

**NOAA**  
**FISHERIES**

NOAA  
Chesapeake  
Bay Office

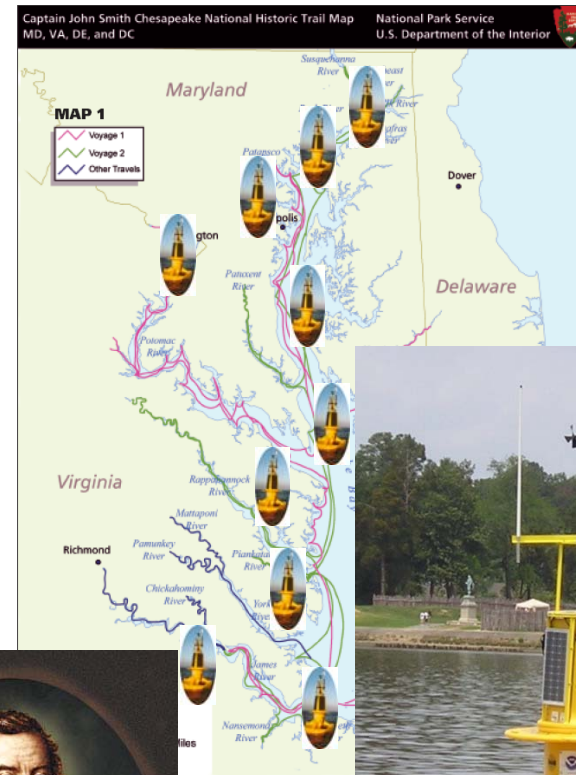
# NOAA Chesapeake Bay Interpretive Buoy System

How Buoy Data Can Support Your Fishing

June 2014

# Welcome to CBIBS

- NOAA CBIBS “smart buoys” connect you with the Bay.
- 11 locations update observations every 10 minutes.
- The buoys also mark points along the Captain John Smith Chesapeake National Historic Trail.

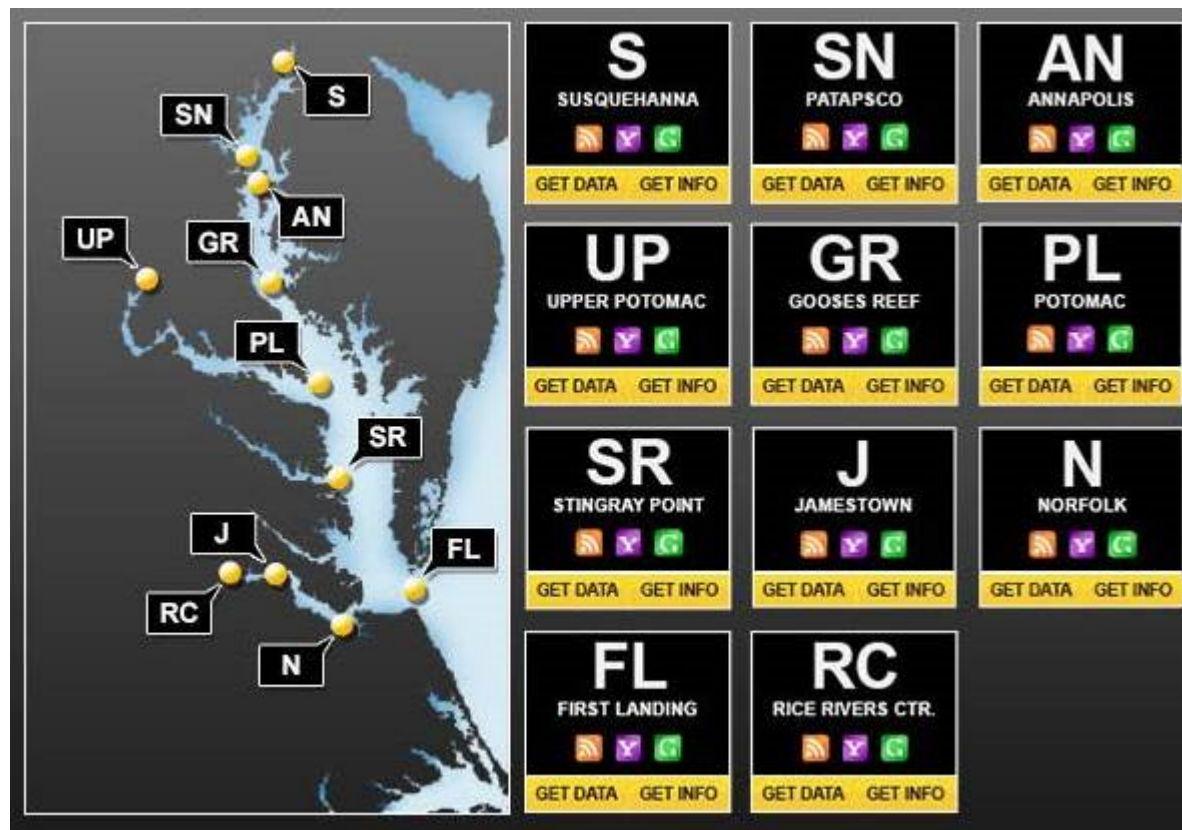


# What Does CBIBS Track?

- **Weather:** wind speed and direction, air temperature, barometric pressure, humidity, etc.
- **Water conditions:** wave height, current speed and direction
- **Water quality:** water temperature, dissolved oxygen, salinity, turbidity



# Where Are the Buoys?



# Where Are the Buoys?

- Most buoys are located in open-water areas of the Bay; their observations are unimpeded by land and buildings.



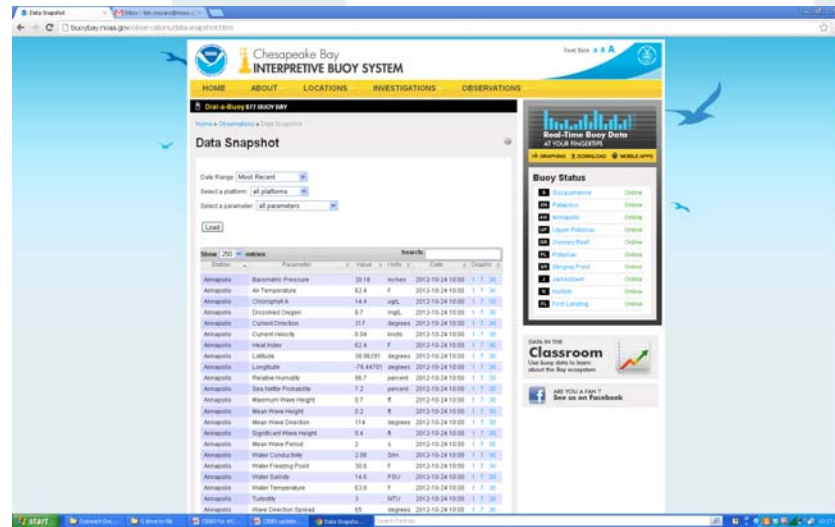
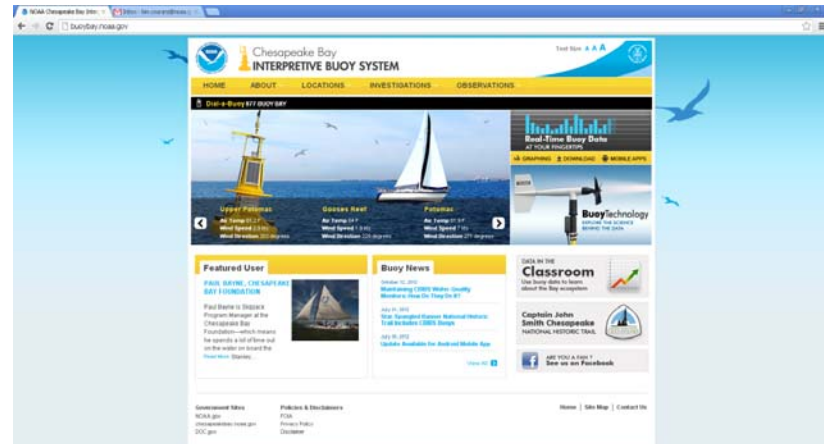


# How Can I Get This Information?

- [www.buoybay.noaa.gov](http://www.buoybay.noaa.gov)
- 877-BUOY-BAY (877-286-9229)
- Free apps for smartphones
- CBIBS on Facebook



Annapolis (2010-06-09 02:40)	
Meteorological/Wind	
Air pressure	30.0 in
Air temperature	69.9 F
Relative humidity	62.2%
Wind direction	SW
Wind speed	16.5 kt
Wind gust	20.4 kt
Water Quality	
Chlorophyll	5 ug/L

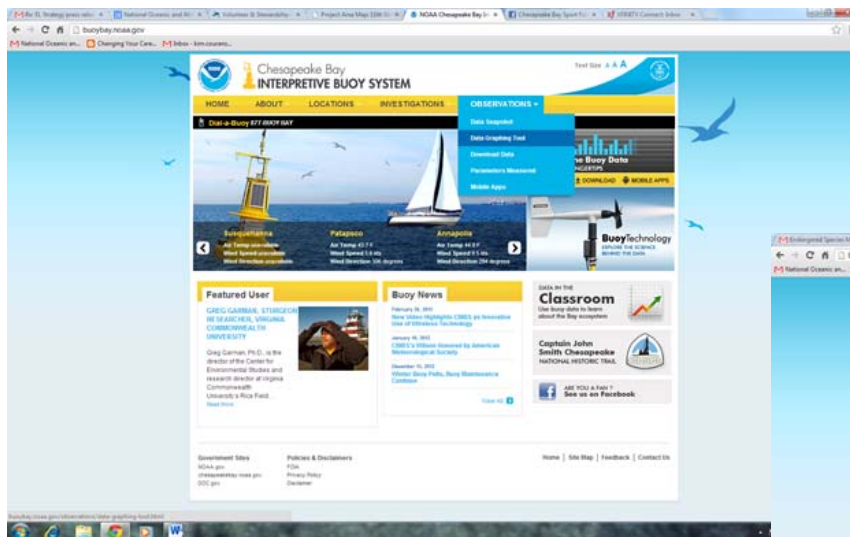


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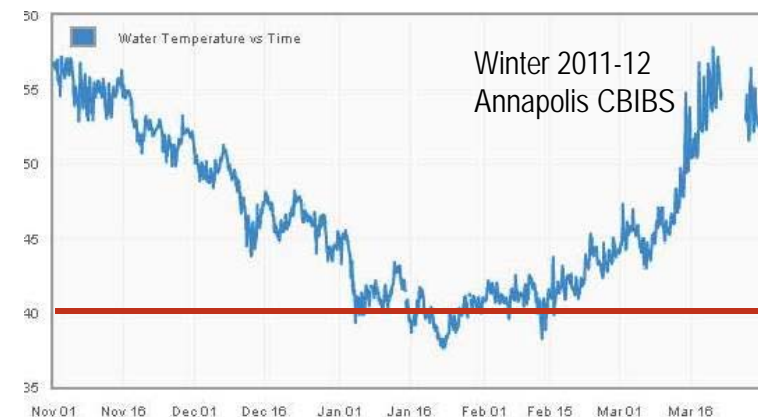
# How Do I Create Graphs?

- Quick Graphs and Data Graphing Tool via [www.buoybay.noaa.gov](http://www.buoybay.noaa.gov)



# What Can These Graphs Tell Me?

- Overwinter water temperatures can affect the spring season. These graphs show overwinter water temperature (November 1-March 31) in recent years.





# What's Coming for 2014? A Look at This Winter...

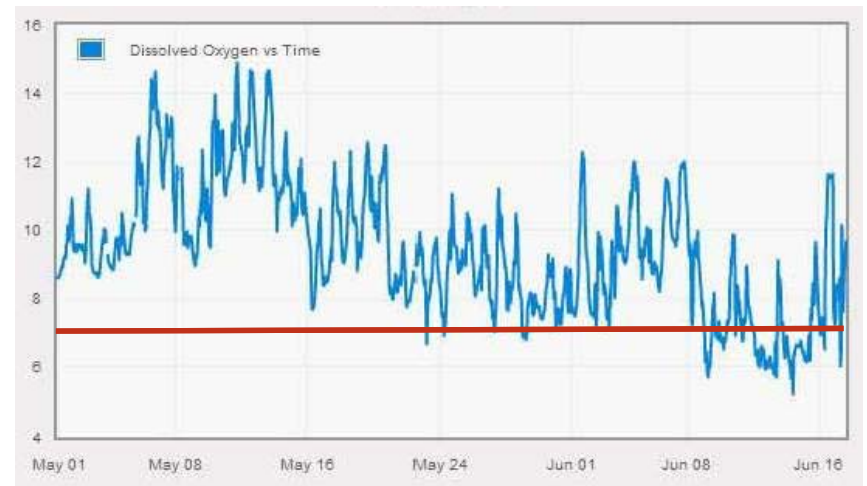
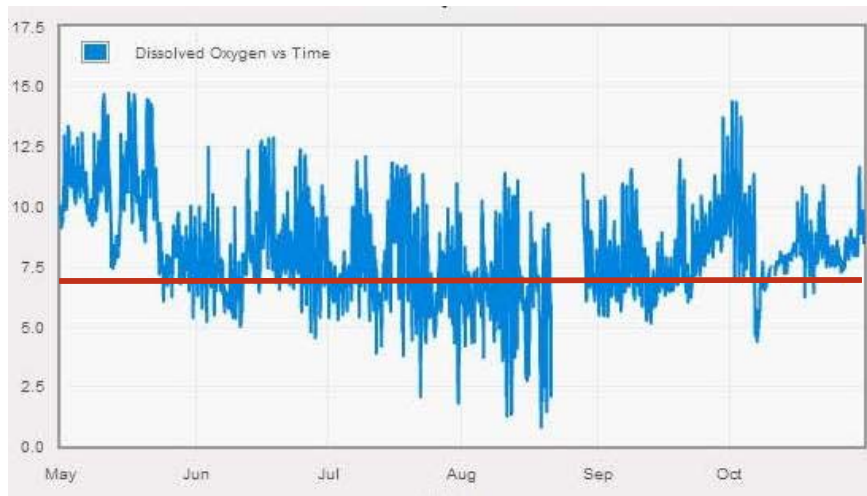
- Water Temperature, Patapsco CBIBS buoy, November 1-June 17, 2014



# What's Coming for 2014? Past trends...

- Dissolved oxygen at Patapsco CBIBS buoy

May-October 2012



# We're Here to Help!

- With any questions, feel free to contact us.
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410-267-5673

