

Chesapeake Bay Program Updates

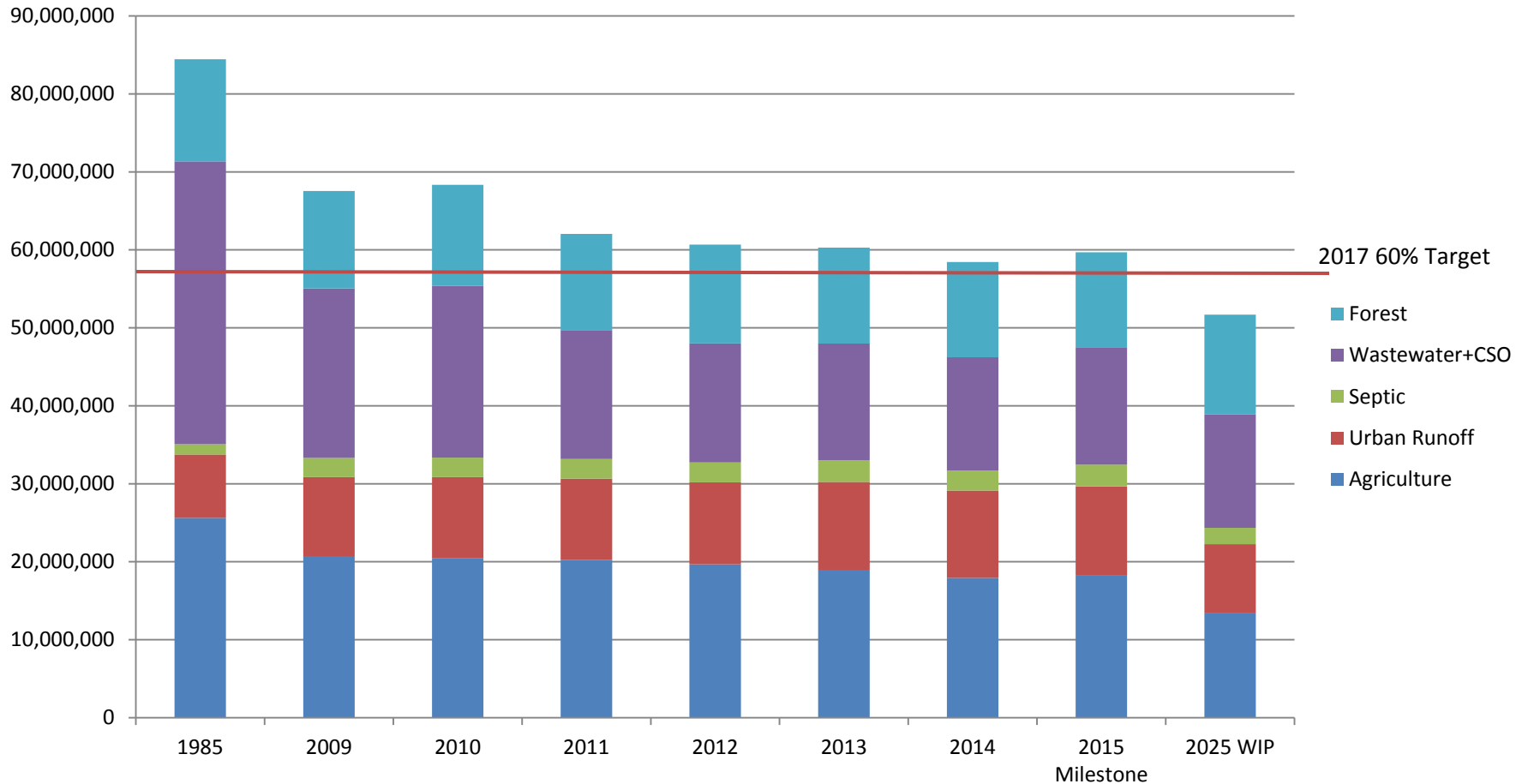
2014 Progress

Virginia Chesapeake Bay Stakeholder Advisory Group
March 20, 2015

James Davis-Martin, DEQ

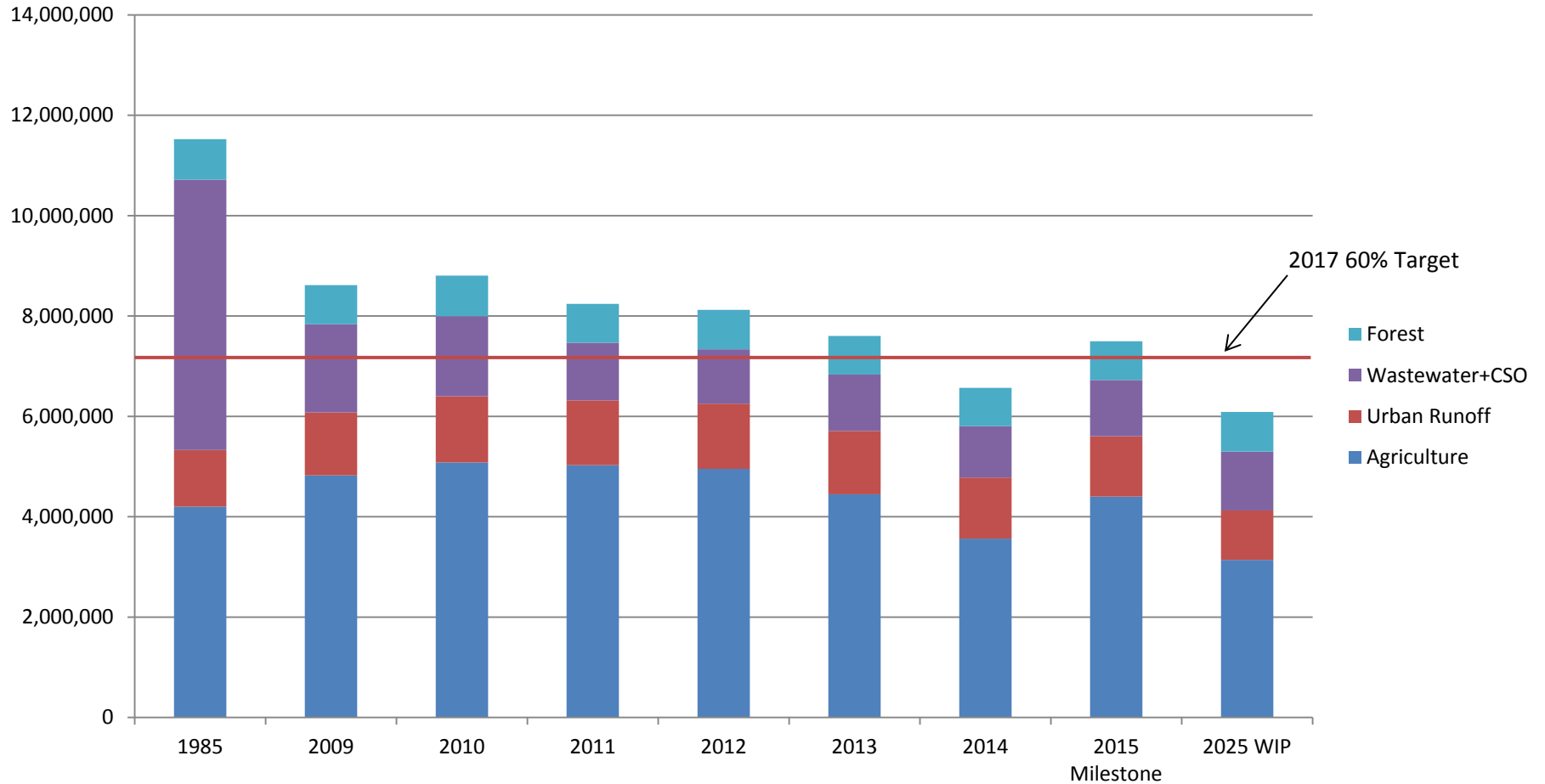
Nitrogen

Delivered Loads per 5.3.2 Watershed Model



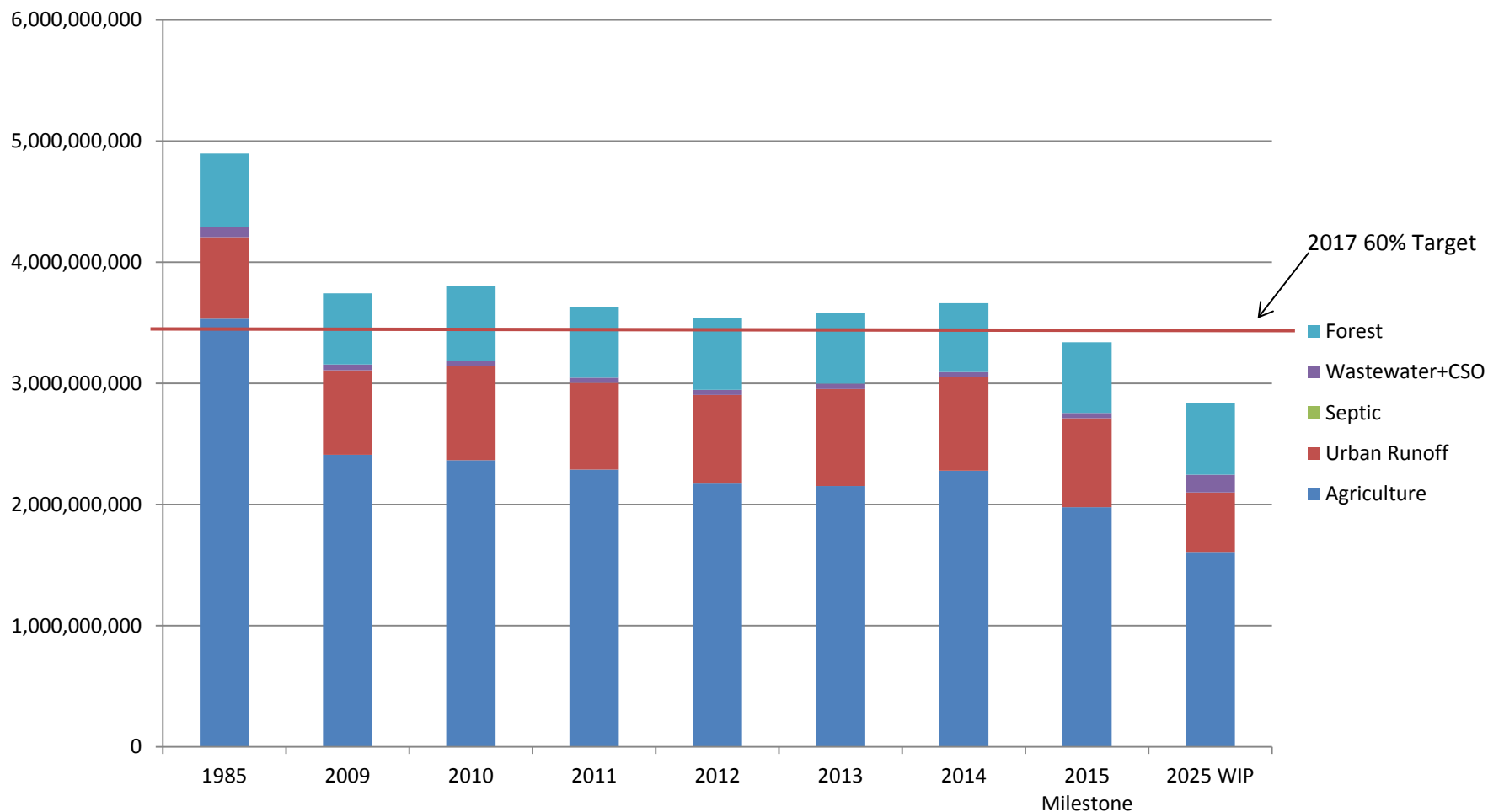
Phosphorus

Delivered Loads per 5.3.2 Watershed Model



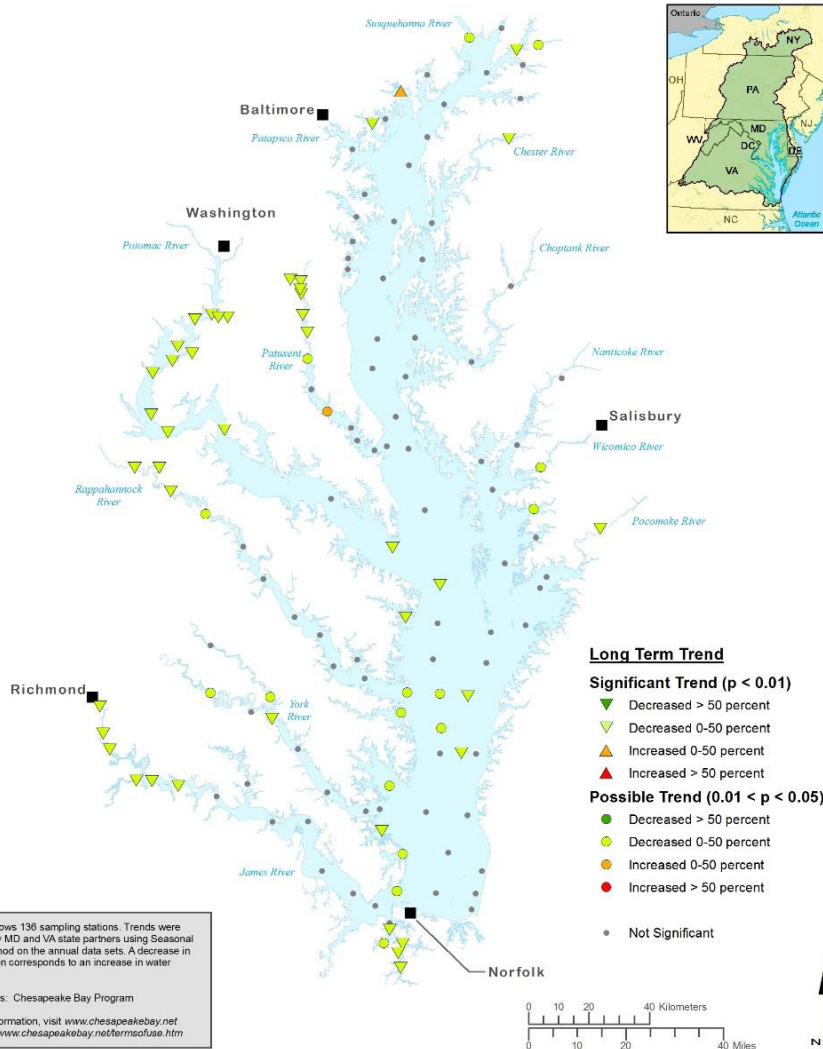
Sediment

Delivered Loads per 5.3.2 Watershed Model

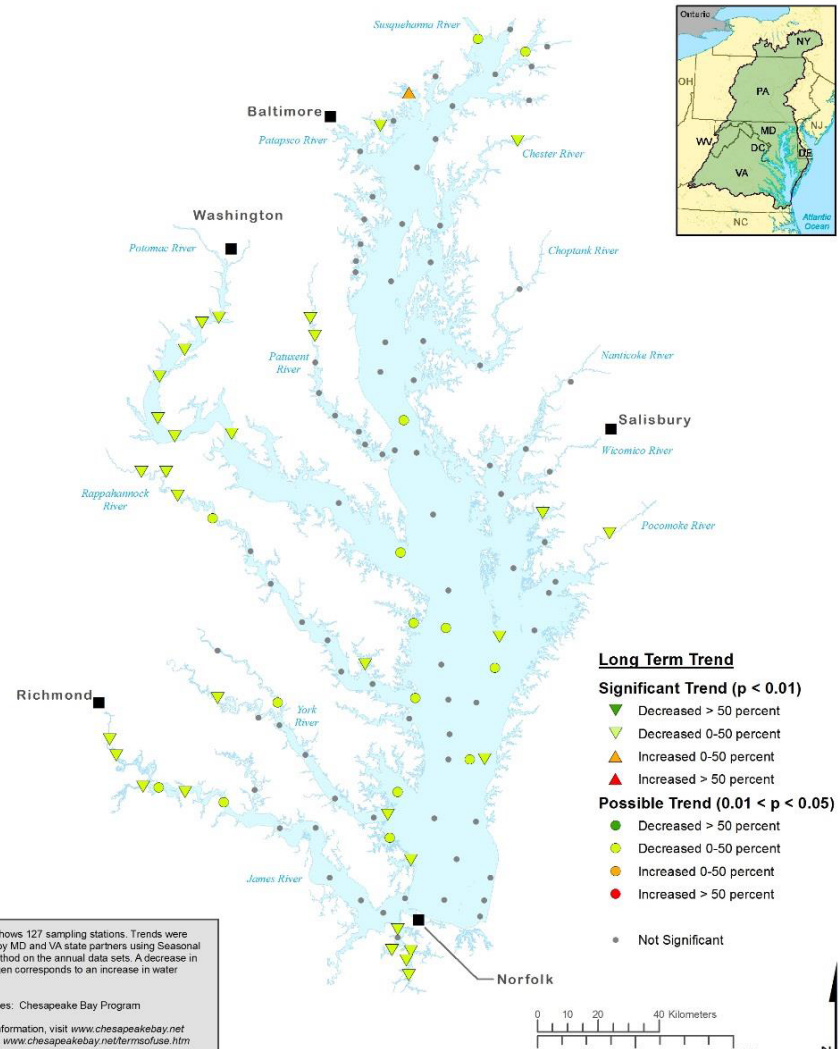


Bay Nitrogen Trends

Long-Term Trends for Surface Total Nitrogen in the Chesapeake Bay: 1999-2013

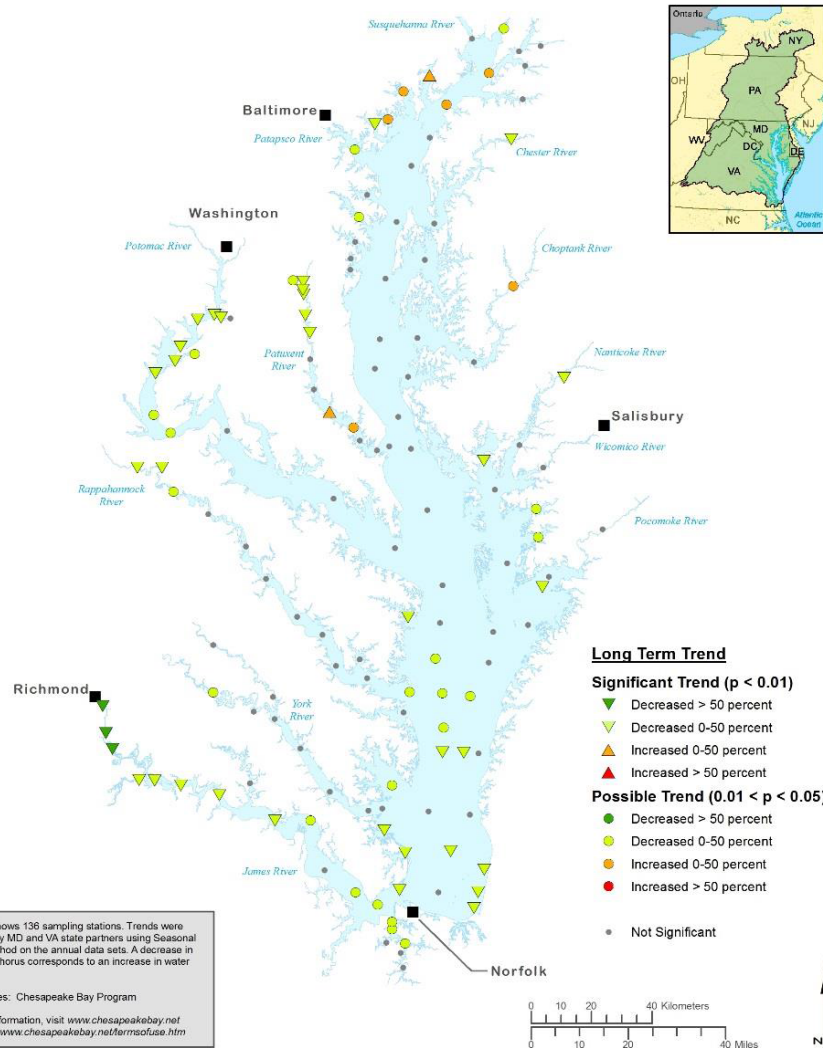


Long-Term Trends for Bottom Total Nitrogen in the Chesapeake Bay: 1999-2013

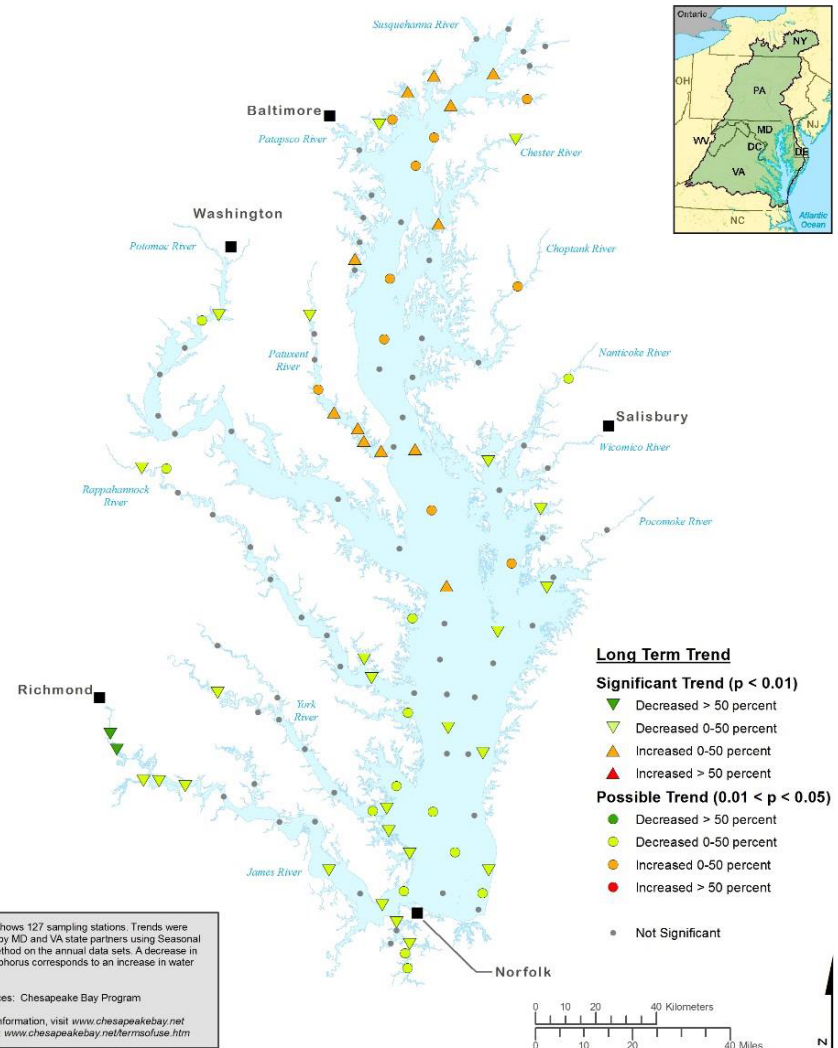


Bay Phosphorus Trends

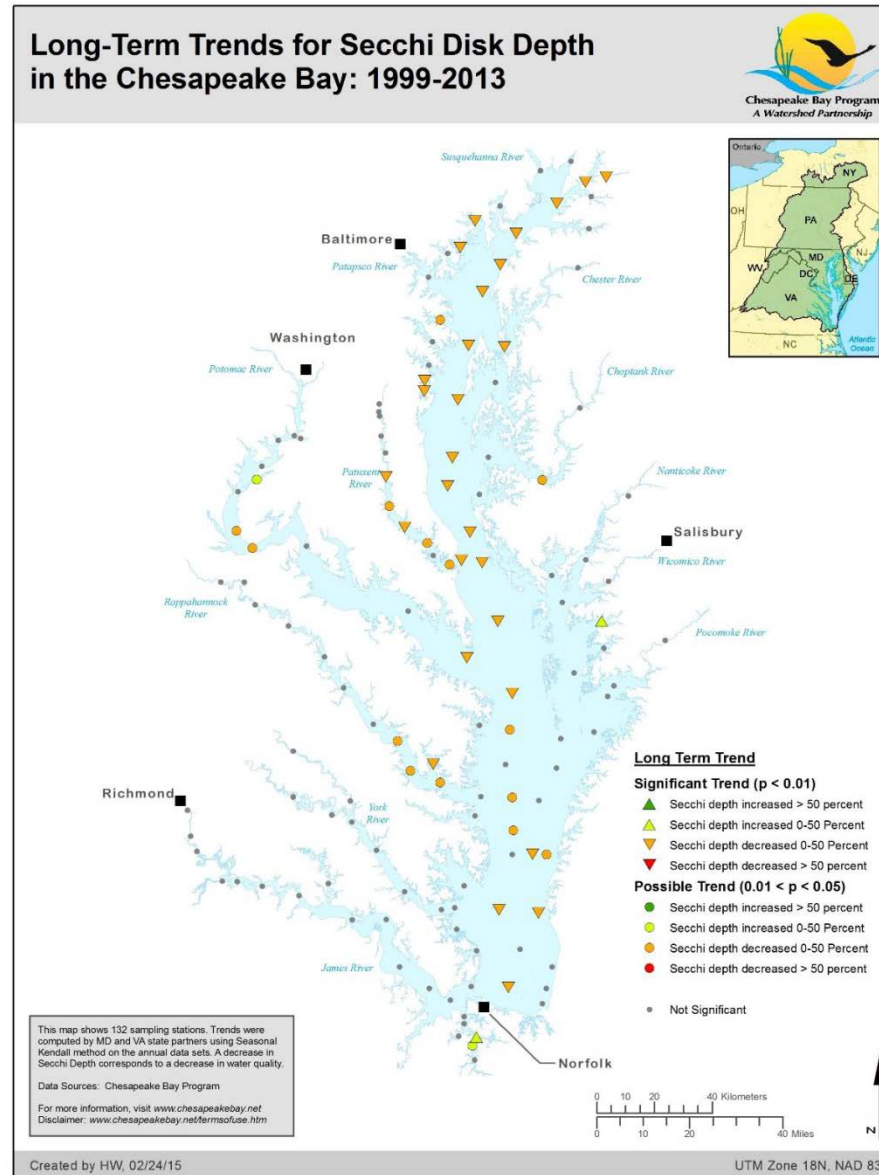
Long-Term Trends for Surface Total Phosphorus in the Chesapeake Bay: 1999-2013



Long-Term Trends for Bottom Total Phosphorus in the Chesapeake Bay: 1999-2013



Bay Secchi Disk Depth Trends



Chesapeake Bay Program Updates

Historical Data Clean-up Grants

Virginia Chesapeake Bay Stakeholder Advisory Group

March 20, 2015

Lara Kling, DEQ

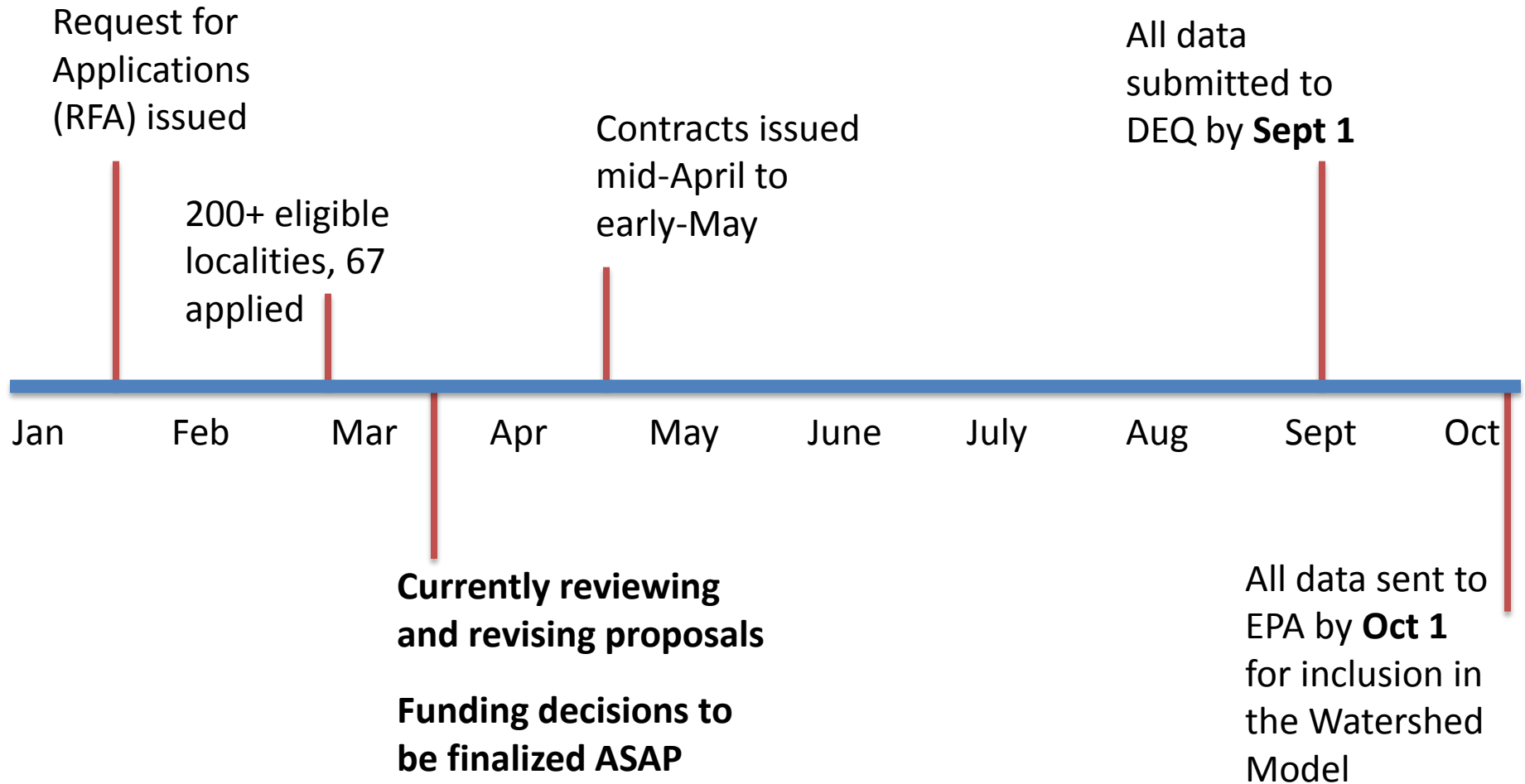
What Data is Needed

- Developed/Urban Best Management Practice (BMP) data:
 - July 1, 1999 – June 30, 2015
 - July 1, 1985 – June 30, 1999
- QA/QC practices, procedures related to installation, maintenance, and inspection
- Local land use data
 - Land cover, land use, parcel polygons, sewer service area polygons, zoning

Why is the Data Needed?

- Calibrating the Phase 6 Watershed Model
- Planning tools
- Verification
- Modeled progress
- Trends in monitoring data

Current Initiative



Chesapeake Bay Program Updates

MS4 Permits and Nutrient Trading

Virginia Chesapeake Bay Stakeholder Advisory Group

March 20, 2015

Melanie Davenport, DEQ

Chesapeake Bay Program Updates

Current Budget Status

Virginia Chesapeake Bay Stakeholder Advisory Group
March 20, 2015

Russ Baxter,
Deputy Secretary of Natural Resources for the Chesapeake Bay

Budget Actions

Conference Report

- WQIF (VNRCF): Additional \$10.7 million in general funds for VA AG BMP Program (approx \$18.1 in the introduced budget)
- Net amounts following “earmarks” and budget reductions:
 - \$21,799,337 for VA Ag Cost Share Program
 - \$2,782,551 for SWCD technical assistance
 - \$6,841,091 for SWCD operations/administration

Budget Actions Conference Report

- SLAF: Additional \$5 million in general funds
- SEAS: \$150,000 to DCR
- VLCF: Additional \$3 million in general funds
- OFP: Additional \$1 million in general funds
for farmland preservation

Chesapeake Bay Program Updates

Agricultural Initiatives

Virginia Chesapeake Bay Stakeholder Advisory Group

March 20, 2015

Darryl Glover, DCR

Nutrient Management

- Contracted with VT to hire Small Farm and Small Dairy Specialists
- Golf Courses
 - Goal of 327 Golf Courses with plans by 2017
 - Currently 93 Courses with plans on 10,317 acres
 - 17,000 acres of lawn care have Water Quality Agreements
- Agricultural Nutrient Management
 - 795,000 acres in ChesBay watershed with plans
 - State-owned lands 17,397 acres with plans
 - 951 Animal Operations with plans on 133,514 acres

Engineering Assistance

- Hired Professional Engineer
- Add EIT in FY2016
- Working with SWCD Engineering Workgroup
- Determining SWCD training needs
- Aim to establish state-level EJAA

Voluntary BMP Project

- \$431,000 (incl. \$388.5K Bay Grant)
- Over \$400K for SWCDs
- 5 components include
 - Tillage Surveys
 - Structural BMP lifespan renewal
 - Voluntary cover crops in eastern Virginia
 - Enhancements to Ag BMP Database
 - Voluntary BMP Authorization Forms

CB RMP Development Grant/Contracts

#	Applicant/Sponsor	Plans	Acres	Award
1	Tellus Agronomics, LLC	225	36,264	\$362,640
2	James Moneymaker	17	2,325	\$23,250
3	Water Stewardship, Inc.	15	2,125	\$21,250
4	Mattaponi Resources, LLC	11	4,050	\$40,500
5	Ag Management Services	6	2,500	\$25,000
Totals		274	47,264	\$472,640

- Includes plans to be submitted to 19 SWCD TRCs
- Districts workload/ plan submittal timeline
- Training

'16 Funding Proposal

- \$100,000 Southern Rivers RFP for Plan Development (using '15 RMP funds)
- \$60,000 set-aside for RMP-2 in CB (using '15 RMP funds)
- \$120,000 new CB RFP for Plan Development in calendar year 2016 (new Bay Grant funds)

Modules Now In Use

The screenshot shows a web browser window with the URL `vm101.worldviewsolutions.net/DCR_BETA/RMP/Info/Add`. The browser has three tabs: 'Conservation Plan and RMP M...', 'Login', and 'DCR - New Plan'. The application header includes the DCR logo and navigation links: 'Main', 'Administration', 'Reports', 'Support', 'My Account', and 'Plans'. A user is logged in as 'barbara.mcgarra'. The breadcrumb trail is 'Dashboard > Resource Management Plans > Create New'. The main content area is titled 'Step 1: Basic Information' and includes a progress bar with steps: '1. Basic Information', '2. Primary Participant', '3. Participant Address', and '4. Review'. Below the title, it says 'Select a plan type and specify a program year for this plan.' The form contains three fields: 'Type' (dropdown menu set to 'Resource Management Plan'), 'District' (dropdown menu set to 'Demo District'), and 'Program Year' (text input set to '2015'). Each field has a red asterisk indicating it is required. A 'Next' button is located at the bottom right of the form.

- Completed Alpha, Beta, and User Acceptance Testing

Training

- RMP Module Training
- Conservation Planning Module Training
- Will soon begin development of Conservation Planning Certification Program
- Continue to certify/recertify Nutrient Management Planners

Questions/Comments?

- James Davis-Martin; (804) 698 - 4298;
James.Davis-Martin@deq.virginia.gov
- Lara Kling; (804) 698 - 4002;
Lara.Kling@deq.virginia.gov
- Melanie Davenport; (804) 698 - 4038;
Melanie.Davenport@deq.virginia.gov
- Russ Baxter; (804) 786 - 0044;
Russ.Baxter@governor.virginia.gov
- Darryl Glover; (804) 786 - 7119;
Darry.Glover@dcr.virginia.gov