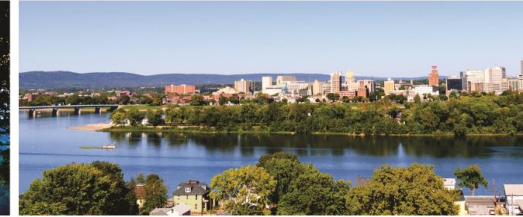




pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

Bureau of Watershed Restoration
and Nonpoint Source Management



Supporting Agriculture and Local Action in Pennsylvania Yields Accelerated Implementation and Positive Results

Water Quality Goal Implementation Team
May 13, 2024

- Local Water Quality Improvements, Restoration, and Delisting from Impaired Streams List
- Data Management Improvements and Reported Pollution Reductions
- Capacity Building and Technical Assistance

Collaborative Partnerships Lead to Clean Water

[Shapiro Administration and Partners Celebrate Turtle Creek Watershed](#) Stream Restoration, Investments, and Water Quality Improvements – Stream delisting highlights the importance of strong partnerships in restoring the Chesapeake Bay Watershed.



[2022 Turtle Creek Watershed NPS Success Story](#)

- [Turtle Creek Watershed Delisting Event](#) – Video from Chesapeake Conservancy
- In the last four years, **more than 100 stream miles have been restored** to water quality standards in Pennsylvania's Chesapeake Bay Watershed.
- PA DEP [2024 Integrated Water Quality Report](#) – PA was the first state in the nation to submit the final report and receive approval from EPA.

Pennsylvania Modeled Annual Load Reductions

CAST-19

ChesapeakeProgress

2023 Annual Load Reductions – All Sectors
(Edge of Tide – Delivered to the Chesapeake Bay):

Nitrogen: 3.62 million pounds

Phosphorus: 80,000 pounds

Sediment: 102 million pounds

Pennsylvania Modeled Annual Load Reductions

CAST-19

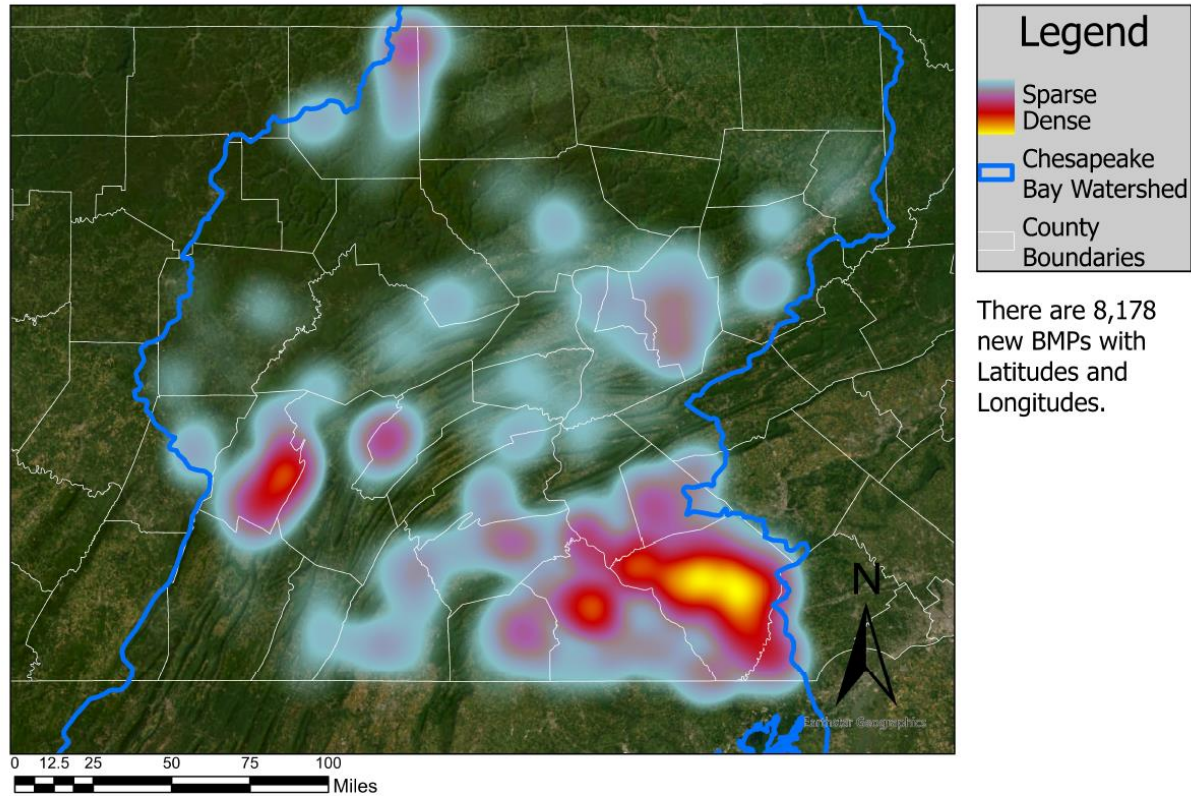
2023 annual numeric progress marks the second greatest nitrogen reduction from agriculture since 2009.

Accelerated Implementation:

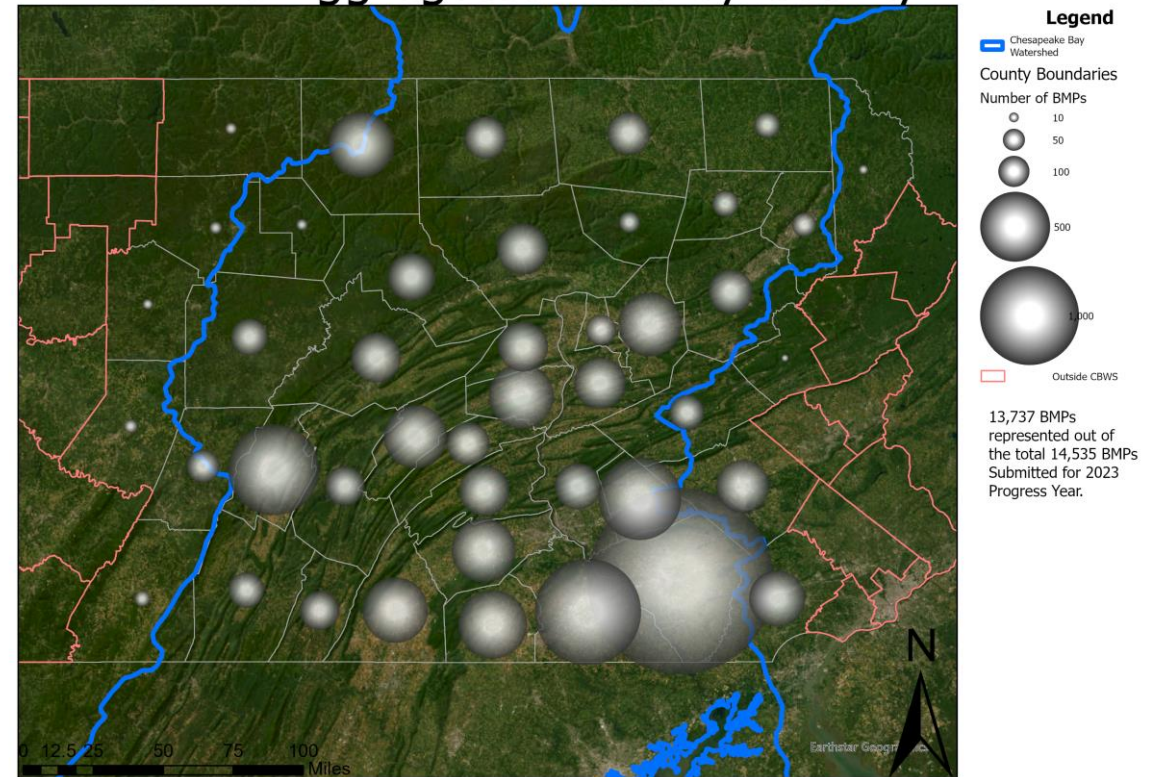
- More than 5 million pounds of nitrogen pollution to the Chesapeake Bay was reduced from agriculture since 2019 - five times greater than the previous 10-year period.
- More than 135,000 pounds of phosphorus pollution to the Chesapeake Bay was reduced from agriculture since 2019 – more than 2.5 times greater than the previous 10-year period.
- More than 140 million pounds of sediment pollution to the Chesapeake Bay was reduced from agriculture since 2019 – more than 70% of the previous 10-year period.

Data Management and Reporting

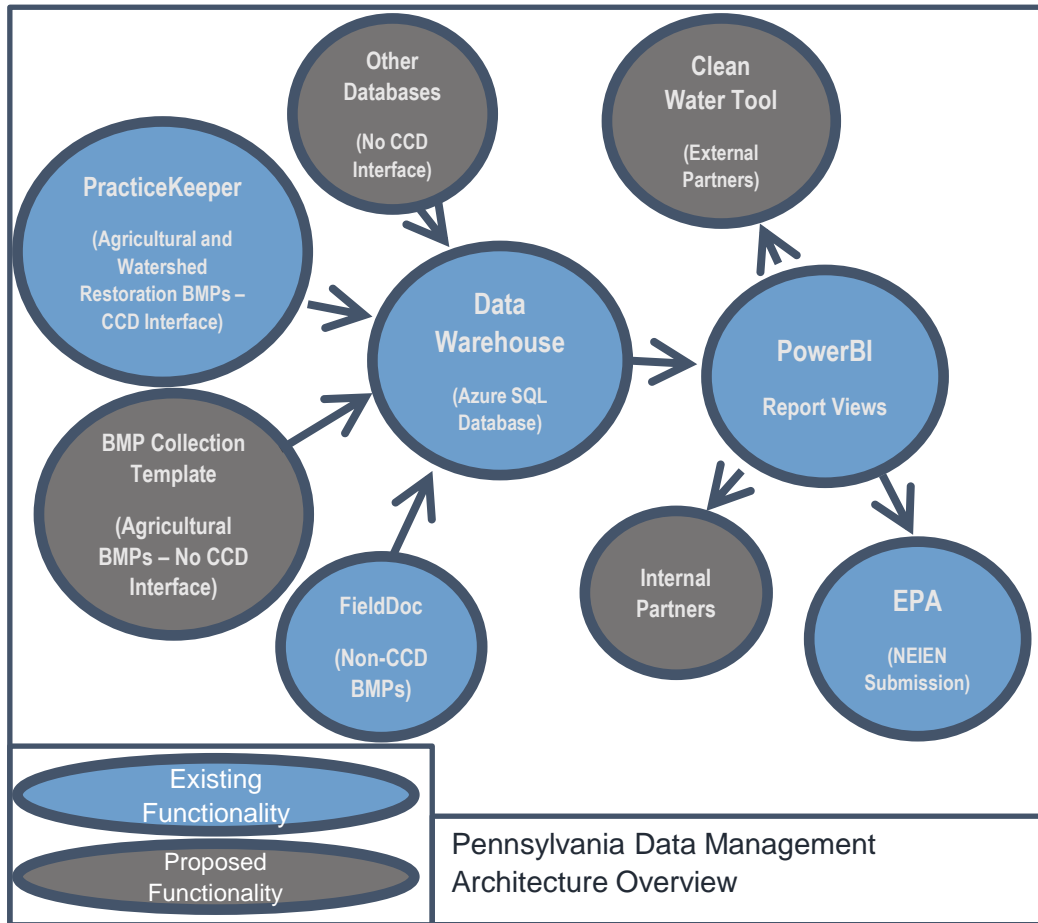
BMPs with Lat and Longs for 2023 Progress Year



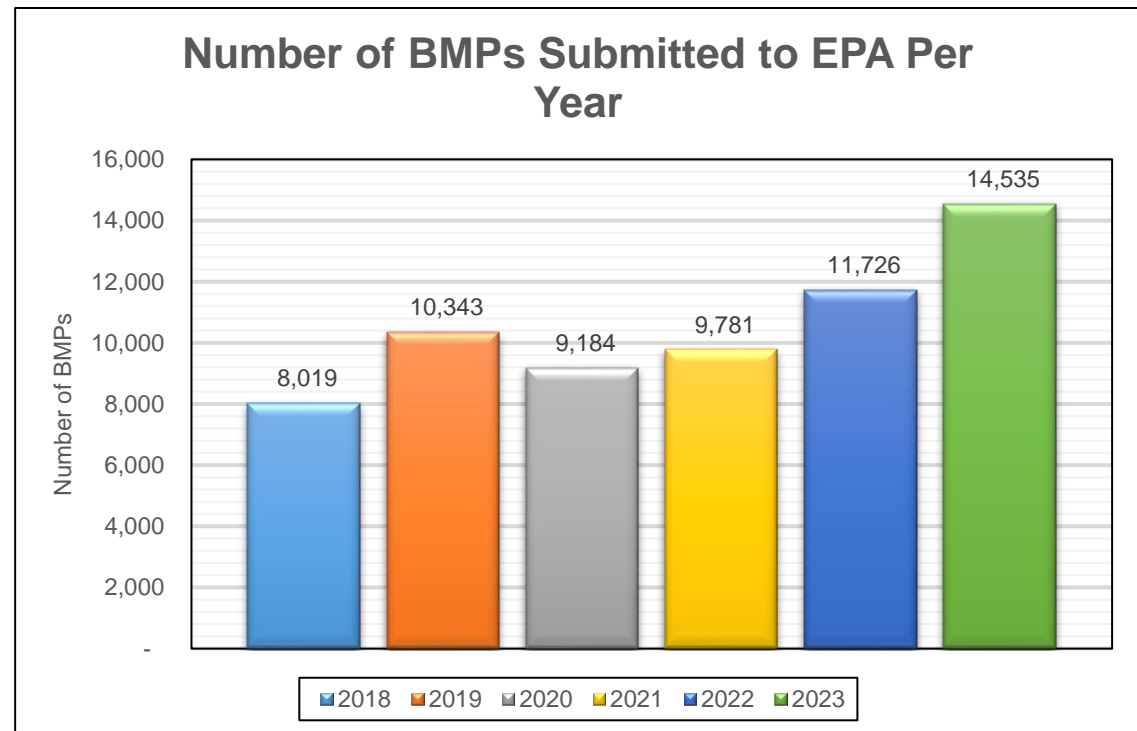
PA CBWS Aggregated Data by County



Data Management and Reporting



2023 Nonpoint Source Best Management Practice (BMP) records reported to EPA increased by 2,808 records for a total of 14,534 BMP records.



Capacity Building and Technical Assistance

- State Conservation Commission (SCC) Agriculture Conservation Assistance Program (ACAP)
- A Certification Program is being developed by HRG, Inc. under contract with SCC, in coordination with PA NRCS Office, to increase and improve technical assistance availability for agriculture projects statewide
- Certification Program Goals:
 - Leverage existing NRCS job approval authority for personnel qualifications
 - Provide a Conservation District staff technical career path through the certification program
 - Provide additional training capacity to NRCS to better prepare job approval authority candidates
 - Empower Conservation District staff to be the technical lead on their own low-risk but high demand ag projects
 - Improve job satisfaction and decision-making for Conservation District staff
 - Reduce engineering workload for non-engineering practices while having dedicated technical oversight for ACAP projects
 - Accelerate permanent ag practice implementation with current ACAP funds

Additional Resources

- Updated [Bureau of Watershed Restoration and Nonpoint Source Management website](#)
- [Healthy Watersheds, Healthy Communities](#) story map: 3,000+ views
- [Clean Water Academy](#): Web-based training modules
- [Tracking Pennsylvania's Progress](#): Adding public transparency for milestone commitments and progress
- [Healthy Waters](#) monthly e-newsletter: Increasing subscribers

[DEP > Businesses > Water > Watershed Restoration and Nonpoint Source Management > Chesapeake Bay Watershed Restoration Division > PA's Phase 3 WIP > Newsletter](#)

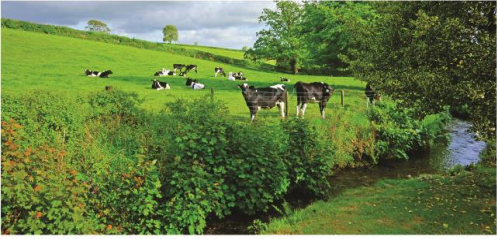


HEALTHY WATERS

Pennsylvania. Partnership. Progress

The Department of Environmental Protection Bureau of Watershed Restoration and Nonpoint Source Management, Chesapeake Bay Watershed Restoration Division produces a monthly newsletter to showcase progress and updates on the statewide Phase 3 Watershed Implementation Plan and our local partners' Countywide Action Plans. Our newsletter will highlight activities from the Division and our partnering counties, agencies, and action team leaders; reporting and data tools; funding and grant opportunities; and major announcements.

[Sign up for the newsletter](#) 



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