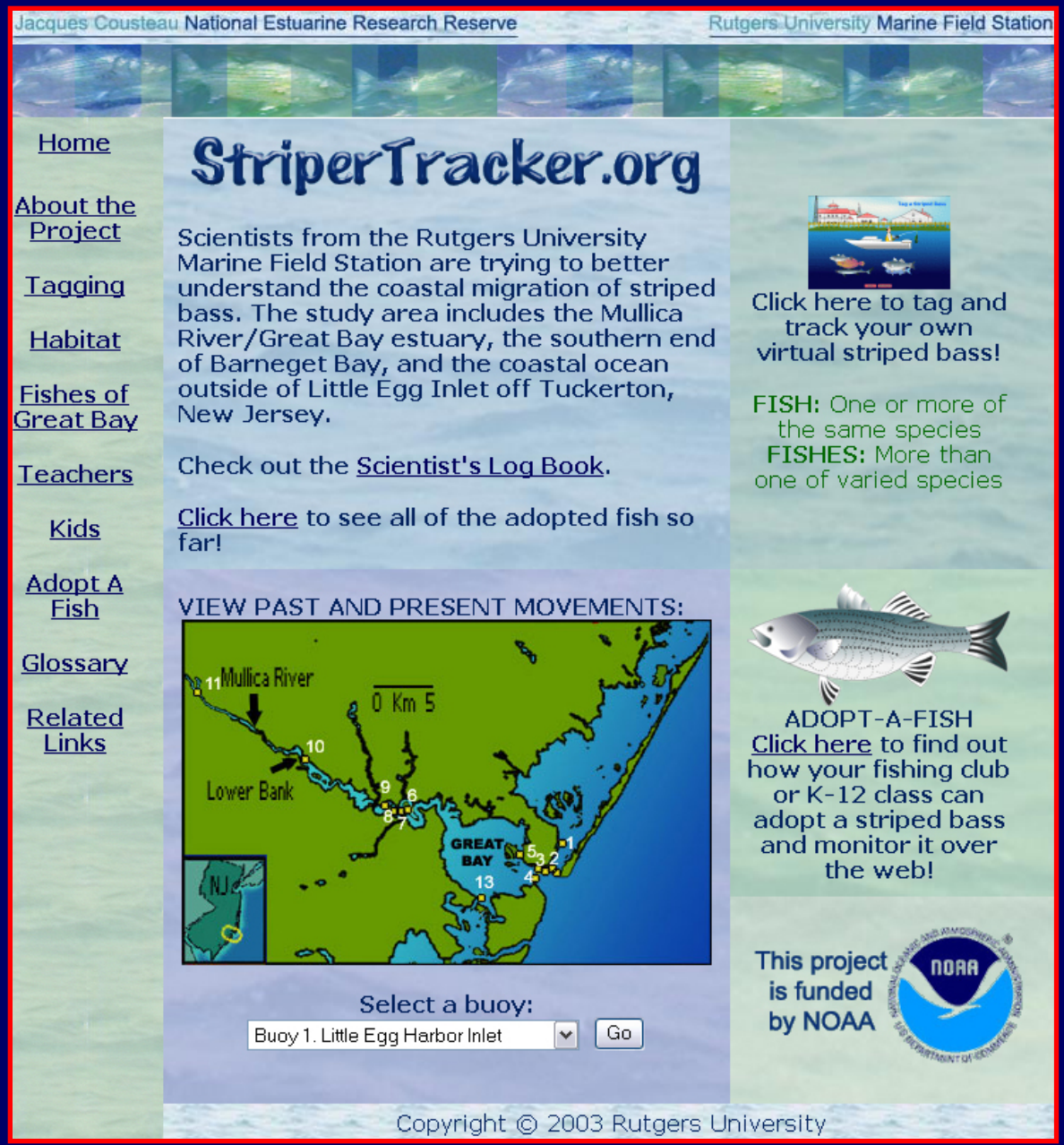
Data Variables:
Wind Speed, Wind Direction, Relative Humidity, Air Temperature, Precipitation Rate and Accumulation, PAR, and Barometric Pressure

Data Frequency:
Data Collected Every 15 Minutes

Data Geographical Distribution:
Data Collected at Otter Point Creek Site, Bush River

Data Updates:
Telemetered Hourly

Data Online Format:
Charts and Data Tables Selectable in Various Increments or by Full Year.



- **Provides movement data to public**
- **Includes lesson plans for teachers**
- **Scientist's Log updates**
- **Information on biology and links to more**
- **Adopt-a-fish program for community participation**

Jacques Cousteau National Estuarine Research Reserve

NOAA's Undersea Research Program



CBOS
Chesapeake Bay Observing System

Wind and Waves Stations

COOPERATIVE EXPANSION AND INTEGRATION DEMONSTRATION (CCIED): Wind, Waves, Dissolved Oxygen

Principal Providers (North to South):

- ***NOAA Chesapeake Bay Office***
- ***University of Maryland Center for Environmental Science***
- ***Virginia Institute of Marine Science College of William and Mary***
- ***Old Dominion University***

Principal User: National Weather Service

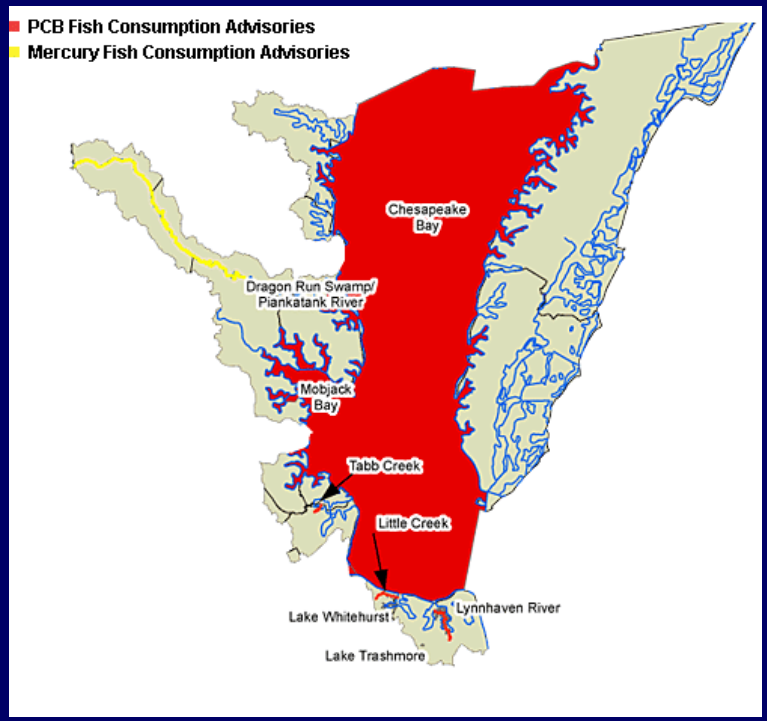
Principal Product

Improved wind and wave forecasts, but data also will improve hydrodynamic modeling, and ecological forecasts of hypoxia, sea nettles, harmful algal blooms,…, which are important for coastal managers.

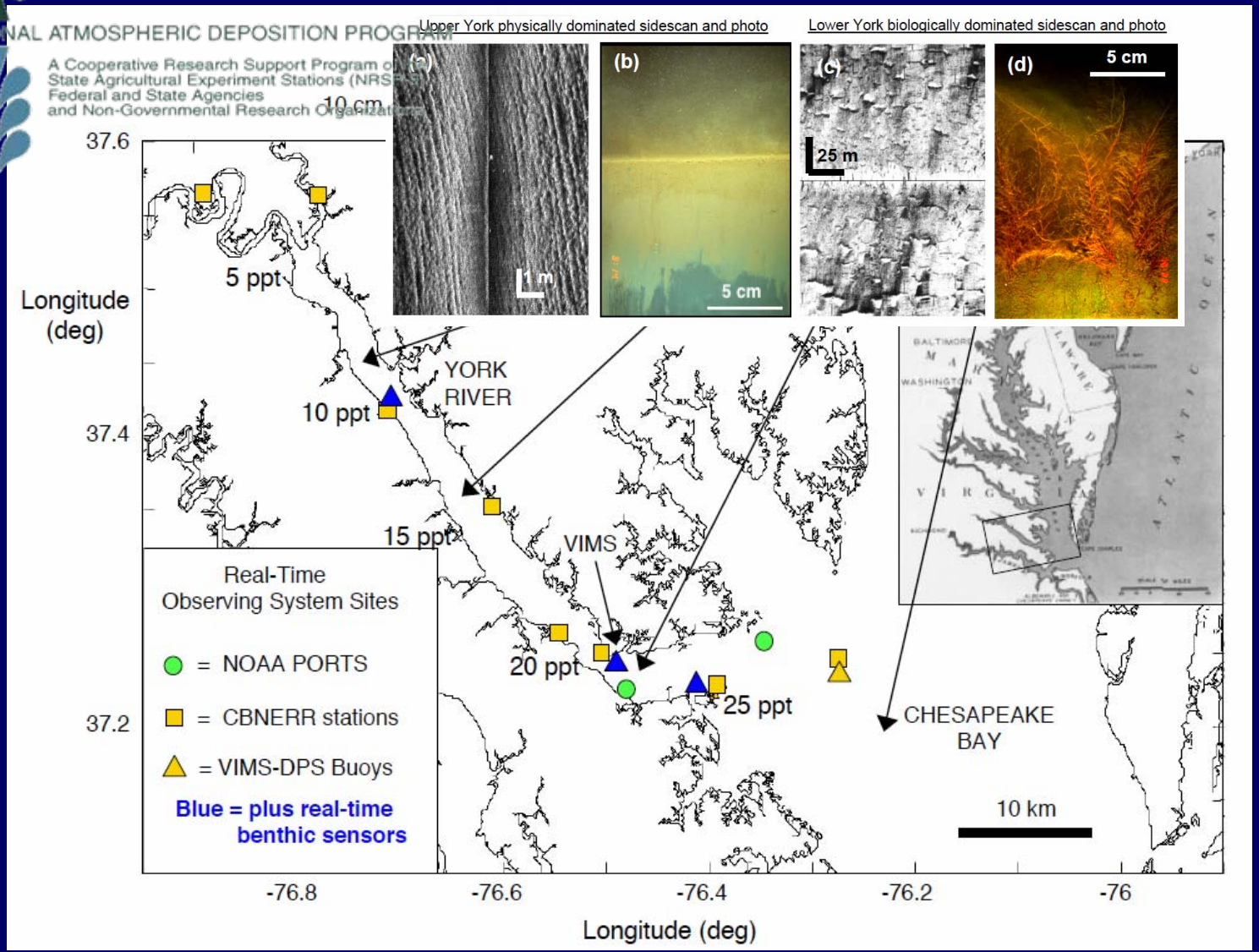
NATIONAL ATMOSPHERIC DEPOSITION PROGRAM

A Cooperative Research Support Program of the
State Agricultural Experiment Stations (NRSP-3)
Federal and State Agencies
and Non-Governmental Research Organizations

Weather Opportunities



MUDBED: MULTI-DISCIPLINARY BENTHIC EXCHANGE DYNAMICS



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Chesapeake Bay
National Estuarine
Research Reserve