



Chesapeake Bay Policy in Virginia - TMDL, Milestones and the Chesapeake Bay Watershed Agreement

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Chesapeake Bay TMDL Planning Framework

- ✓ 2010 - Chesapeake Bay TMDL and Phase I WIP
- ✓ 2012 - Phase II WIP
- ✓ 2012-2013 Milestones
- ◎ 2014-2015 Milestones
 - 2016-2017 Milestones
 - 2017 Mid-point Assessment (60% of reductions)
 - 2018 Phase III WIP
 - 2018-2019 Milestones
 - 2020-2021 Milestones
 - 2022-2023 Milestones
 - 2024-2025 Milestones
 - 2025 Full Implementation Target



Watershed Implementation Plan (WIP)

Phase I WIP: Highlights

- Proposed a broad expansion of the existing nutrient credit exchange
- Ongoing implementation of Watershed General Permit
- Plan for the James River for additional study of the current chlorophyll standard and special schedule for James River facilities in Appendix X of the TMDL
- Widespread implementation of resource management plans and BMPs on agricultural land
- Improvements to stormwater regulations and permitting
- Improved accounting of voluntary practices



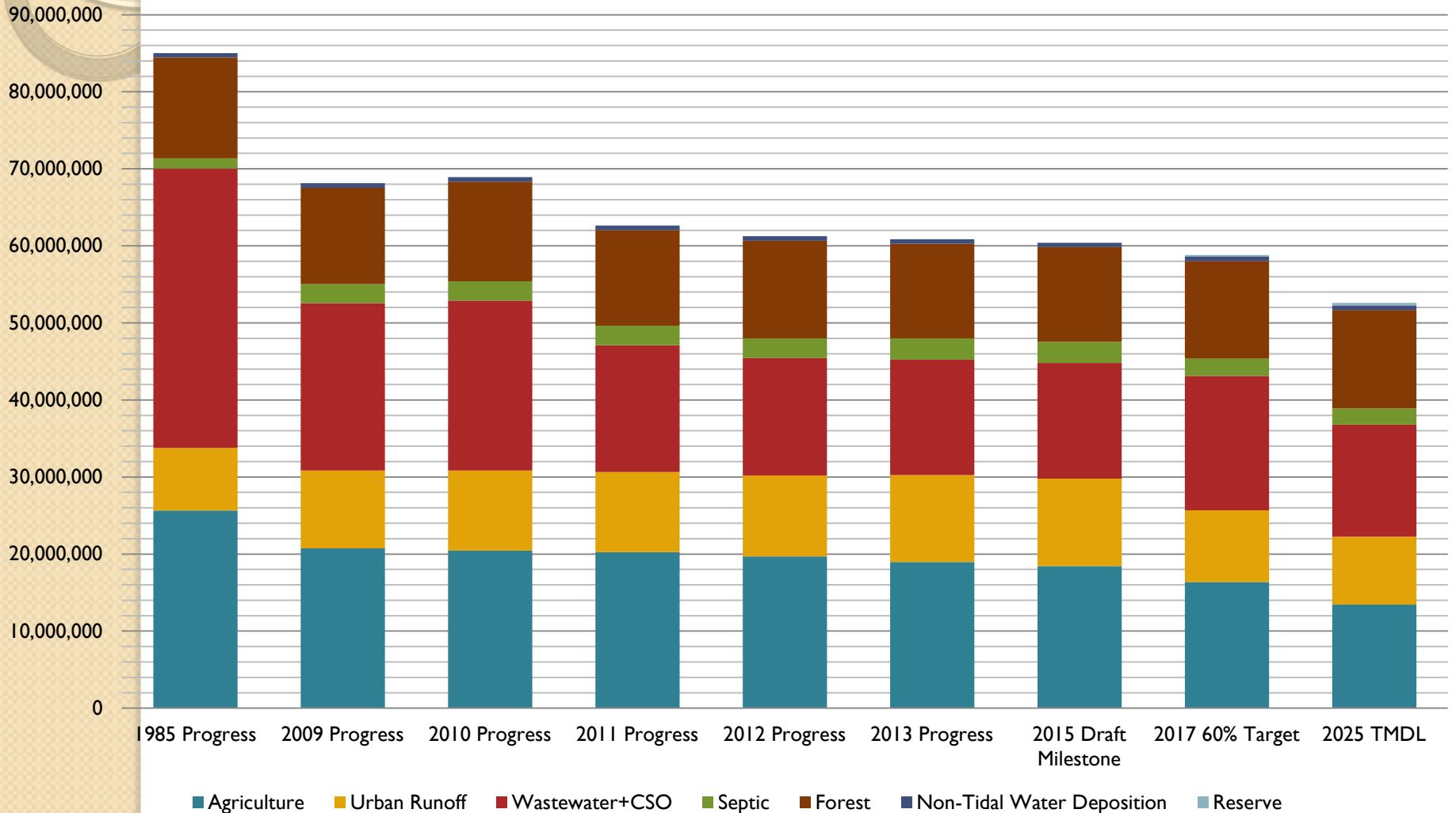
Watershed Implementation Plan (WIP)

Phase II WIP: Highlights

- Further divide final Bay TMDL allocations for 39 segments into local area targets
- Work with local elected officials, staff, conservation districts, watershed associations and citizens to identify strategies to be implemented to reduce delivered loads to the Bay
- Provide additional detail on programs, technologies, and practices to implement by 2017
- Include updates resulting from revisions to the Watershed Model v5.3.2.
- Include specific programs and practices in the first 2-year milestones (2012-2013)

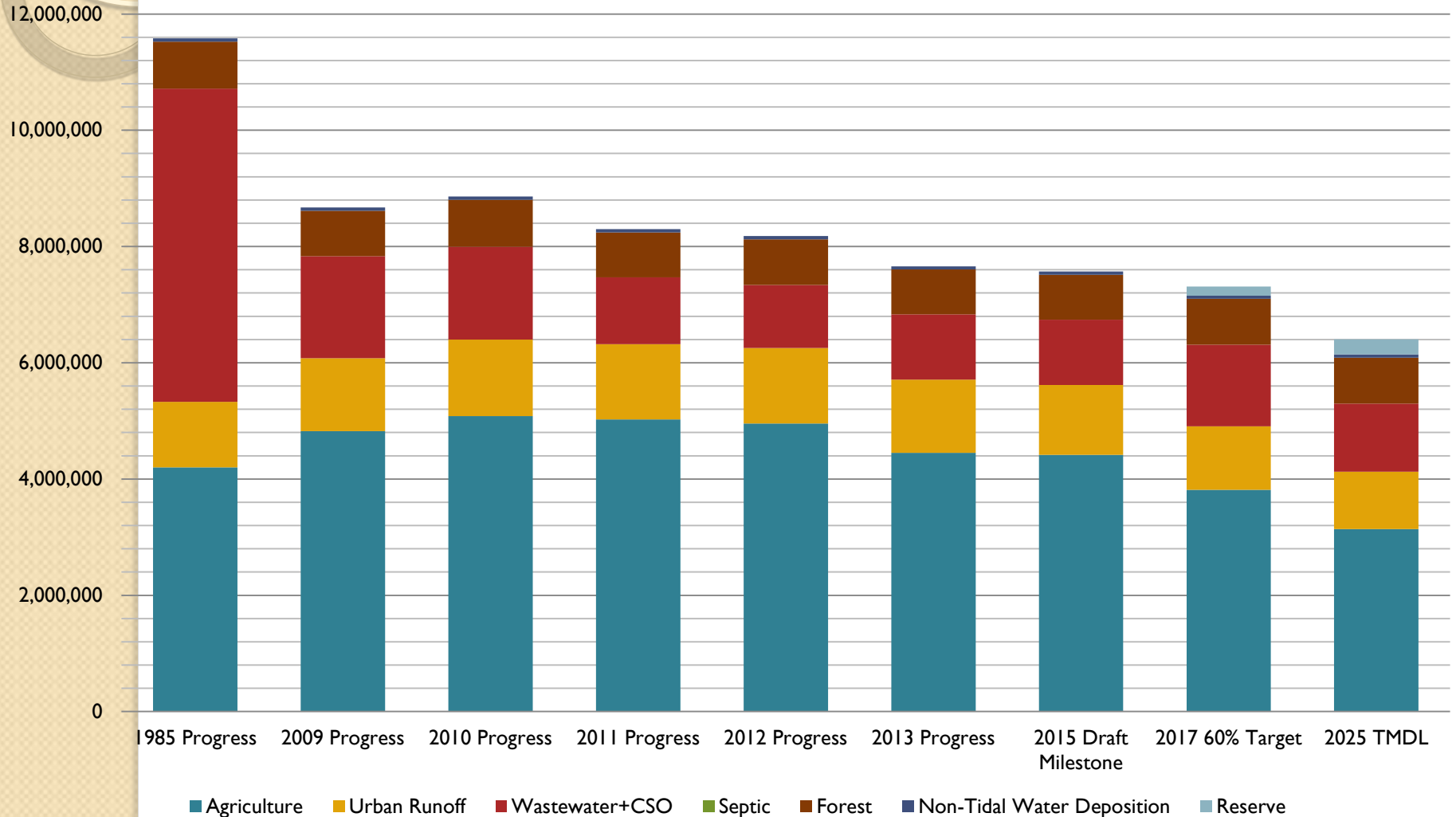
Virginia Estimated Delivered Nitrogen Loads

Lbs TN/Year CBWM v5.3.2



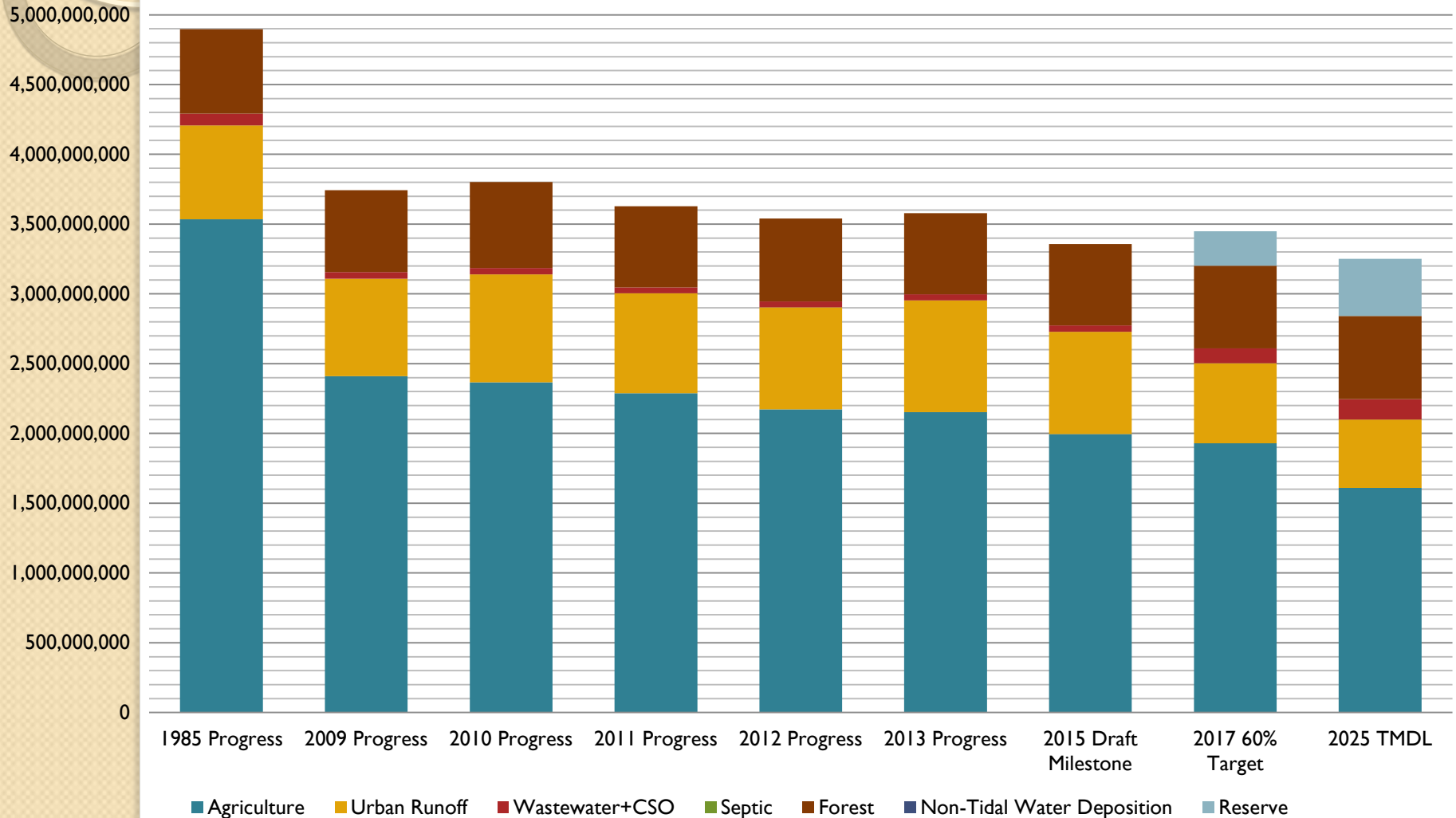
Virginia Estimated Delivered Phosphorus Loads

Lbs TP/Year CBWM v5.3.2



Virginia Estimated Delivered Sediment Loads

Lbs TSS/Year CBWM v5.3.2





2014-2015 Milestones

Sectors/Subjects

- Agriculture including CAFO/AFO
- Urban including MS4
- Onsite Sewage Systems
- Forest
- Industrial Stormwater
- Wastewater
- Extractive
- Local Engagement
- Federal Facilities
- Trading and Offsets
- James River Phased Implementation/Chlorophyll Study

Key Milestone/TMDL Initiatives Moving Forward

- Development and Implementation of Resource Management Plans (RMP)
- Implementation of Construction General Permit with better reporting and tracking of permit coverage and BMPs
- Issuance of all Phase I MS4 permits with WIP phased reductions
- Accelerate livestock exclusion practice through SL – 6 implementation including revision of draft input deck
- Complete evaluation of small AFOs and improve management
- Complete evaluation of historic BMP data and update accordingly
- Better Engage Local Governments and Stakeholders
- Better Engage federal facilities
- Enact Nutrient Trading Certification Regulations
- Finalize James River Chlorophyll Study
- Address “verification” issues
- Improve the Chesapeake Bay Model

Chesapeake Bay Watershed Agreement





Chesapeake Bay Watershed Agreement - Priorities

- Governor McAuliffe successfully advocated additions of toxics and climate change
- Governor has committed Virginia to be “all in” in the development of management strategies for all goals and outcomes
- We have worked closely with the all the watershed states to support their inclusion in as full partners the agreement
- Next Step: Development of Management Strategies for Goals/Outcomes



Agreement Goals

- Sustainable Fisheries
- Vital Habitats
- Water Quality
- Toxic Contaminants
- Healthy watersheds
- Stewardship
- Land Conservation
- Public Access
- Environmental Literacy
- Climate Resiliency

Further Info:

- <http://www.deq.virginia.gov/Programs/Water/ChesapeakeBay/ChesapeakeBayWatershedImplementationPlan.aspx>
- <http://www.chesapeakebay.net/chesapeakebaywatershedagreement/page>

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