

# State of the Bays 2014

5 year assessment through 2009-2014

# Chapters similar to 2004 report

- MCB Introduction/ History
- Stream Health
- Water Quality
- Sediment contamination
- Habitat
- Harmful Algae
- Living Resources
- **Ocean**
- Ecosystem Health Index

# Introduction to the Coastal Bays

Ecosystem Assessment		
Ecosystem	Dennison, Wazniak, jano, mcollough	Tim Carruthers
History/timeline	Carol x2	Wells, Matt hall?, roman
<b>Climate Change</b>	<b>Nemazie/Johnson</b>	Karrh, McCall, McLaughlin, Wicks

# Stream Health

Benthic trends	Freidman	Boward, roman
Stream nitrate	Cain/ Wazniak	McCollough, boward, Fisher or R. Fox
Benthic IBI	Boward	Roman
Fish IBI	Boward	Mcginty?, roman

# Water Quality

Nutrients	Wazniak/McCollough/ Sturgis, Cain	Brush, harris, Glibert
Chlorophyll	Sturgis/Wazniak/McC ollough, Cain	Brush, harris
Dissolved Oxygen	McCollough/Sturgis/W azniak, Cain	Brush, harris, R. Tyler?
Benthic Chlorophyll	Wazniak	Tim Carruthers
Water Quality Index	Wazniak	

# Sediment Contamination

Section 5

## National Coastal Assessment Data only

2006, 2010- limited sites in coastal bays

TOC	Wells	Not collected in 2010!
Sed Cont AET and ER-Ls	Wells	Jeff c?, MDE??, Ishaque (UMES)
Toxicity	Wazniak	Dennison...

# Habitat

EHA 6.1

Seagrass	Wazniak/Karrh	Dennison
Seagrass habitat	Golden/Wazniak/ Sturgis	Dennison
Macroalgae	Wiley	Judy, karen McGlathery
Wetlands	McLaughlin/ Clearwater	Chris Spaur, Wilson, Roman, Steve Strano (NRCS)
Shoreline		Keota, GIS

# Harmful Algae Blooms

Brown Tide	Wazniak	Glibert, Pitula
HABs	Wazniak	Glibert, Pitula, Judy
<b>Vibrio</b>	<b>Jacobs</b>	<b>Kristi Shaw, Parveen (UMES), AK-intern help?, DHMH?</b>



# Living resources - phytoplankton

Phytoplankton	Wazniak/Wolney	Glibert, Judy
Finfish	Kennedy/Doctor	Bob Murphy, Roman
Fishkills	Luckett/Poukish	Roman
Shellfish	Tarnowski	Carol, Don Webster, Roman
Benthic	Wazniak/Llanso	Roman
Bluecrabs	Barker	Pitula, Brad Stevens
Horseshoe crabs	Doctor/ Cain	Roman
Piping plover	Jack Kumer	Tami Pearl
<b>Waterbirds</b>	McCollough	Roman, Wilson
<b>Invasive species</b>		

# Ocean

<b>Ocean water quality</b>	Wazniak/Oneil	
<b>Ocean phytoplankton</b>	Wazniak/Oneil/ Wolney	
<b>Ocean Acidification</b>	?	Bill checking on a name for CBP alkalinification? Glibert/Oneil

# Ecosystem Health Index

EHI	Wazniak/ Dennison	Carruthers, McCollough, roman
Climate index	Wicks	CBP panel, CZM