

QUARTERLY PROGRESS MEETING – September 2022
Chesapeake Bay Program

*[Version: August 18 DRY RUN with minor updates for
August 22 WQGIT]*



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



OUTLOOK
OFF COURSE



RECENT PROGRESS
INCREASE

	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?

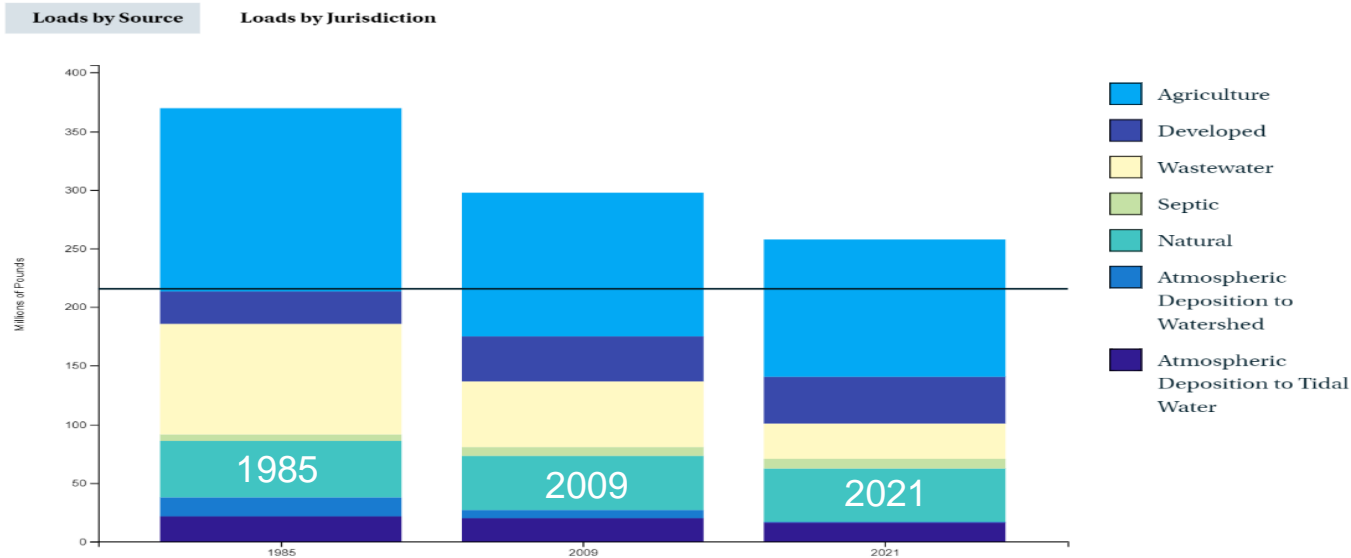
Nitrogen



Modeled Nitrogen Loads to the Chesapeake Bay (1985-2021)

Loads simulated using CAST19 and jurisdiction-reported data on wastewater discharges. *The natural sector includes, in part, forests and wetlands which are preferable land use types with the lowest loading rates among sources.

[VIEW CHART](#) [VIEW TABLE](#)





What is our Outlook and Recent Progress?

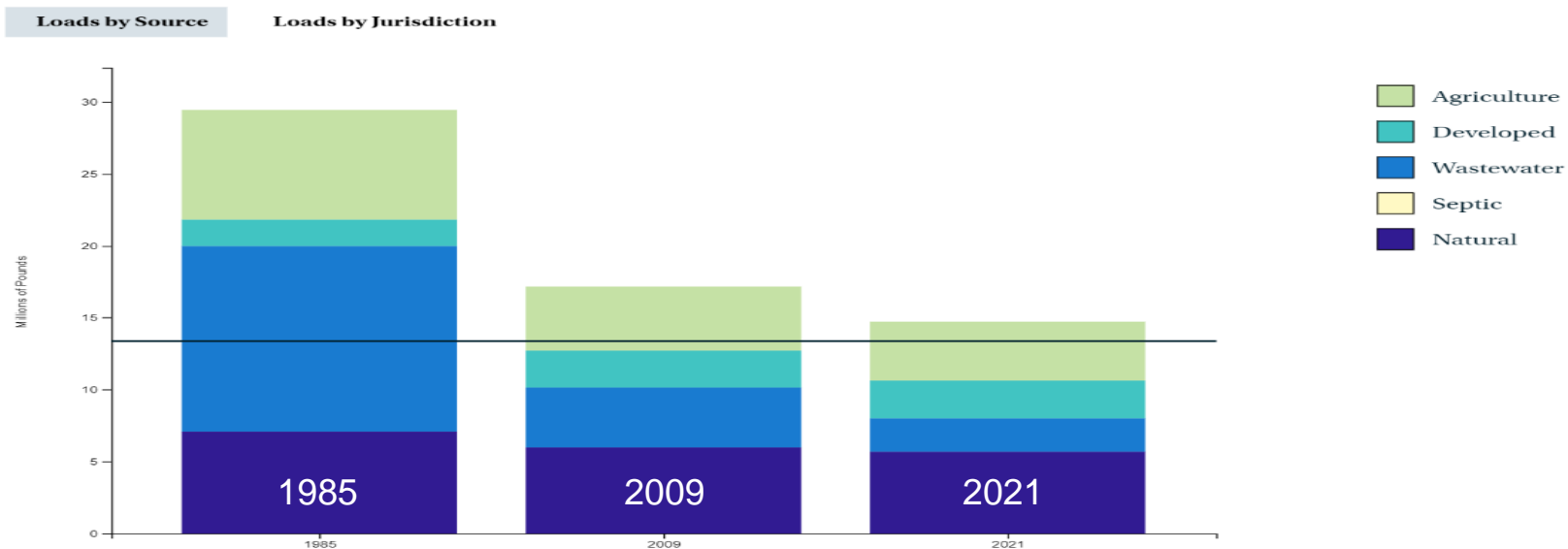
Phosphorus



Modeled Phosphorus Loads to the Chesapeake Bay (1985-2021)

Loads simulated using CAST19 and jurisdiction-reported data on wastewater discharges. *The natural sector includes, in part, forests and wetlands which are preferable land use types with the lowest loading rates among sources.

[VIEW CHART](#) [VIEW TABLE](#)





What is our Outlook and Recent Progress?



RECENT PROGRESS
COMPLETED



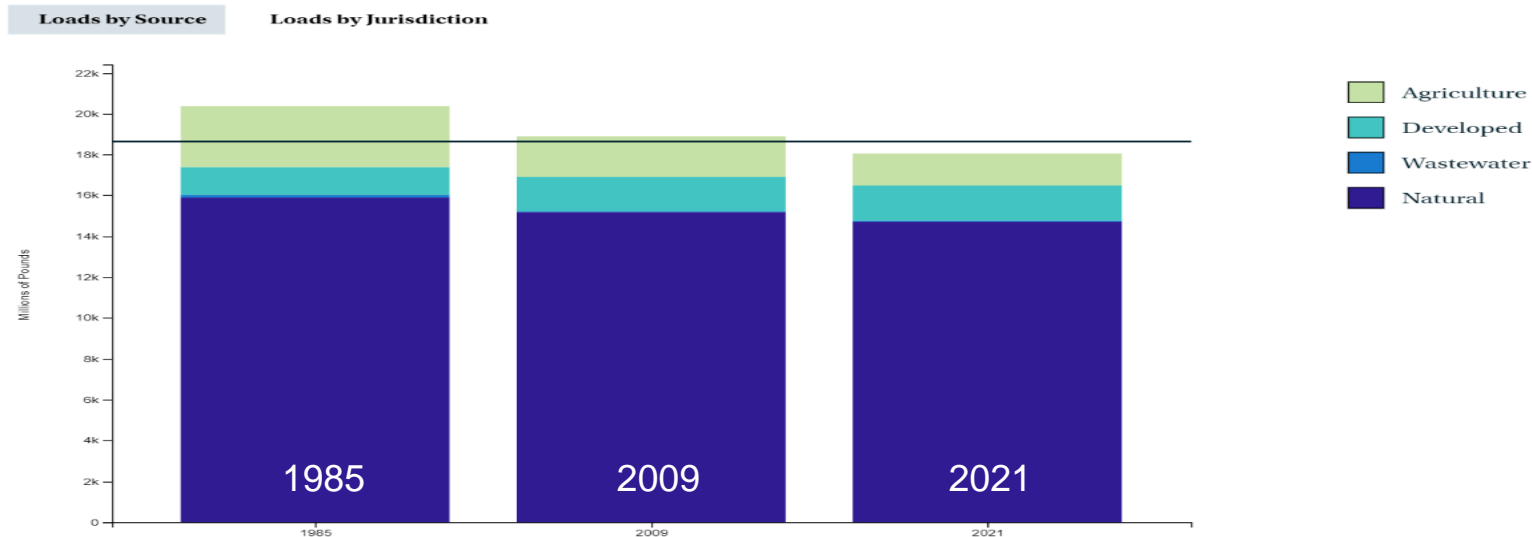
OUTLOOK
ON COURSE

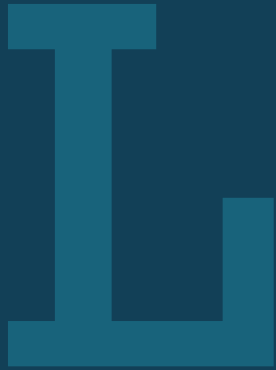
Sediment

Modeled Sediment Loads to the Chesapeake Bay (1985-2021)

Loads simulated using CAST19 and jurisdiction-reported data on wastewater discharges. *The natural sector includes, in part, forests and wetlands which are preferable land use types with the lowest loading rates among sources.

[VIEW CHART](#) [VIEW TABLE](#)

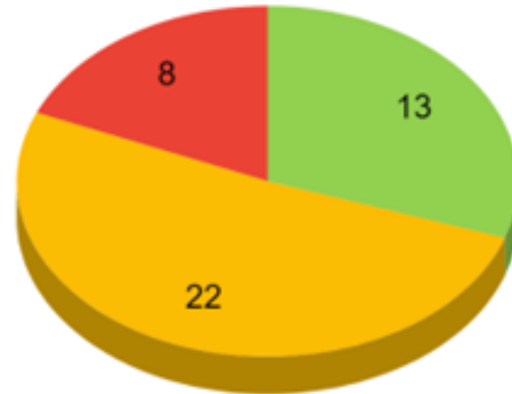




Learn

What have we learned in the last two years?

Color Totals out of 43 actions





Successes

- 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
- Verification
- Varying level of effort to meet 2025



On the Horizon

- New or increased funding sources
- Multiple benefits
- Application of monitoring results when assessing progress
- Phase 7 model development
- Climate change conditions
- Exploring data sets



Adapt

*How does all of this
impact our work?*



Based on what we learned, we plan to...

- Prioritize **fewer** actions with **more** impact
- Incorporate two-year milestones
- Improve utilization of monitoring results
- Increased GIT/workgroup collaboration
- Opportunities for lessons learned
- Emerging Science/Comprehensive Evaluation of System Response (CESR)




Equitable and inclusive restoration...

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

- Develop public communications to clarify what to expect by 2025.
- Time to adapt priorities based on the upcoming Comprehensive Evaluation of System Response (CESR) report
- Placeholder: Additional asks from WQGIT per Aug 22 meeting.



[Add Word Cloud here? Or on
the Learn, Adapt or Fill the Gap
transition slide?]

Discussion

ChesapeakeProgress Icons



RECENT PROGRESS
INCREASE



RECENT PROGRESS
DECREASE



RECENT PROGRESS
NO CHANGE



RECENT PROGRESS
COMPLETED



OUTLOOK
ON COURSE



OUTLOOK
OFF COURSE



OUTLOOK
UNCERTAIN



OUTLOOK
COMPLETED