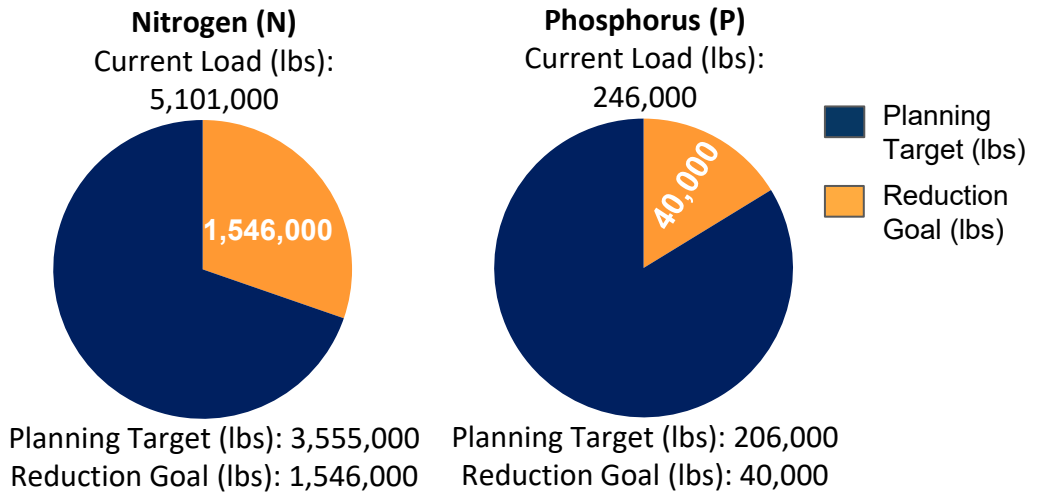


Northumberland County, Pennsylvania

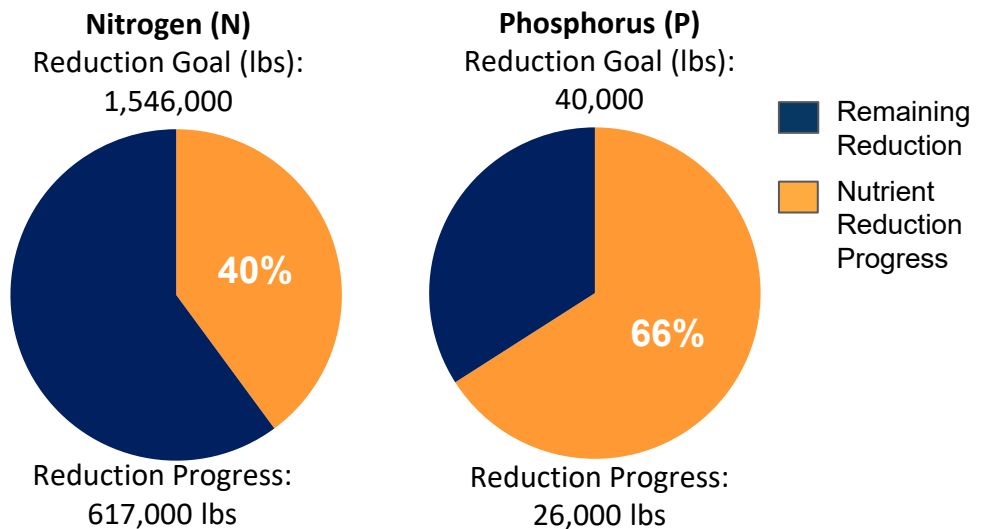
Current Conditions

Northumberland County is one of 34 counties in Pennsylvania's Chesapeake Bay Watershed that have developed Countywide Action Plans. Current loading rates are 5.10M lbs of nitrogen and 246K lbs of phosphorus annually. By 2025 Northumberland County needs to reduce 1.5M lbs of nitrogen and 40K lbs of phosphorus.



Pollutant Reduction Progress

By 2025, Northumberland County needs to reduce 1.5M lbs of nitrogen and 40K lbs of phosphorus. Northumberland County has developed a plan to reduce 617K lbs of nitrogen, which is 40% of the goal and 26K lbs of phosphorus, which is 66% of the goal.

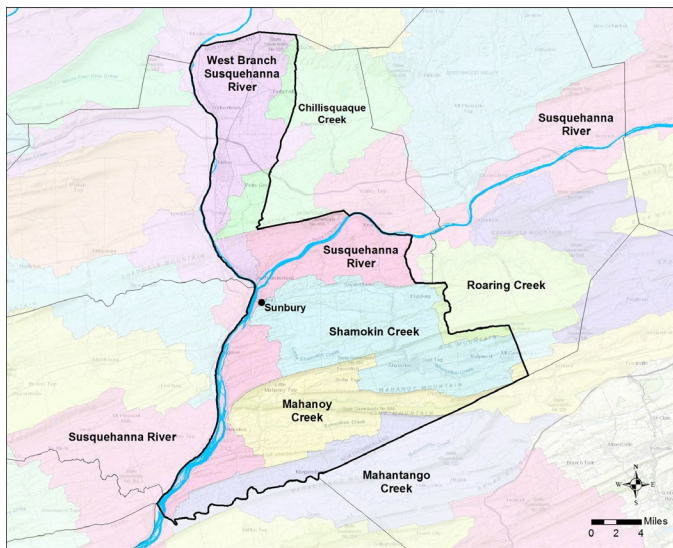


Sector Reductions

Northumberland County has identified reductions within four sectors within their planning template: agriculture, developed, natural and wastewater. Projected land use changes and population changes results in increases within the wastewater sector for phosphorus and no change in the septic sector. Northumberland County has identified practices that result in total reductions of 617K lbs of nitrogen and 26K lbs of phosphorus.

Sector	Nitrogen (lbs.)	Phosphorus (lbs.)
Agriculture	-538,000	-20,000
Developed	-30,000	-3,000
Natural	-21,000	-5,000
Septic	0	0
Wastewater	-28,000	+2,000
Total Reductions	-617,000	-26,000

Northumberland County Watershed Map



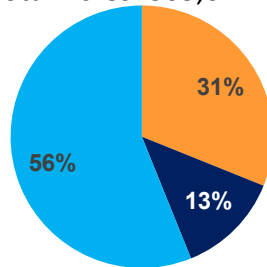
Information About the Watersheds

Northumberland County contains 7 major watersheds: Chillisquaque Creek, Mahanoy Creek, Mahantango Creek, Roaring Creek, Shamokin Creek, Susquehanna River, and West Branch Susquehanna River. Watersheds in Northumberland County have elevated levels of nitrogen, phosphorus, and sediment. Of the 950 total stream miles in Northumberland County, approximately 39% have degraded aquatic communities due to causes such as disturbance, siltation (excessive sediment), metals, nutrient pollution and others.

County Land Use:

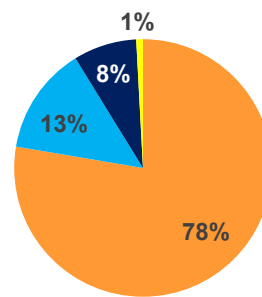
Northumberland County has a total acreage of 305,611 acres. Agricultural land represents 31% of the total land with 95,025 total acres. Developed land represents another 13% of the total land in Northumberland County. Natural land, which is made up of forests, stream, and wetlands, represents the remaining 56% of the land in Northumberland County. Cropland makes up a majority of the Agriculture sector with 73,798 acres. The developed sector is mostly Non-Municipal Separate Storm Sewer Systems (MS4s) (98%) 38,336 acres with a very small portion of MS4s (2%) 777 acres.

Northumberland County:
Total Acres: 305,611



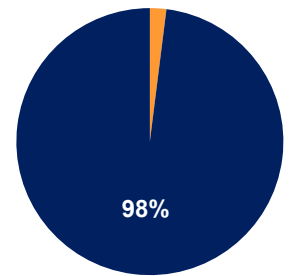
- Agriculture
- Developed
- Natural

Agriculture:
Total Acres: 95,025



- Cropland
- Hay
- Pasture
- Other Ag

Developed:
Total Acres: 39,113



- MS4
- Non-MS4

Local Benefits:

Storm events are the number one way for nutrients and sediment to enter waterways. Increased runoff impacts: flooding, water quality, habitat, etc. Pollutants enter the waterways by two methods: overland runoff or leaching into groundwater.



Flooding affects safety, property, infrastructure, and economics.



Northumberland County relies on local water sources to supply drinking water to its residents.



Just like humans, Northumberland County's livestock depend on clean water.

Learn more and Get Involved

To learn more about the Countywide Action Plans, visit DEPs Countywide Action Plans website: dep.pa.gov/cap

