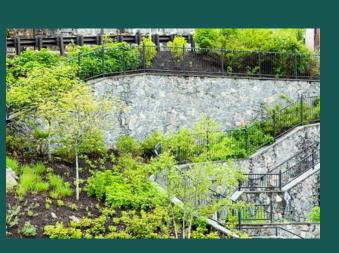
QUARTERLY PROGRESS MEETING – September 2022 Chesapeake Bay Program



2025 Watershed Implementation Plan (WIP) Outcome

Ed Dunne
DC DOEE, WQGIT Chair
Jeremy Hanson
CRC, WQGIT Coordinator

Suzanne Trevena (speaking) EPA Region 3, WQGIT Vice-Chair Hilary Swartwood & Jackie Pickford CRC, WQGIT Staffers $Through\ the\ Chesapeake\ Bay\ Watershed\ Agreement,\ the\ Chesapeake\ Bay\ Program\ has\ committed\ to...$



Goal: Water Quality

Outcome:

By 2025, have all practices and controls installed to achieve the Bay's dissolved oxygen, water clarity/submerged aquatic vegetation and chlorophyll-a standards as articulated in the Chesapeake Bay TMDL document.





Summary of Outlook and Recent Progress



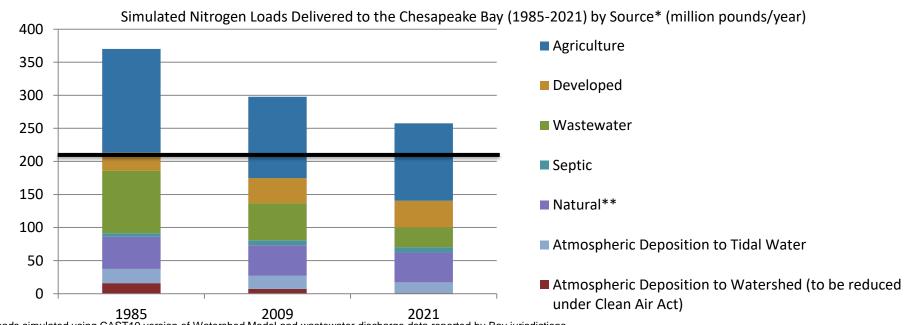
	Nitrogen	Phosphorus	Sediment
Outlook	OUTLOOK OFF COURSE	OUTLOOK OFF COURSE	OUTLOOK COMPLETED
Recent progress	RECENT PROGRESS INCREASE	RECENT PROGRESS INCREASE	RECENT PROGRESS INCREASE



What is our Outlook and Recent Progress?

Nitrogen





^{*}Loads simulated using CAST19 version of Watershed Model and wastewater discharge data reported by Bay jurisdictions.

^{**}The Natural sector contains the following load sources: CSS Forest, Harvested Forest, True Forest, CSS Mixed Open, Mixed Open, Shoreline, Stream Bed and Bank, Headwater or Isolated Wetland, Non-Tidal Floodplain Wetland, and Water

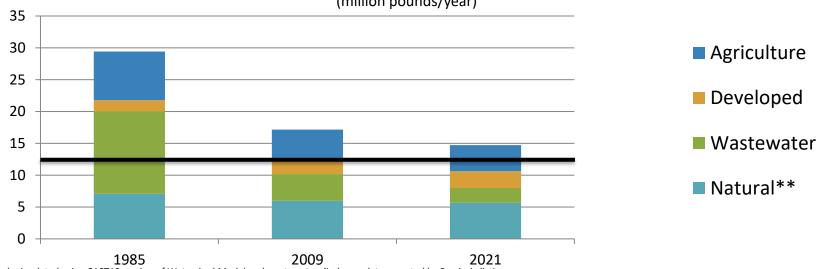


What is our Outlook and Recent Progress?

Phosphorus



Simulated Phosphorus Loads Delivered to the Chesapeake Bay (1985-2021) by Source* (million pounds/year)



^{*}Loads simulated using CAST19 version of Watershed Model and wastewater discharge data reported by Bay jurisdictions.

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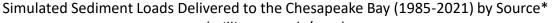


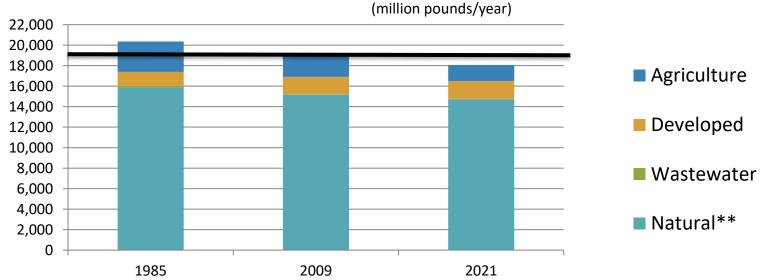
What is our Outlook and Recent Progress?











^{*}Loads simulated using CAST19 version of Watershed Model and wastewater discharge data reported by Bay jurisdictions.

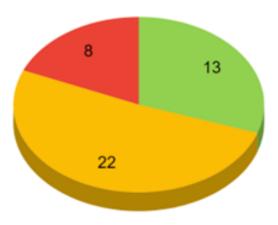
^{**}The Natural sector contains the following load sources: CSS Forest, Harvested Forest, True Forest, CSS Mixed Open, Mixed Open, Shoreline, Stream Bed and Bank, Headwater or Isolated Wetland, Non-Tidal Floodplain Wetland, and Water



Learn

What have we learned in the last two years?

Color Totals out of 43 actions





- Two-Year Milestones Progress
- Actions with a clear workplan and frequent updates
- Actions with a clearly identified responsible party
- Individual progress within Jurisdictions and organizations

Challenges

- Overcommitted on actions
- Unclear responsible party
- Misalignment of WQGIT's time
- COVID/Avian Influenza
- Funding technical assistance and capacity
- BMP Verification
- Unaccounted additional loads

ি On the Horizon

- New or increased funding sources
- Multiple benefits projects
- Use monitoring results to accelerate progress for water quality standards attainment
- Phase 7 model development
- Climate change conditions
- Addressing data concerns



Adapt

How does all of this impact our work?



- Prioritize fewer actions with more impact
- Incorporate two-year milestones
- Use monitoring results to attain water quality standards
- Increased GIT/workgroup collaboration
- Opportunities for lessons learned
- •Emerging Science/Comprehensive Evaluation of System Response (CESR)



- •Use existing tools to target water quality projects in under-served areas.
- Increase collaboration within the partnership (Toxics, Stewardship GIT)
- •Improve engagement with underrepresented groups/areas

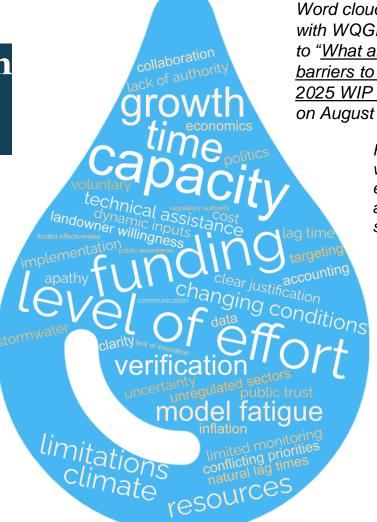


Fill the Gap

How can the Management Board help achieve the outcome?

We need your help with addressing more loads with less time...

•Support changes for increased capacity (people, resources, expertise) within programs



Word cloud generated with WQGIT responses to "What are the biggest barriers to achieving the 2025 WIP outcome?" on August 25, 2022.

Responses were partially edited to account for similar entries.





- Develop and provide public communications on expectations for 2025 and what happens after
 2025
- •Time, if needed, to adapt priorities based on the upcoming Comprehensive Evaluation of System Response (CESR) report

QUARTERLY PROGRESS MEETING Chesapeake Bay Program



•What actions do you want reflected in the updated Logic and Action Plan for WQSAM and 2025 WIP outcomes?

Discussion