

# Chesapeake Bay Monitoring Realignment

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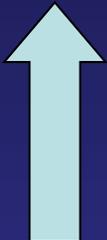
# Chesapeake Bay Program Bay/Basin Monitoring Network update

- Recent past
- Present
- Near Future
- Lessons Learned

# The Recent Past 2007-Nov 10, 2010

2007  
Budget  
Steering  
Committee

*In response to the 2007 CBP Budget Steering Committee, by January 2008, there was a \$685,000 CBP budget adjustment \$123,000 was from CBP Monitoring analyst-related support.*



# The Recent Past 2007-Nov 10, 2010

2007  
Budget  
Steering  
Committee

*In response to the 2007 CBP Budget Steering Committee for a way forward to realign funding in the Bay including Monitoring funding (about \$1M), a MASC proposal was developed for a STAC Review guidance to the monitoring program realignment.*



**2007-08  
MASC  
Proposal  
To STAC.  
Accepted  
March 2008**

**A Proposal to STAC Regarding an Independent Review of the Structure, Function and Efficiency of the Chesapeake Bay Basin-wide Monitoring Program:**

**Request for Recommending CBP Funded Monitoring Program Modifications and Identifying Implications for the Partnership.**

**February 2008**

# The Recent Past 2007-Nov 10, 2010

2007  
Budget  
Steering  
Committee

2008-09  
STAC  
Workshops  
I,II,III



**STAC Review of CBP Monitoring (2008)** asked senior managers what are key information needs and are they getting what they need.

## **STAC Workshop Findings:**

- Delisting the tidal segments of the Bay, and
- determining the effectiveness of management actions in the watershed should be the priorities of the CBP funded monitoring programs.
- *The current allocation of monitoring resources does not reflect these priorities.*
- *There should be some rebalancing.*

2007-08  
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# The Recent Past 2007-Nov 10, 2010

2007  
Budget  
Steering  
Committee

2008-09  
STAC  
Workshops  
I,II,III

2009  
Monitoring  
Realignment  
Action Team

- CBP monitoring team developed and presented options for “rebalancing”.

- The CBP Management Board accepted STAC findings but wanted more information about options.



2007-08  
MASC  
Proposal  
To STAC

March 2009  
Rebalancing Options  
presentation  
to the new  
CBP Management  
Board



# The Recent Past 2007-Nov 10, 2010



## **MD Politics Watch**

### **State Budget Crisis Will Get Worse Before it Gets Better**

**June 29, 2009**

**New Fiscal Year Brings Painful Spending Cuts, Continued Budget Gaps In Almost Every State**

**MD November 2009**

**Recession Continues to Batter State Budgets; State Responses Could Slow Recovery**

**Roanoke Times 2009**

**Virginia's looming budget crisis**

2007-08  
MASC  
Proposal  
To STAC

2009  
March  
Options  
presentation

2009  
State  
Budget  
issues

# The Recent Past 2007-Nov 10, 2010

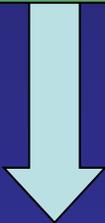
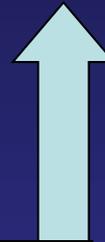
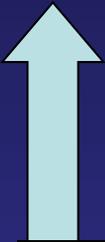
2007  
Budget  
Steering  
Committee

2008-09  
STAC  
Workshops  
I,II,III

2009  
Monitoring  
Realignment  
Action Team



Revised  
Options/  
Management  
Board decisions



2007-08  
MASC  
Proposal  
To STAC

2009  
March  
Options  
presentation

2009  
State  
Budget  
issues



# The Present

USEPA + State Match Monitoring Program Elements (Water Quality)	2009 State changes	<i>2009 Realignment Mgt Board Decision 1</i>
Mainstem/Tidal tribs	VA reduced Eliz River stations	
SAV	---	
Shallow water	Reduced	
Phytoplankton	MD program eliminated VA continues	
Benthic	MD cut spring sampling	
Ecosystem Processes	Reduced	
River Input	---	
Watershed	117d in progress	

**- \$472K**

USEPA + State Match Monitoring Program Elements (Water Quality)	2009 State changes	2009 Realignment Mgt Board Decision 1
Mainstem/Tidal tribs	VA reduced Eliz River stations	MD adjusts from 16 cruises to 14 (- \$34K)  MD adjusts (- \$100K)       + \$134K to Watershed Monitoring Priorities
SAV	---	
Shallow water	Reduced	
Phytoplankton	MD program eliminated VA continues	
Benthic	MD cut spring sampling	
Ecosystem Processes	Reduced	
River Input	---	
Watershed	117d in progress	

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# The Near Future

## The Future: Management Board Decision #2.

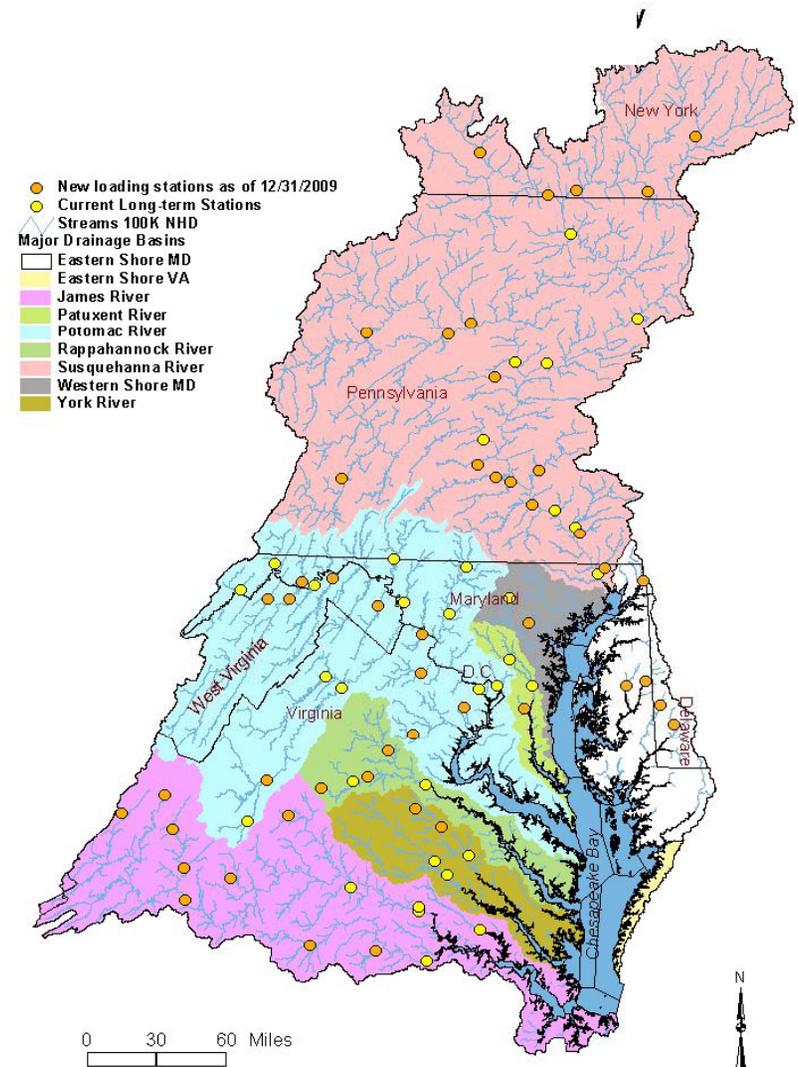
#2. The first \$1M of new resources will be used to address watershed priorities.

### Watershed MRAT Team Report

#### 1) Maintain existing network, then:

- A. Stewardship of data from maturing watershed network sites.
- B. Documenting Water Quality change with annual trend updates.
- C. Additional priorities outlined by the Watershed group in the Monitoring Realignment work.

Current and future Watershed Network Water Quality Monitoring sites where loads can be calculated within the Chesapeake Bay Basin



# What are those watershed priorities?

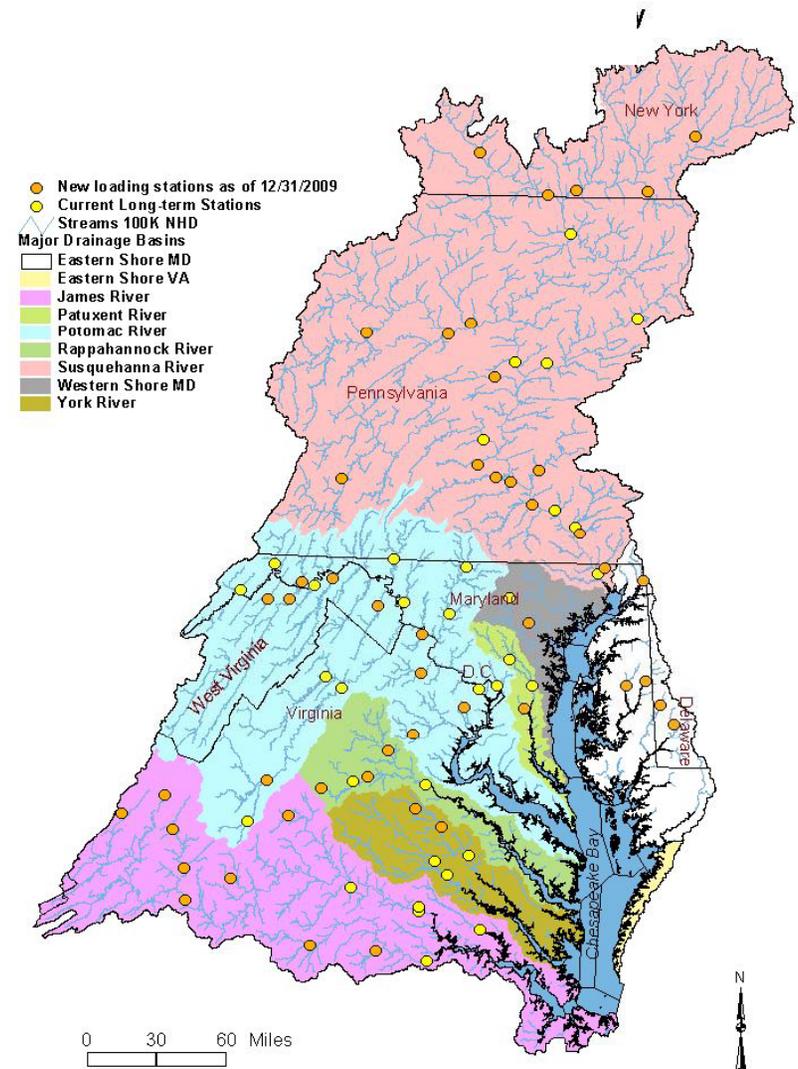
- Table 1 (highest priority for funding)
  - Data mgmt and analysis of existing long term monitoring network. **\$300k**
  - Three new small watershed monitoring stations **\$435k**
  - Analysis / synthesis of existing small watershed studies **\$535k**
  - Initial investment to document and assemble historical info for complete description of watershed activities **\$606k**
  - Larger investment to document and assemble historical info for complete description of watershed activities **\$807k**
  - Add five more small watershed monitoring stations **\$1,032k**
  - Provide support to partner monitoring **\$1,057k**

## The Future: Management Board Decision #2 and #3.

#2. The first \$1M of new resources will be used to address watershed priorities.

#3. Beyond the next \$1M will be further reviewed discussed.

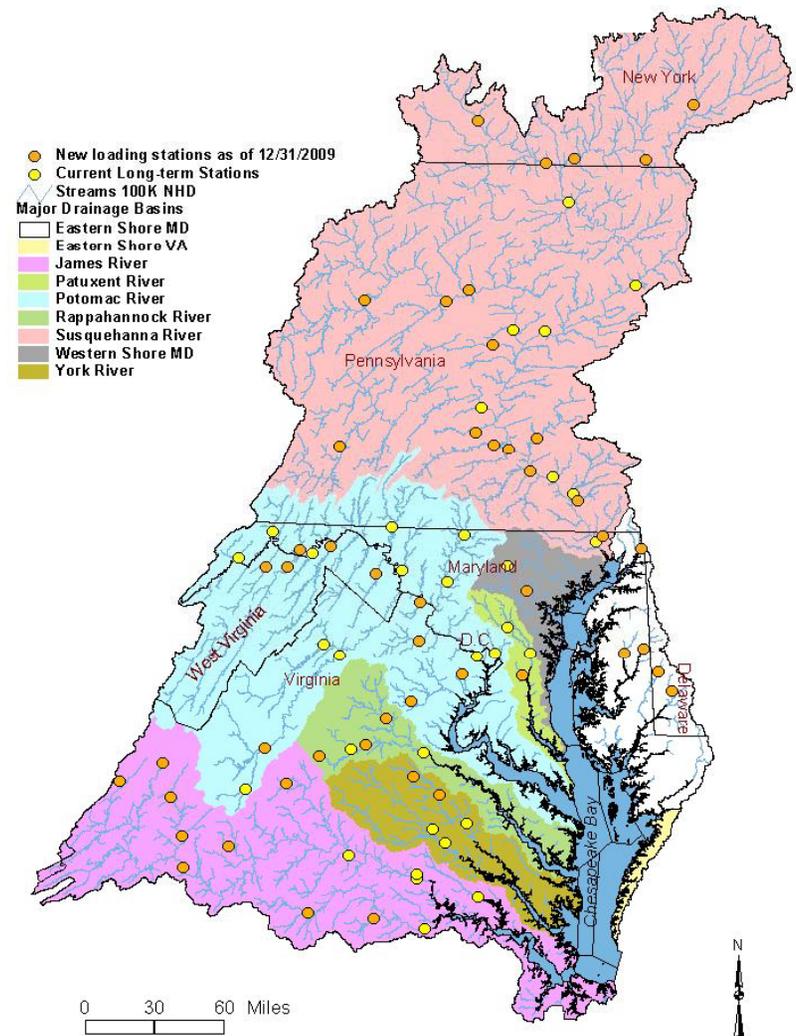
Current and future Watershed Network Water Quality Monitoring sites where loads can be calculated within the Chesapeake Bay Basin



Current and future Watershed Network Water Quality Monitoring sites where loads can be calculated within the Chesapeake Bay Basin

What are the potential new Federal Financial resources?

- 1) CBPO Budget line item for monitoring
- 2) Cardin Bill
- 3) Executive Order response
- 4) (Farm Bill: \$188M over 4 yrs)



# Lessons Learned/Next Steps

- Senior Managers indicated our monitoring program was not providing them with the information they needed.
  - Multiple reasons here:
    - We need to refocus our work endpoints with Scientific Communication in mind.
    - Monitoring Gaps – Assessing management effectiveness requires land use history that we don't have.
    - Data Maturity – Our watershed network is young.

# Lessons Learned/Next Steps

- MRAT Partnership Team.
  - There are nearly 300 monitoring programs that were accounted for across the Bay and the watershed.
  - Partnerships do not come free.
  - Standards and protocols are needed for guiding those partnerships.

# Lessons Learned

- MRAT Optimization Team.
  - Programs that are unified in their approach across jurisdictional boundaries had the strongest support. (e.g. SAV, Tidal Benthic programs, tidal long term water quality network).
  - In this case, programs with proven support to regulatory needs had the strongest support.

# Thank you

CBPO Staff (especially Jeni, Katie, Jackie, MEL, Jake, Mike)

Chesapeake Bay Management Community

Chesapeake Bay Monitoring Community

Chesapeake Bay Academic Community

MRAT Co-chairs Carlton Haywood and Denice Wardrop

MRAT Synthesis Team

CBPO Management Board

