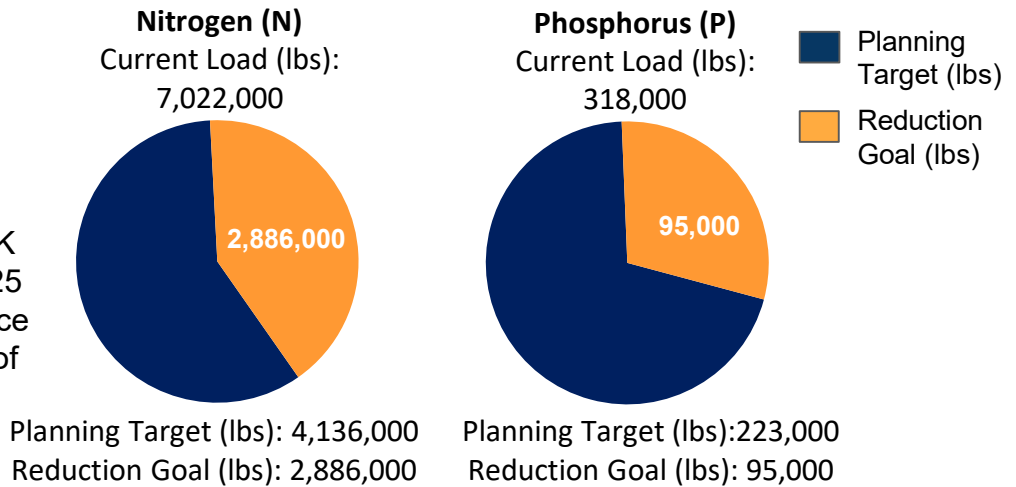


Cumberland County, Pennsylvania

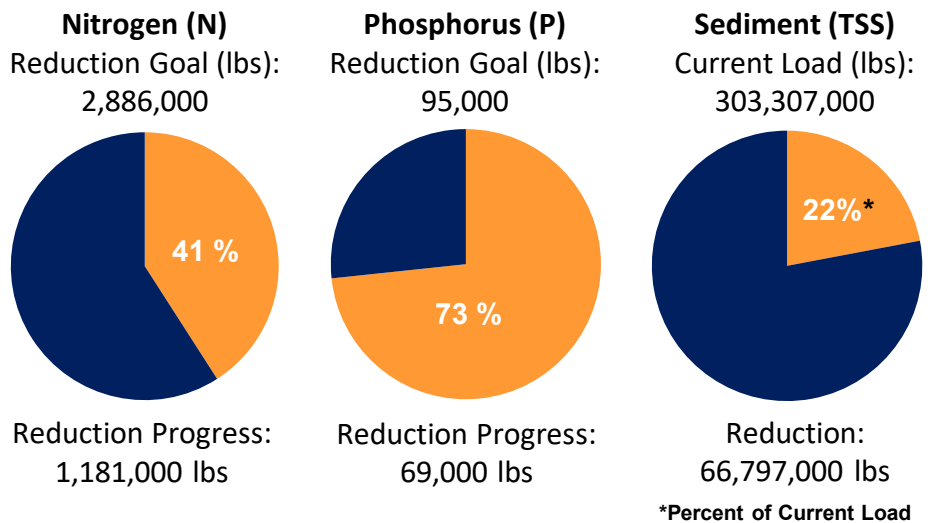
Current Conditions

Cumberland County is one of the higher loading counties in Pennsylvania’s Chesapeake Bay Watershed. Current loading rates are 7.02 M lbs of nitrogen and 318K lbs of phosphorus annually. By 2025 Cumberland County needs to reduce 2.89M lbs of nitrogen and 95K lbs of phosphorus.



Pollutant Reduction Progress

By 2025, Cumberland County needs to reduce 2.89M lbs of nitrogen and 95K lbs of phosphorus. Cumberland County has developed a plan to reduce 1.18M lbs of nitrogen, which is 41% of the goal and 69K lbs of phosphorus, which is 73% of the goal. There is no planning target for sediment, but Cumberland County’s plan reduced 66.80M lbs (22%) of the current load.



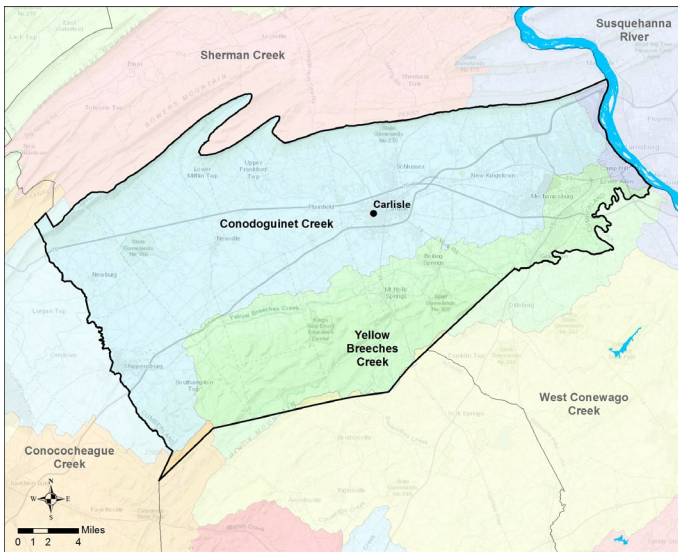
Sector Progress

Cumberland County has identified 2 sectors: agriculture and urban. Agriculture has identified practices that result in a reduction of 913k lbs of nitrogen. The developed/urban sector has identified practices that reduce 47K lbs of nitrogen. Projected land use and population changes cause an additional reduction of 221K lbs of nitrogen by 2025. This results in a net reduction of 1.81M lbs of nitrogen.

Sector	Nitrogen (lbs.)	Phosphorus (lbs.)
Agriculture	-913,000	-31,000
Urban	-47,000	-3,000
Growth Projections	-221,000	-34,000
Total Reductions	-1,181,000	-69,000

*The summation of individual sectors will be different than the total reduction of all initiatives modeled together.

Cumberland County Watershed Map



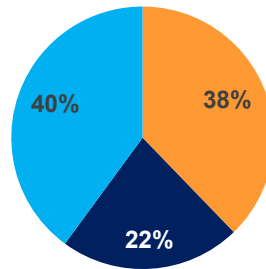
Information About the Watersheds

Cumberland County contains 2 major watersheds: Conodoguinet Creek and Yellow Breeches Creek. Watersheds in Cumberland County have elevated levels of nitrogen, phosphorus, and sediment. Of the 786 total stream miles in Cumberland County, approximately 30% have degraded aquatic communities due to causes such as disturbance, siltation (excessive sediment), metals, nutrient pollution and others.

County Land Use:

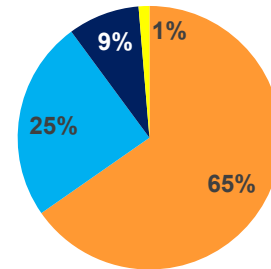
Cumberland County has a total acreage of 352,190 acres. Agricultural land represents 38% of the total land with 133,022 total acres. Developed land represents another 22% of the total land in Cumberland County. Natural land, which is made up of forests, stream, and wetlands, represents the remaining 40% of the land in Cumberland County. Cropland makes up a majority of the Agriculture sector with 86,878 acres. The developed sector is mostly Non- Municipal Separate Storm Sewer Systems (MS4s) (55%) 42,822 acres and MS4s (45%) 35,690 acres.

Cumberland County:
Total Acres: 352,190



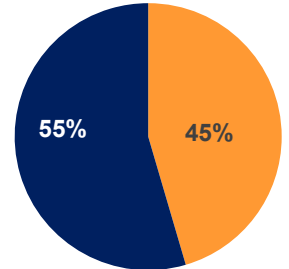
- Agriculture
- Developed
- Natural

Agriculture:
Total Acres: 133,022



- Cropland
- Hay
- Pasture
- Other Ag

Developed:
Total Acres: 78,511



- 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.



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



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

Learn more and Get Involved

To get involved with the Watershed Implementation Plan (WIP) please visit:
<https://bit.ly/2RE7Dzb>

