

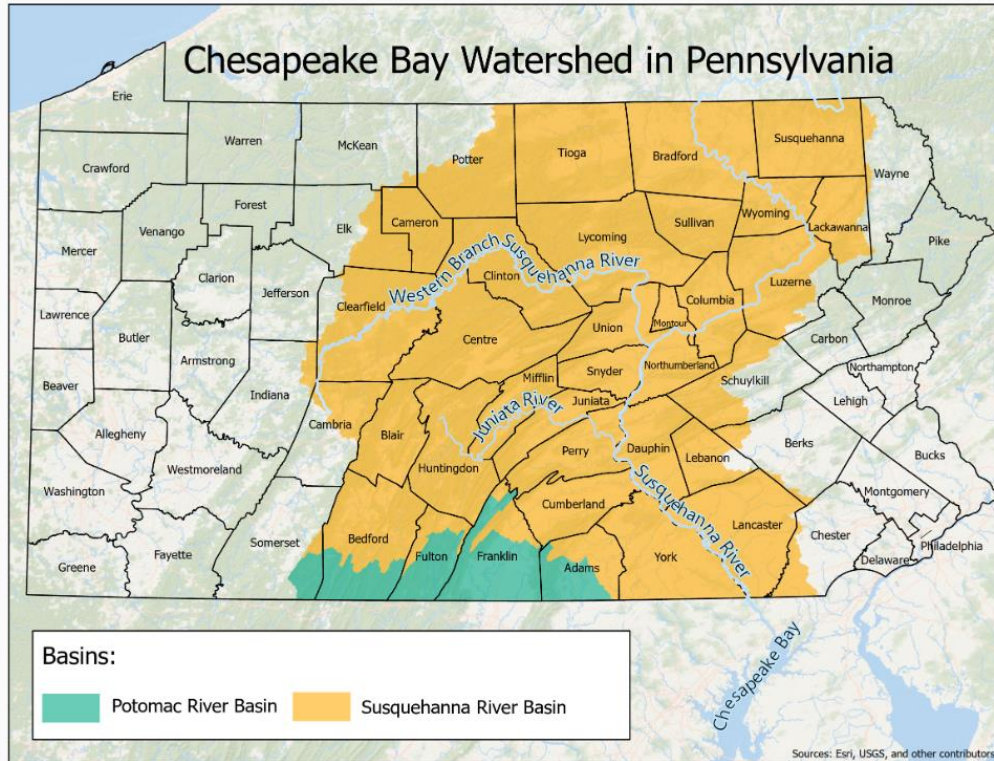
Communication of Progress Towards the Bay TMDL

Bureau of Watershed Restoration and Nonpoint Source Management
Chesapeake Bay Watershed Restoration Division
6/5/2025





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Goal: Less Nutrient and Sediment Pollution

Contributions

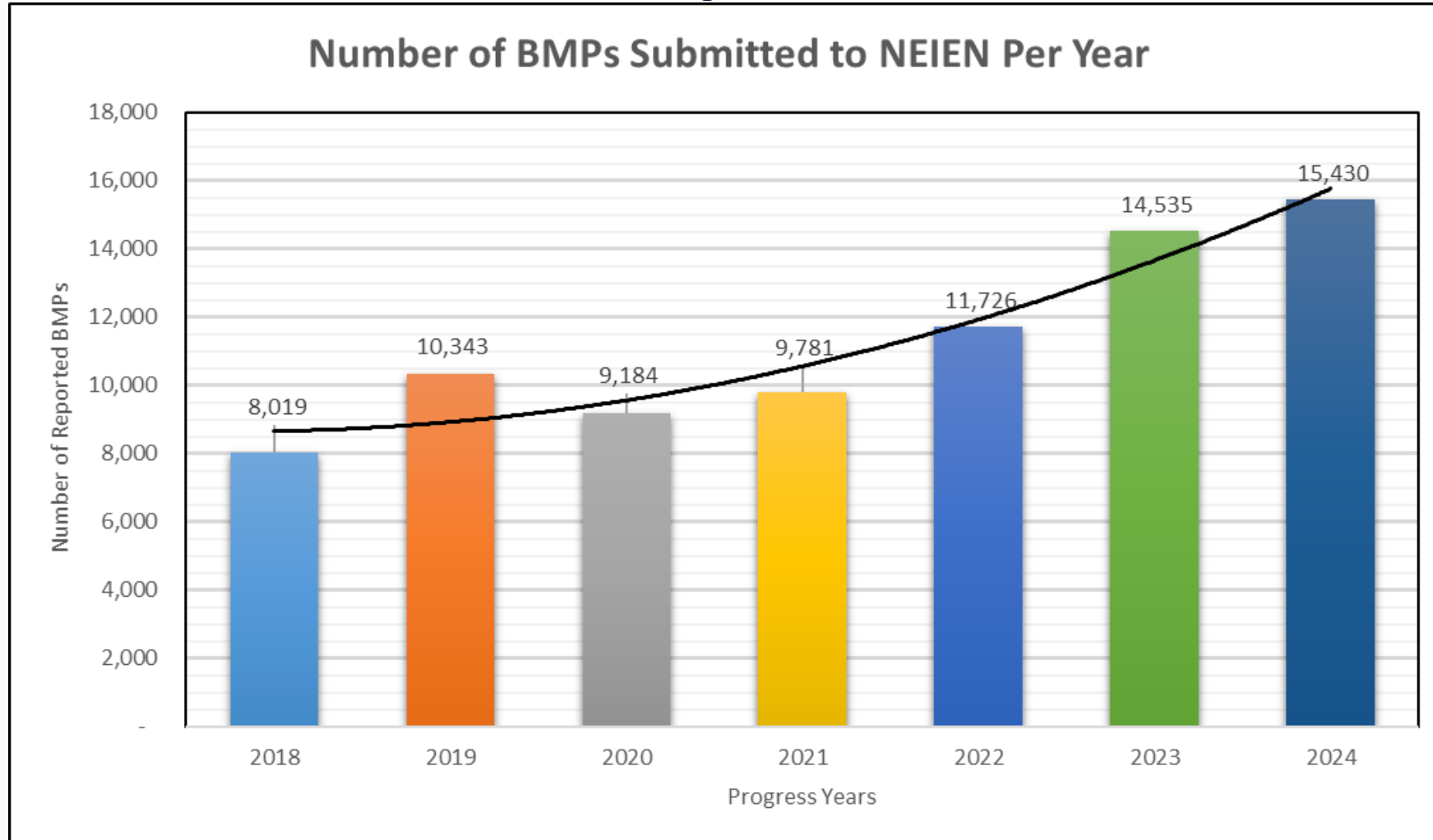
Who Contributes to PA's QAPP?

Data Reporters from across a variety of programs that implement nutrient-reducing BMPs, collect and report BMP implementation data, and provide this numeric data and QAPP updates to PA DEP for submission to EPA's Chesapeake Bay Program Office (CBPO).



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BMP Implementation Trending Up

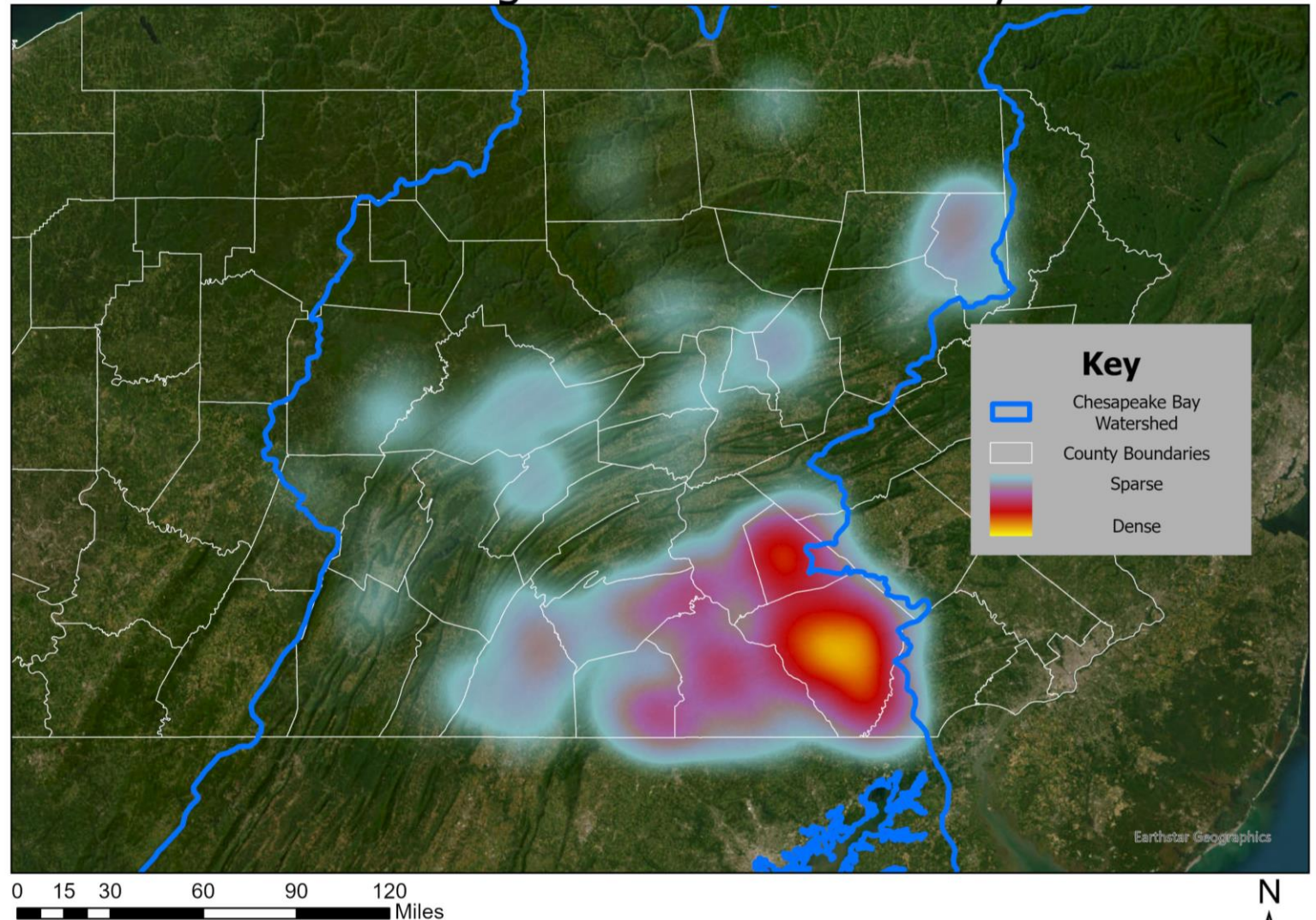




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The heat index map is comprised solely of BMPs reported to NEIEN/CAST with corresponding Latitude and Longitude coordinates for the 2024 progress year.

2024 Progress Year BMP Density

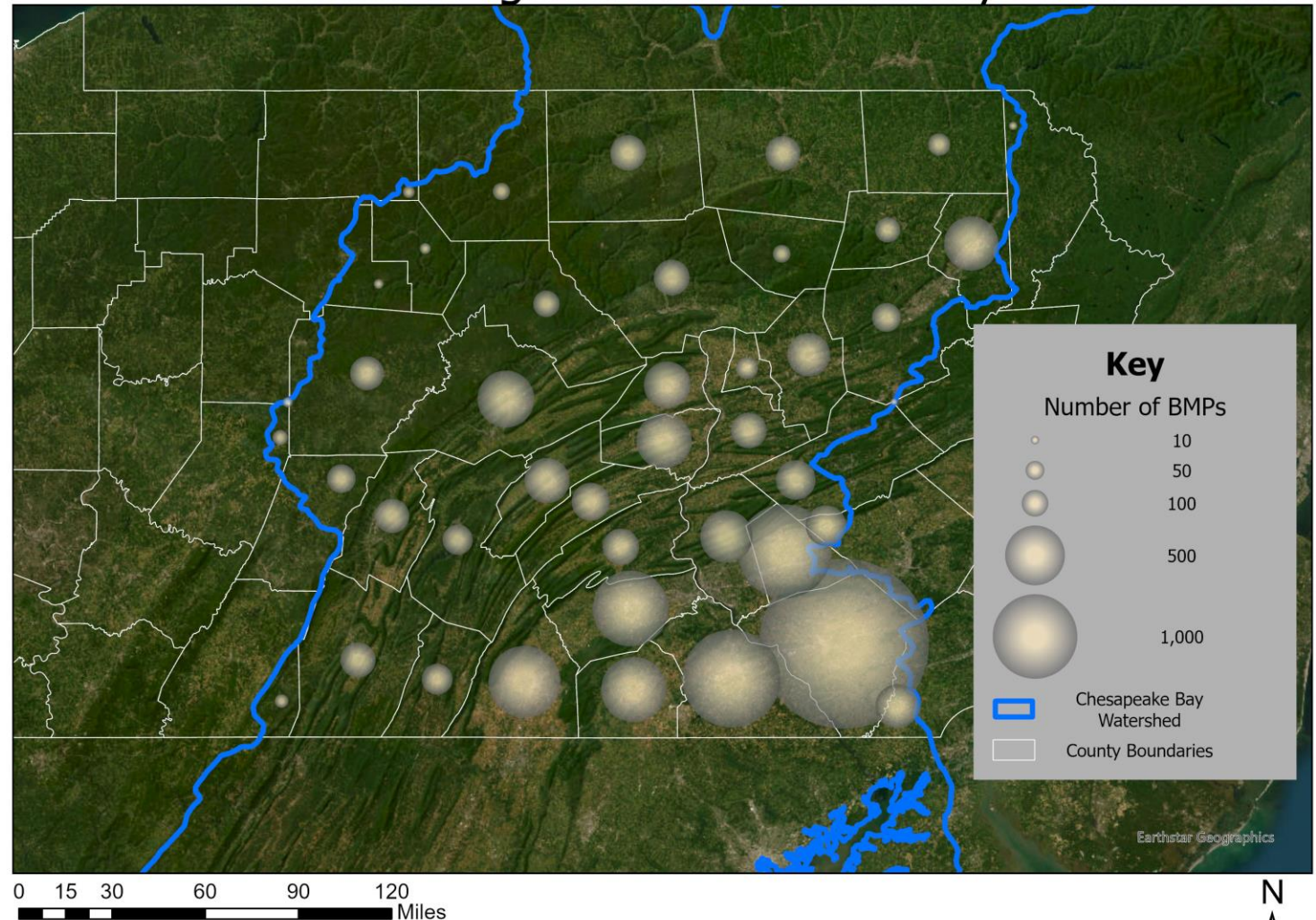




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The County dot density
map exclusively
incorporates data collected
throughout the 2024
progress year.

2024 Progress Year Dot Density

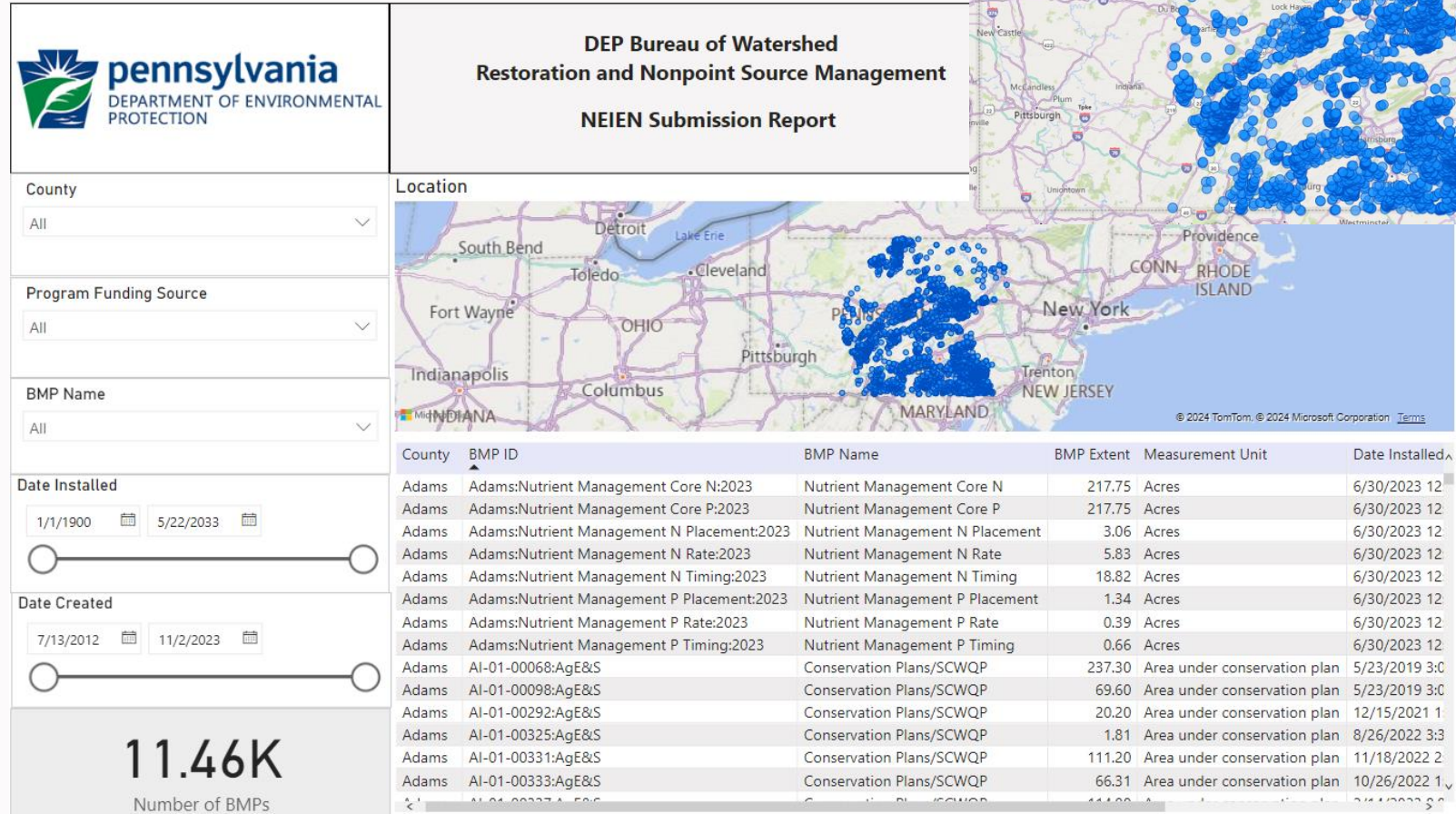




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NEIEN Submission Report

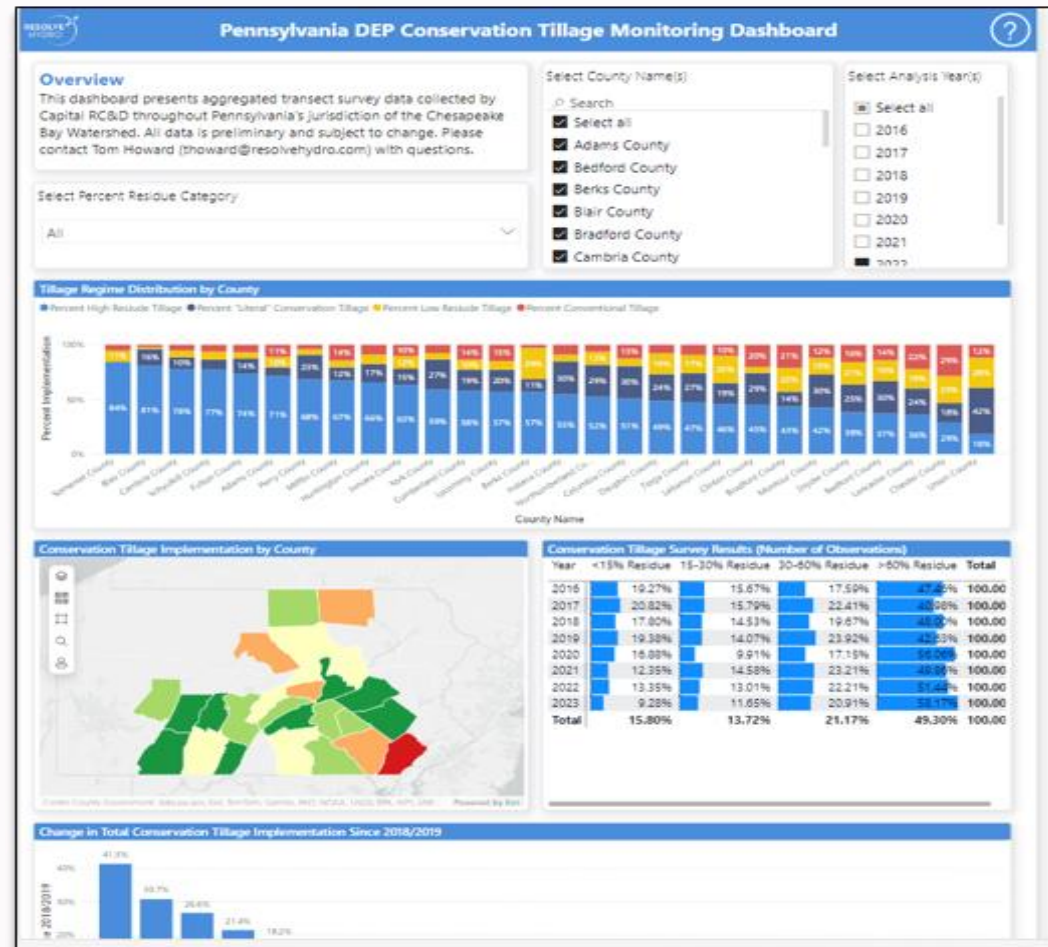
PowerBI



PowerBI Dashboard

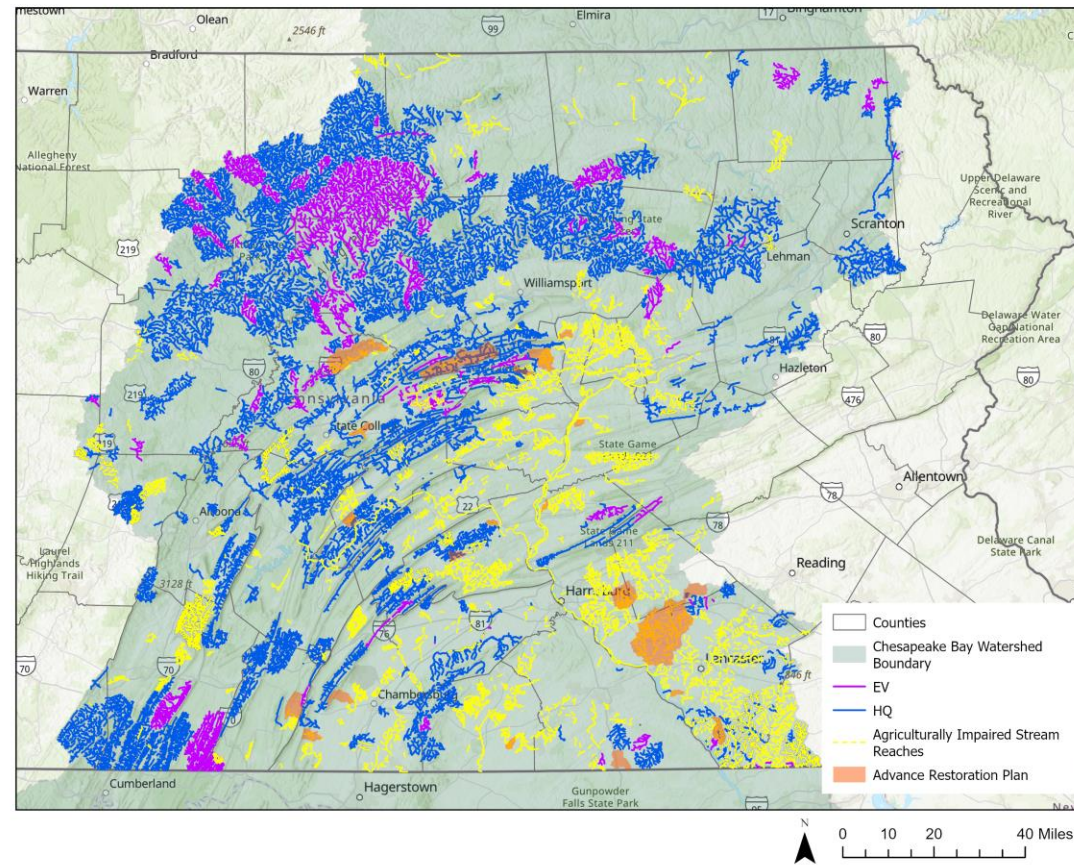
What can we learn from the data?

- What is the opportunity space for conservation tillage practices?
- What counties/crops are most likely to use conservation tillage BMPs?
- Once a farmer implements conservation tillage, how likely are they to revert to conventional practices?



Stream Monitoring Data

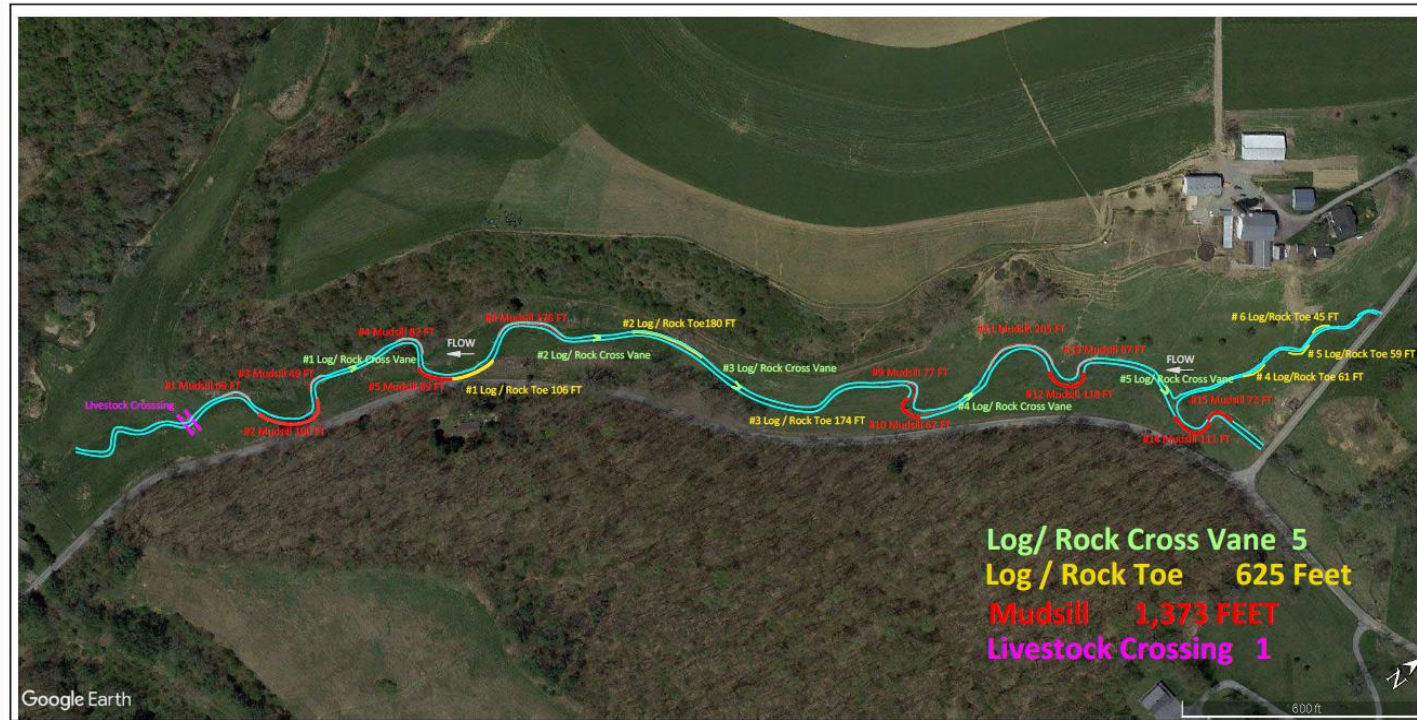
Advance Restoration Plan Locations (2024)





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Example BMP Design



Fishing Creek Tributary At Bieler Farms
Drumore Township, Lancaster County, PA



Drawn by: G. Port and K. Miller



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Implement and Document BMPs





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Healthy Waters Healthy Communities Report



AGRICULTURE SECTOR

Best Management Practices Installed on Springer Farm - Union County

In 2023, the Union County Conservation District used CAP implementation funds to help the Springer Farm install a series of best management practices (BMPs) to improve water quality and protect the environment. The farm is a 100-acre operation that produces a variety of crops, including corn, soybeans, and wheat. The farm owner, John Springer, is a fourth-generation farmer who is committed to sustainable agriculture and protecting the environment.

Cover Crop Incentive Programs - Carbon County

In 2023, Carbon County Conservation District launched a cover crop incentive program to encourage farmers to plant cover crops on their land. The program provides financial incentives to farmers who plant cover crops, which help improve soil health and reduce erosion. The program is a partnership between the Carbon County Conservation District and the Pennsylvania Department of Environmental Protection.

Springer Farm Market Storage - Cumberland County

The Agricultural Conservation Easement Program (ACEP) and the Cumberland County Conservation District have partnered to help the Springer Farm install a new market storage facility. The facility will allow the farm to store and market its crops more efficiently, which will help improve the farm's profitability and sustainability. The project is a partnership between the Cumberland County Conservation District and the Pennsylvania Department of Environmental Protection.

Partners sharing projects brings great PA progress!

2023 | A YEAR OF CLEAN WATER PARTNERS. PROJECTS AND PROGRESS

Over the last four years, more than 300 miles of streams have been restored in the Chesapeake Bay watershed - that's equal to the distance from Harrisburg, PA to the Maryland Chesapeake Bay Bridge!

Numbers Tell the Story

With the inclusion of climate change, Pennsylvania's 2023 Planning Program for the Chesapeake Bay (PA's Watershed Sustainability Plan) will be 100% aligned with the state's climate goals. The plan will focus on reducing greenhouse gas emissions and improving water quality. The plan is a partnership between the Pennsylvania Department of Environmental Protection and the Chesapeake Bay Foundation.

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Pennsylvania Healthy Waters Healthy Communities Annual Reports

Supporting CAPs and Local Action

- 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
- CAP Action Items for the Week: weekly email sharing relevant updates, tools, and training opportunities
- Materials and training to support county teams' local outreach needs


[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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Get In Touch

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The Department of Environmental Protection's mission is to protect Pennsylvania's air, land and water resources and to provide for the health and safety of its residents and visitors, consistent with the rights and duties established under the Environmental Rights Amendment (Article 1, Section 27 of the Pennsylvania Constitution).