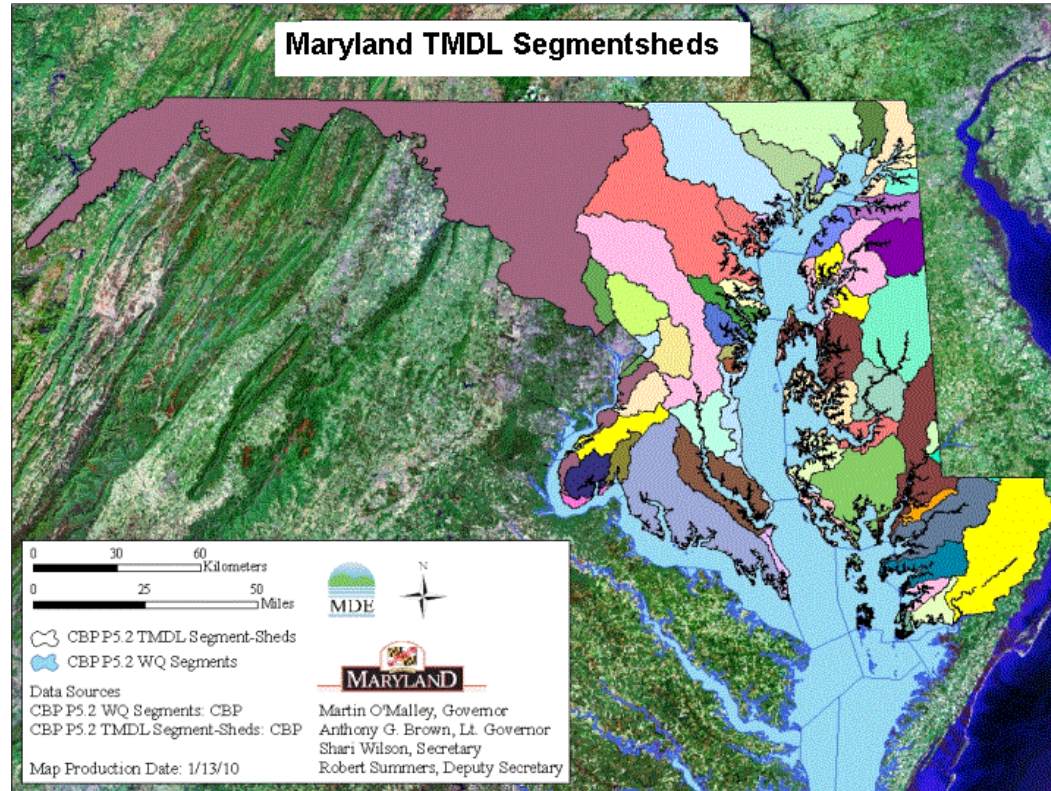


# Phase II WIP Informational Meetings



**February 7, 2012**

# Acknowledgments

The Bay Cabinet expresses its appreciation to the Town Creek Foundation for providing funding to the Harry R. Hughes Center for Agro-Ecology, and to the Agro-Ecology Center for setting up and facilitating these public meetings.

# Quick Review

## Main Concepts of a TMDL:

- TMDL: Maximum amount of pollutant that can be received by a water body and still meet standards.
- $TMDL = WLA + LA + MOS$ 
  - WLA: Sources with Permits (point sources)
  - LA: Sources without Permits (nonpoint sources)
  - MOS: Margin of Safety, protective of environment.

# Quick Review

- Federal “Accountability Framework”
  - Clean Water Act: Bay TMDL and generally greater regulatory influence
  - Watershed Implementation Plans
  - Tracking & Evaluating Progress
  - 2-Year Implementation Milestones
  - Federal “Consequences”

# Quick Review

- Most likely consequences. EPA can:
  - Object to NPDES permits to require additional reductions from point sources;
  - Expand NPDES permit coverage to currently unregulated sources;
  - Increase and target federal enforcement and compliance assurance; and
  - Enhanced oversight of state programs.

# Overview of Phase II Process

- Set up Local Teams to increase local engagement -  
DONE
- Orientation to MAST – DONE
- Finalize 2-yr Milestones – DONE Jan.6
- Develop 2017 and 2025 strategies with local input  
for public review – DONE Jan. 26
- **Public Review & Revision WIP**  
**(Jan. – Mar. 9, 2012)**

# What is in the WIP?

- Four sections
  - Section I
    - 2017 & 2025 Target Loads (N, P, Sediment)
      - Statewide
      - By Sector
      - By Basin (Appendix)
    - Strategies to Meet Targets
    - Milestones
    - Accounting for Growth in Loads
    - Cost and funding

# What is in the WIP?

- Section II
  - Engagement with local jurisdictions and sectors
  - Meetings and other interactions
  - State and Federal partners
  - MAST BMP analysis tool
- Section III: Link to Local contributions
- Section IV: Future steps



# What is in the WIP?

- Appendices
  - A: Interim strategy goals
  - B: BMPs and strategy results by basin and sector
  - C: Cost Estimate and Funding Details
  - D: Federal facility contributions
  - E: State agency Phase II contributions
  - F: Final Target Loads for Major Facilities
  - G: NPDES dischargers
  - H: Meeting Required Water Quality Response

# WIP Focus - Pace

- WIP focuses on achieving 60% of required implementation by 2017.
- Revised from 70%.
- We are on pace overall because of the ENR upgrades
- Expectation is for progress in all nonpoint source sectors to meet the assigned allocations.

# WIP Focus - Scale

- WIP documentation will be presented to EPA and the public at the scale of **five major basins**: Potomac, Patuxent, Susquehanna, Western Shore and Eastern Shore.
- However, strategies were developed at the county scale and we will continue to work at the county scale with local jurisdictions.

- Policy and implementation plan still in preparation.
- Will evaluate legislative response to Task Force recommendations before finalizing policy.
- Offsets for growth and future loads can aid in implementing stormwater retrofits and septic upgrades. – This is not the same as trading to reduce costs.

# Filling the Gap

- Some counties did not submit strategies, others did not meet the target load.
- Strategy for filling the gap to 2025: in priority order add:
  - Anything required by permit.
  - Broad programmatic and cost effective controls, e.g., urban nutrient management.
  - Additional BMPs based on the same approach as that used for creating the allocations.

# Bottom Line

## Reductions needed by 2025

	Pound Reduction From 2010 (Millions of lbs)	Percent Reduction From 2010
Nitrogen	11.60	22.0
Phosphorus	0.49	14.9
Sediment	26.00	1.9

# Future Steps

- Refinements to local plans will be accommodated through June, 2012.
- Subsequent changes will be incorporated through an adaptive management process.
- Tracking and reporting: MDE will work with local jurisdictions quarterly (tentative) to assure that progress is being made and reported at an appropriate pace.
- Improvements to land use and septics data, added to model improvements by 2017, will make planning more accurate.

# Phase II WIP Schedule

January 6, 2012	Final State 2013 Milestones submitted to EPA
January 25 – March 9	Public Comment Period for Revised Draft Phase II WIP
March 30 – June 30	Local teams may continue to refine local Phase II Plans and FY13 Milestones by providing comments on EPA’s proposed TMDL. Teams are encouraged to conduct reviews of revised plans by public and by local elected officials.
July 2	Local submittal of final Phase II Plans and FY13 Milestones to MDE. MDE will publish all plans on the State webpage.