

# 2025 Montour County

## Clean Water Progress Snapshot

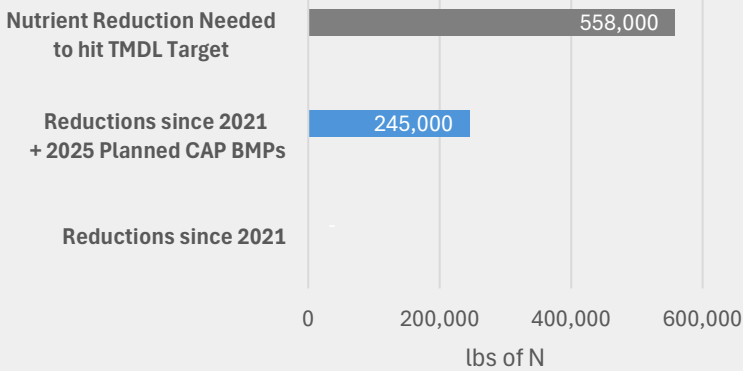
Montour County is one of 34 counties in Pennsylvania’s Chesapeake Bay Watershed that have developed a voluntary Countywide Action Plan (CAP). The goal of each CAP is to reduce nitrogen, phosphorus, and sediment loads generated within the county. Mitigating these nutrient loads benefits not only the health of the Chesapeake Bay but also improves local water and soil quality. This Snapshot provides an overview of the county’s current nutrient loading rates, the county identified nutrient reduction goals, and the progress made to date.

### Current Conditions

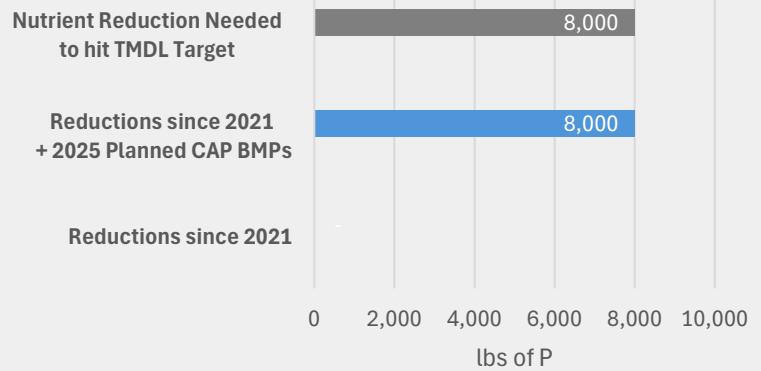
Montour County’s current nutrient loading rate is approximately 1.5 million pounds of nitrogen and 67,825 pounds of phosphorus per year. To meet the requirements established under the Chesapeake Bay Total Maximum Daily Load (TMDL), the county must reduce these loads to 960,945 pounds of nitrogen and 59,825 pounds of phosphorus annually. Achieving this target will require total reductions of 558,000 pounds of nitrogen and 8,000 pounds of phosphorus.

Montour County has been working on implementation efforts related to the CAP since 2021 resulting in on the ground project completion. Due to technical changes in the Chesapeake Assessment Scenario Tool (CAST), nutrient loading rates to the county have increased affecting results below. This change is not necessarily reflective of on-the-ground implementation or monitoring efforts in the county. Additionally, in its 2025 CAP BMP Entry Form, the county set a goal to reduce nutrient loads by 245,000 pounds of nitrogen and 8,000 pounds of phosphorus.

#### Nitrogen Reduction Progress



#### Phosphorus Reduction Progress



### Montour County’s Top 3 Most Implemented Best Management Practices of 2024



**#1**  
Nutrient  
Management Core N



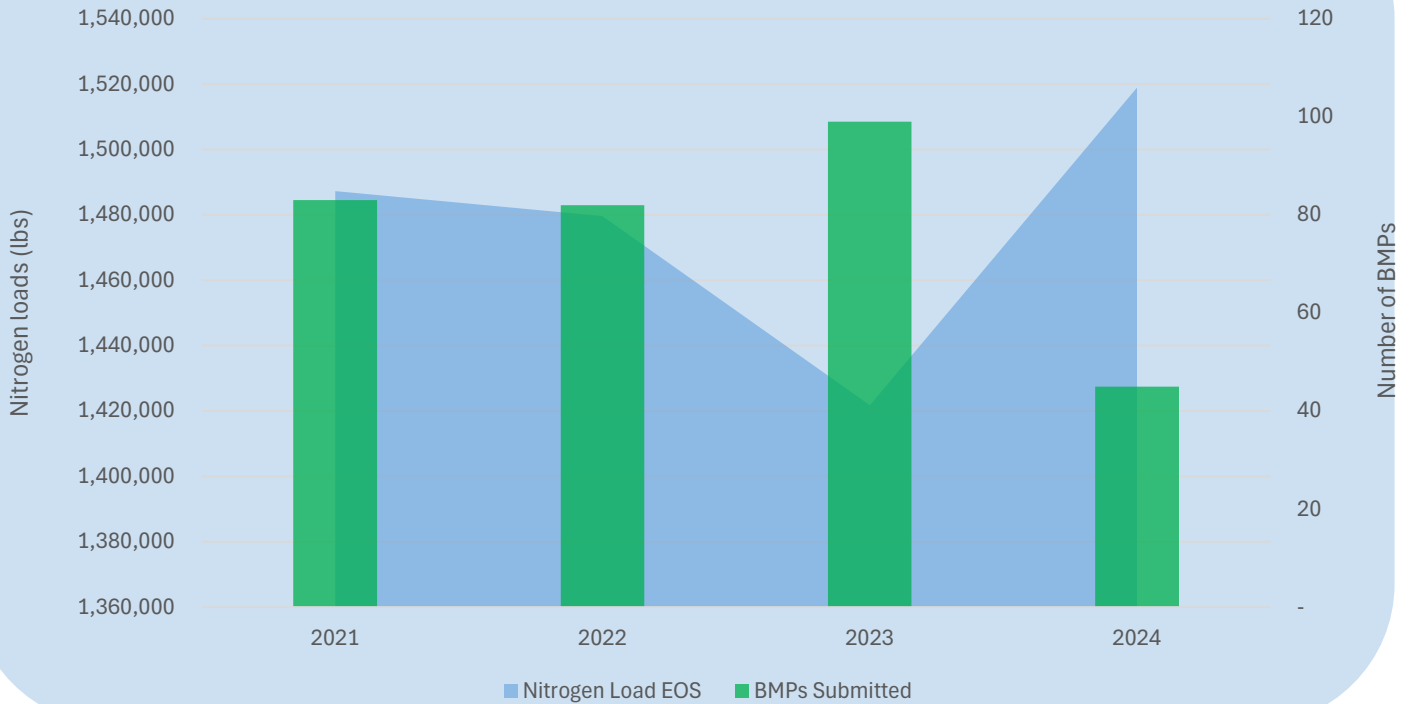
**#2**  
Nutrient  
Management Core P



**#3**  
Conversion of cropped  
land to grass-based  
agriculture

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## Montour County Progress 2021-2024



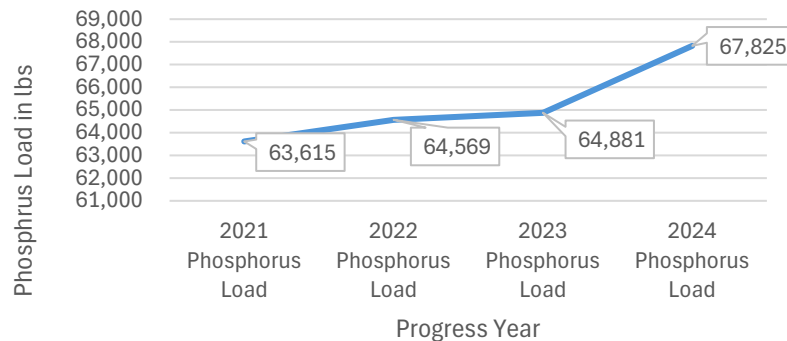
Montour County contains 7 major watersheds: Chillisquaque Creek, Fishing Creek, Mahoning Creek, Muncy Creek, Roaring Creek, and Susquehanna River, and West Branch Susquehanna River. Watersheds in Montour County have elevated levels of nitrogen, phosphorus, and sediment. Of the 306 total stream miles in Montour County, approximately 50% are impaired.

# 185

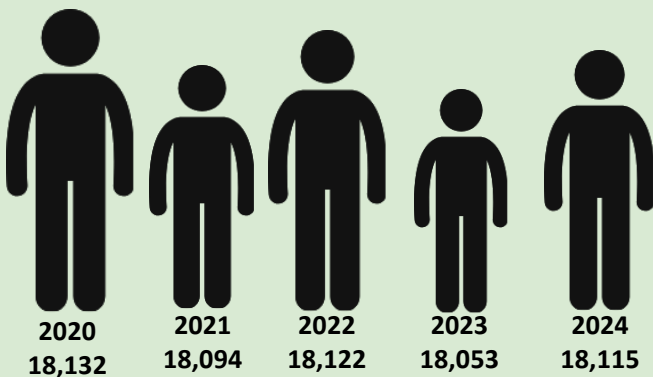
## Nutrient Impaired Stream Miles in Montour County

As you review the information provided in this Snapshot, it is important to keep in mind that several influencing factors are beyond the control of the local organizations participating in the CAP process. These include population growth, land use changes, and limitations within the Chesapeake Assessment Scenario Tool (CAST).

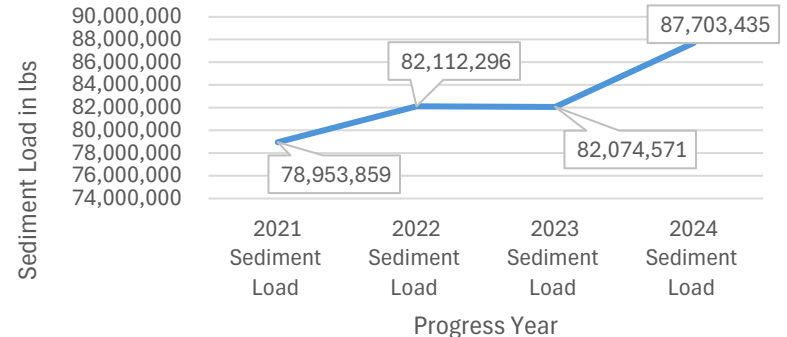
## Montour County Phosphorus Load EOS 2021-2024



## Population Change from 2020 to 2024



## Montour County Sediment Load EOS 2021-2024



Disclaimer: This dataset represents the original information submitted to NEIEN/CAST and does not reflect all active Best Management Practices (BMPs) currently in the CAST system. It may not include subsequent updates, corrections, or additions. Furthermore, this data does not account for BMP credit durations or lifespans as defined within the CAST model.