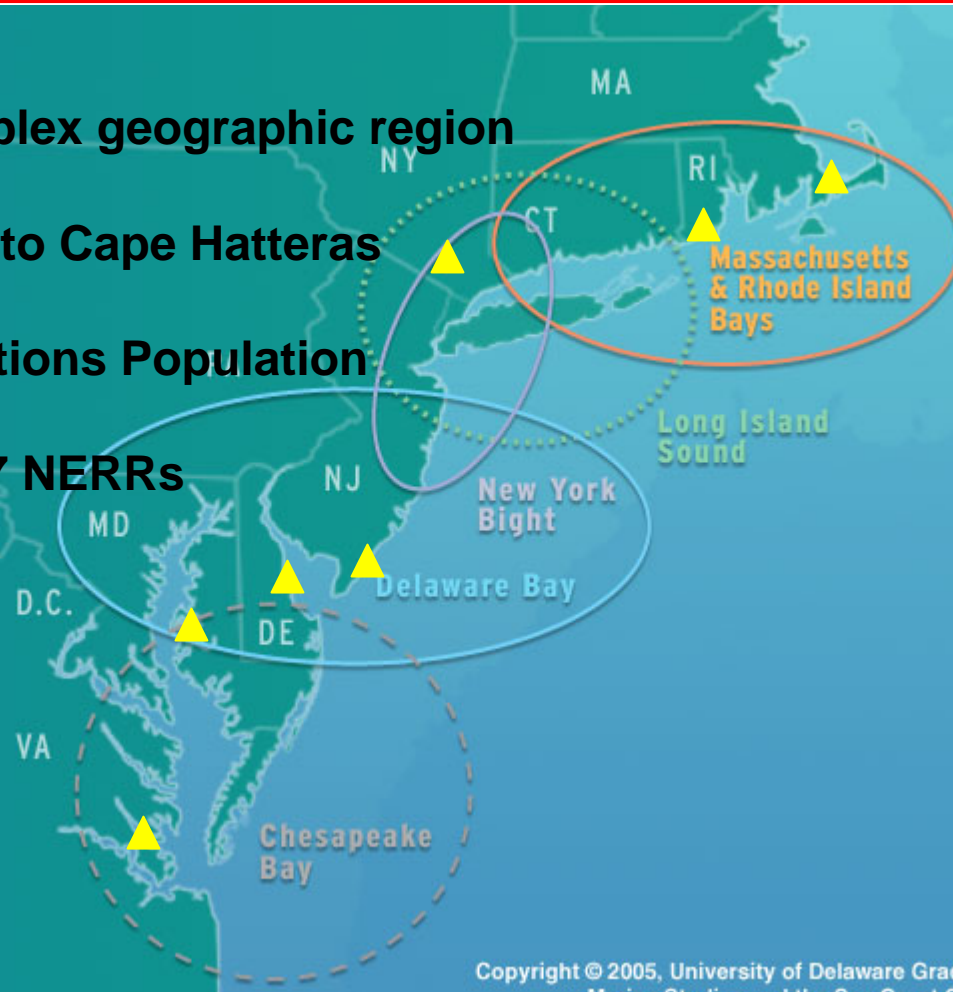


MACCOORA

Mid-Atlantic Coastal Ocean Observing Regional Association

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



MACCOORA

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

MACCOORA

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



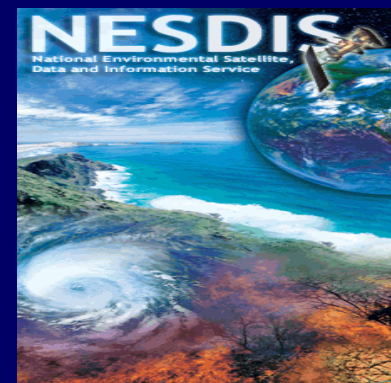
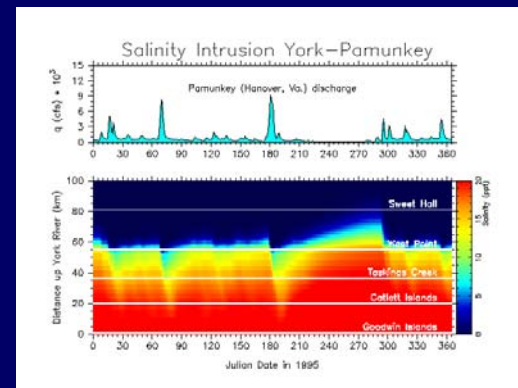
Part II. Pilot Projects

Ecosystem Health
Natural and Anthropogenic Forcings

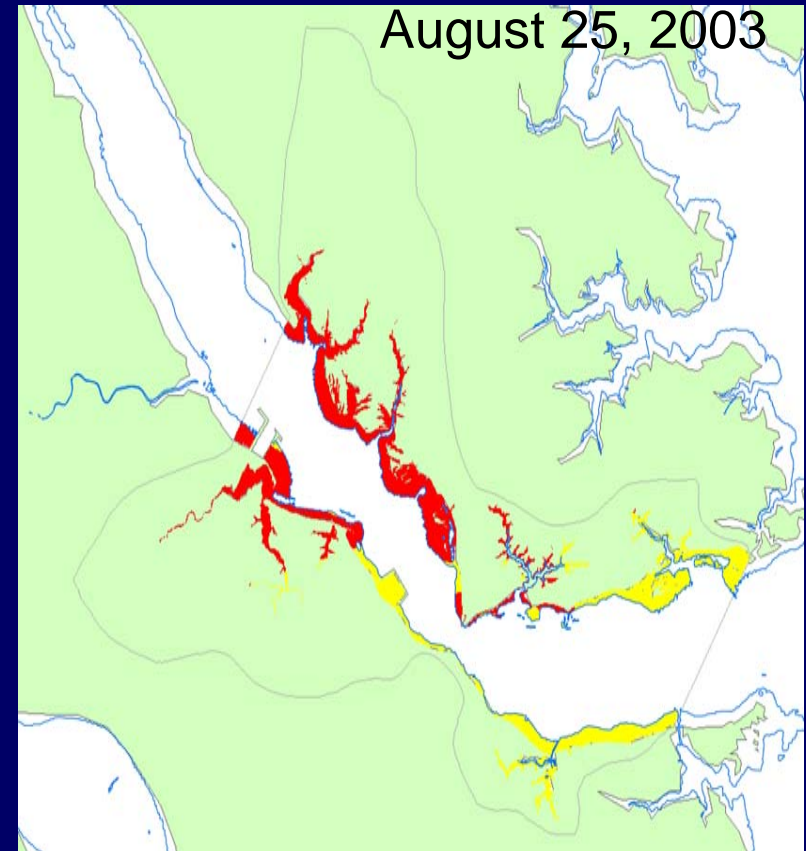
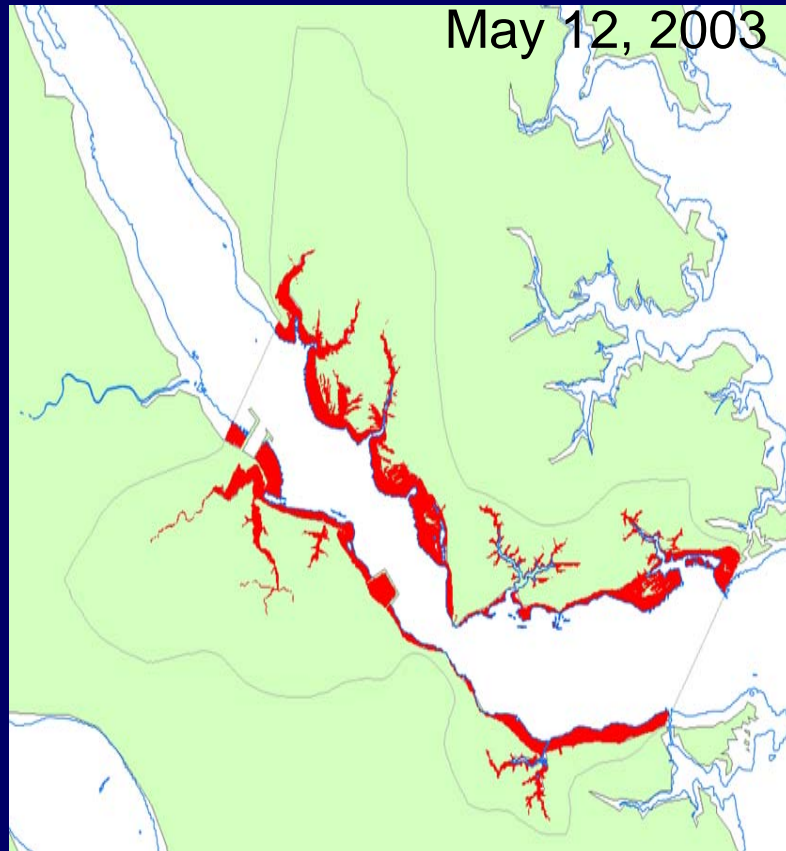
Part III. Data Management

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

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Address

VIMS **DEQ**
Chesapeake Bay National Estuarine Research Reserve in Virginia

VECOS

Resources

- Home
- Dataflow
- Continuous Monitoring
- Materials & Methods
- About The Research Teams
- Admin For Program Administrators Only

"Eyes On The Bay: Virginia is a multi-disciplinary monitoring effort to keep our fingers on the pulse of the Chesapeake Bay systems."

... Van Moore, PhD and Chief Scientist of Eyes On The Bay, Virginia

Virginia Estuarine and Coastal Observing System

Monitored Location
Click on map to view data

View Fixed Stations
 View Underway Coverage

The Big Picture

The newest Bay agreement, Chesapeake 2000: A Watershed Partnership, states that "improving water quality is the most critical element in the overall protection and restoration of the Chesapeake Bay and its tributaries" and further, it commits to "By 2010, correct the nutrient- and sediment-related problems in the Chesapeake Bay and its tidal tributaries sufficiently to remove the Bay and the tidal portions of its tributaries from the list of impaired waters under the Clean Water Act." In pursuit of this goal, the Bay partners agreed to "By 2003, the jurisdictions with tidal waters will use their best efforts to adopt new or revised water quality standards consistent with the defined water quality conditions."

EPA guidance on new water quality criteria for the Chesapeake Bay was published in April 2003. The development of these new water quality standards for turbidity (i.e. light attenuation), chlorophyll, and dissolved oxygen, have placed new requirements

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Underway : YRKPH

Data Date Selected: 11/15/2004
View Selected Date

Availability: 11/10/2004 - 10/12/2004 - 9/13/2004 - 8/16/2004
Download Data for 11/10/2004

Temperature

4.0 - 4.9	5.0 - 12.0	15.0 - 19.0	21.0 - 24.0	27.0 - 34.0
4.0 - 9.4	12.0 - 15.0	19.0 - 21.0	24.0 - 27.0	> 30.0

Lower York River Regional View

Return to Segmented View

YRKPH (+18 ppt) Lower York River Polyhaline The YRKPH segment extends across the mouth of the York River from

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Segment : YRKPH

Lower York River

The following are data collection events for this entire segment.

Station	Project	Description	Metadata
Lower York River	DFLO	YRKPH (Lower York River) - Initial cruise in May 2003. Cruises completed monthly from May to November 2003, March through November 2004, and cruises are scheduled monthly from March to November 2005 and will be available online as they occur.	Download
YR8895-48	OCAN	YRK005-40 - This VACEQ funded station was established May 20, 2003. Data is available at 15 minute intervals from May 20 through December 14, 2003 and from February 23 through November 30, 2004. The station was deployed on February 28, 2005 and data will be posted as it becomes available for 2005.	Download
YR8896-77	OCAN	YRK006-77 - This VACEQ funded station was established on July 2, 2003. Data is available at 15 minute intervals from July 2 through December 14, 2003 and from February 23 to November 30, 2004. There is a gap in the data from September 9 to October 16, 2003 as the station was destroyed by Hurricane Isabel. The station was deployed on February 28, 2005 and data will be posted as it becomes available for 2005.	Download

YRKPH (+18 ppt) Lower York River Polyhaline The YRKPH segment extends across the mouth of the York River from approximately west of Hog Island on the north shore and to west of Thorefare by Goodwin Island on the south shore. The segment extends up river just above Chestnut Annie at a boundary extending from Blundering Point, north of the mouth of Carter's Creek on the north

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VECOS

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Station : YRK005-40

Start Date: January 2003
End Date: January 2003

Displaying 1/1/2003 to 2/1/2003
View Selected Date(s) Download This Data

Lower York River Regional View

Return to Segmented View

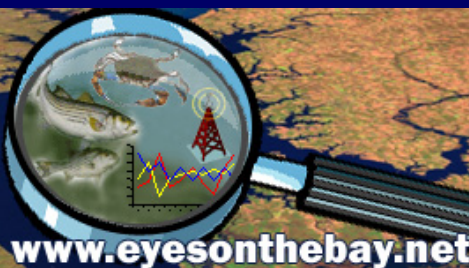
Water Temperature

Salinity

DO

Local Intranet

Eyes on the Bay



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.

Click Legend Symbols to Toggle Stations On/Off

 Fixed Monthly Stations - Current & Historical Data

 16 Real-Time Continuous Monitors

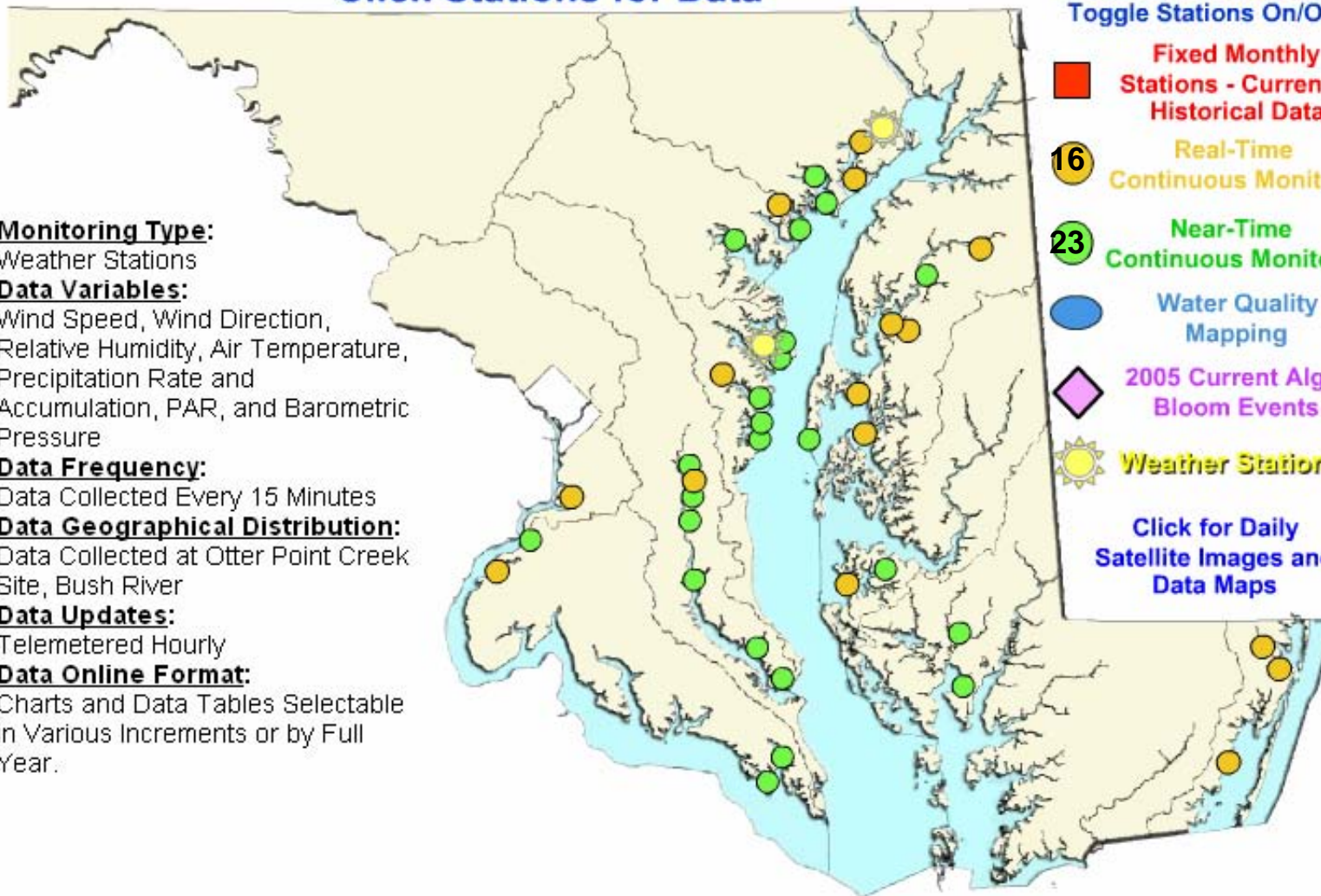
 23 Near-Time Continuous Monitors

 Water Quality Mapping

 2005 Current Algal Bloom Events

 Weather Stations

Click for Daily Satellite Images and Data Maps



[Home](#)[About the Project](#)[Tagging](#)[Habitat](#)[Fishes of Great Bay](#)[Teachers](#)[Kids](#)[Adopt A Fish](#)[Glossary](#)[Related Links](#)

StriperTracker.org

Scientists from the Rutgers University Marine Field Station are trying to better understand the coastal migration of striped bass. The study area includes the Mullica River/Great Bay estuary, the southern end of Barneget Bay, and the coastal ocean outside of Little Egg Inlet off Tuckerton, New Jersey.

Check out the [Scientist's Log Book](#).

[Click here](#) to see all of the adopted fish so far!

VIEW PAST AND PRESENT MOVEMENTS:



Select a buoy:

Buoy 1. Little Egg Harbor Inlet

Go



Click here to tag and track your own virtual striped bass!

FISH: One or more of the same species
FISHES: More than one of varied species



ADOPT-A-FISH
 Click here to find out how your fishing club or K-12 class can adopt a striped bass and monitor it over the web!

This project is funded by NOAA



- 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





MAP
of
YU



CBOOS

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.

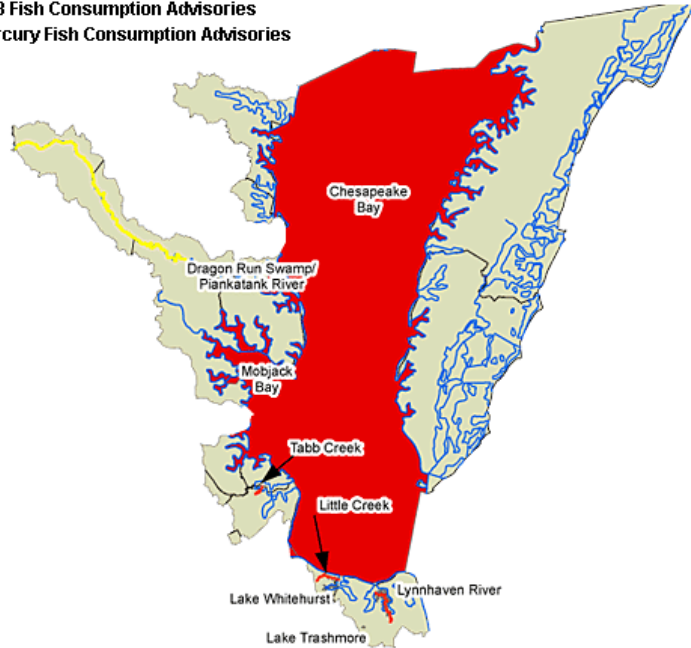


NATIONAL ATMOSPHERIC DEPOSITION PROGRAM

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

Weather Opportunities

- PCB Fish Consumption Advisories
- Mercury Fish Consumption Advisories



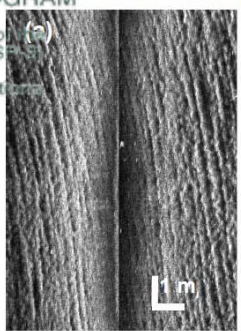


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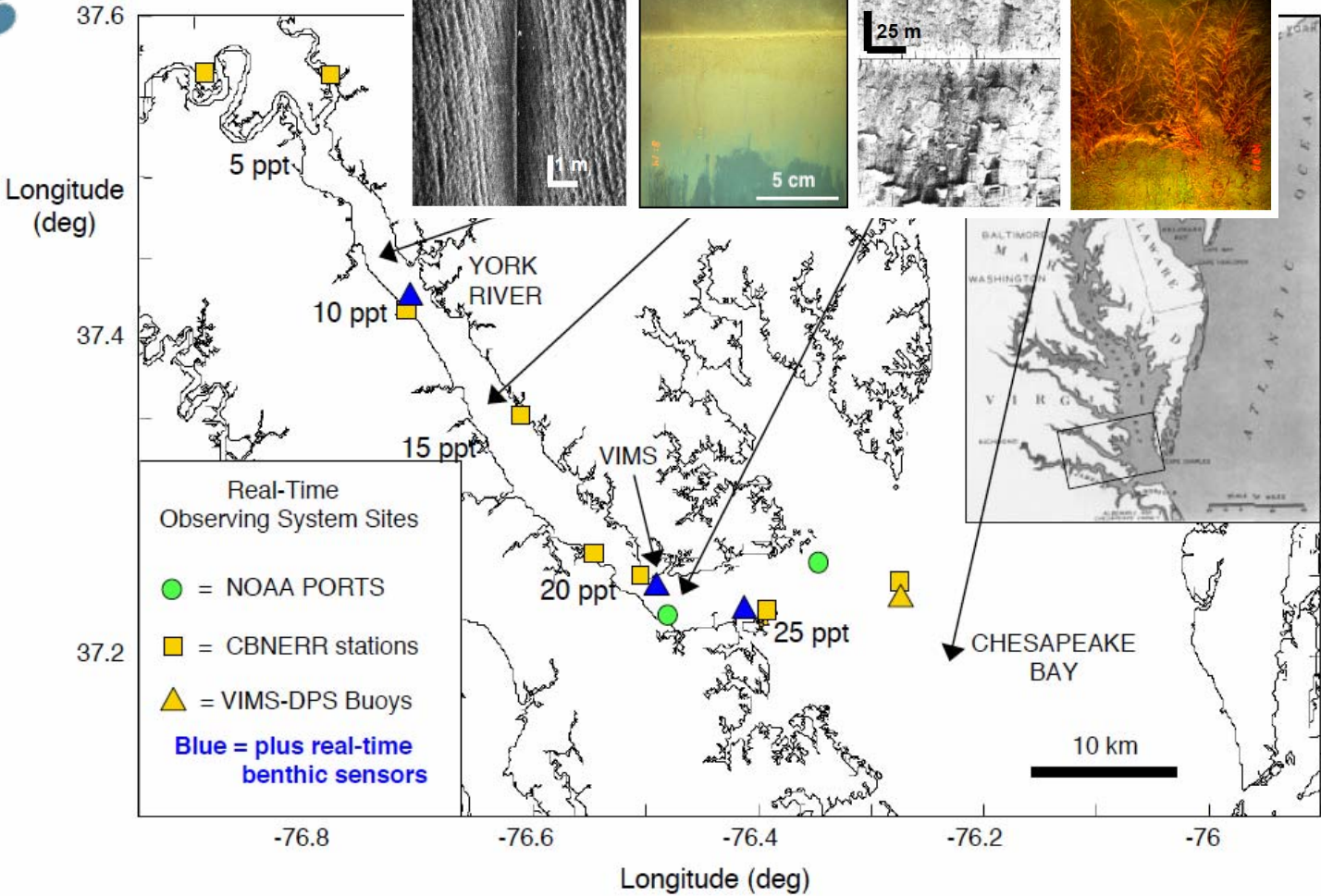
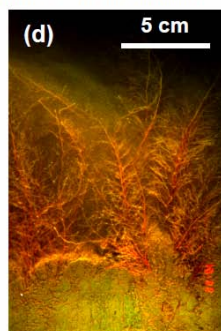
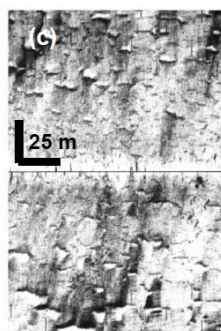
NATIONAL ATMOSPHERIC DEPOSITION PROGRAM

A Cooperative Research Support Program of State Agricultural Experiment Stations (NRES), Federal and State Agencies and Non-Governmental Research Organizations

Upper York physically dominated sidescan and photo



Lower York biologically dominated sidescan and photo

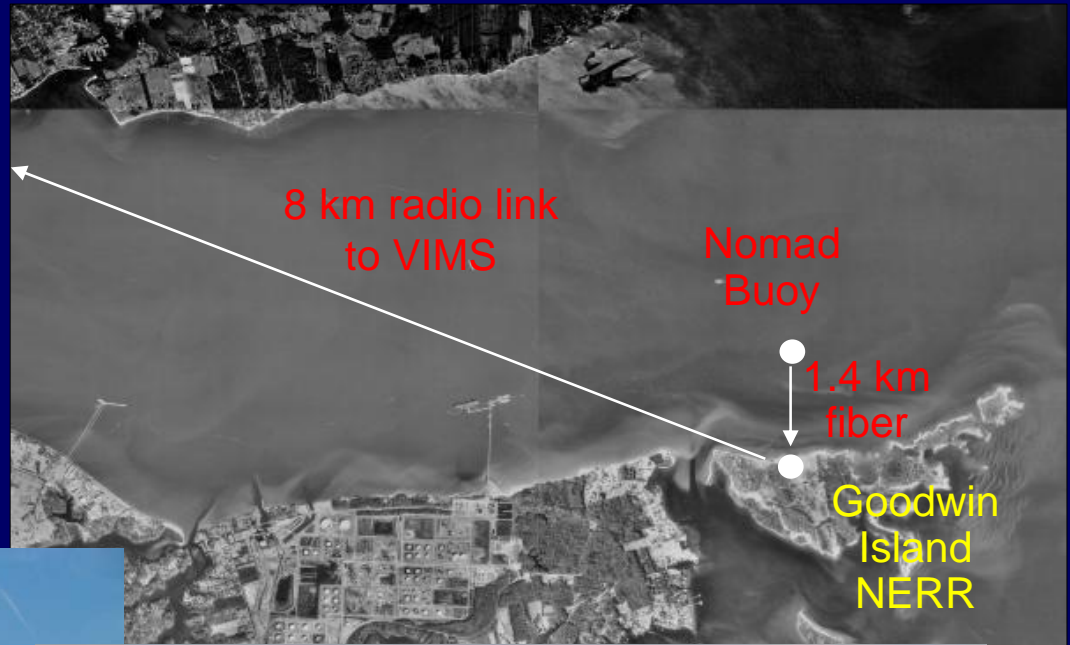


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VIMS
VIRGINIA INSTITUTE OF MARINE SCIENCE
SCHOOL OF MARINE SCIENCE



Chesapeake Bay
National Estuarine
Research Reserve



USGS

