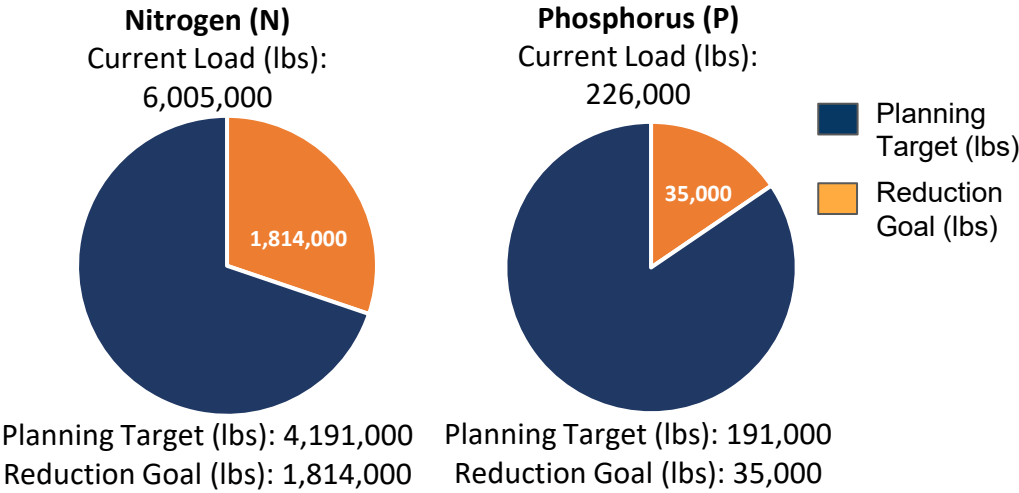


Centre County, Pennsylvania

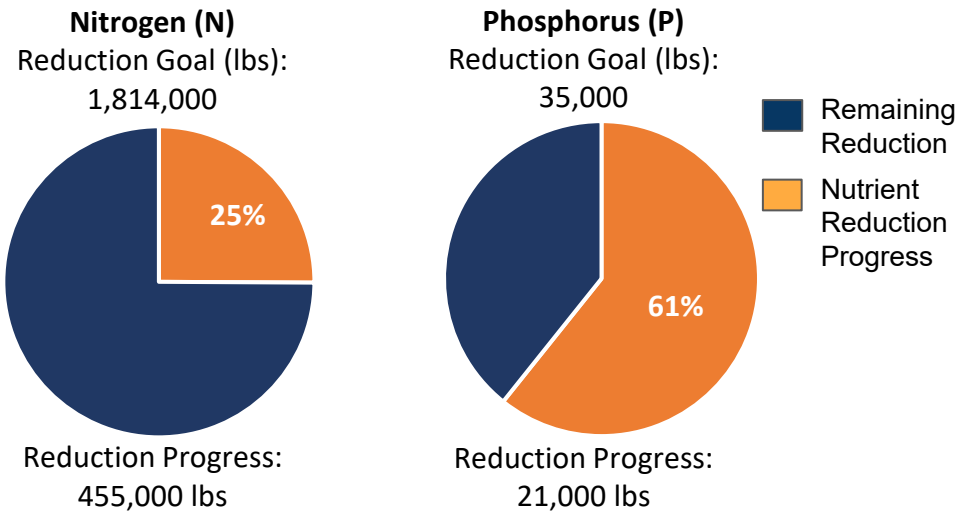
Current Conditions

Centre County is one of 34 counties in Pennsylvania's Chesapeake Bay Watershed that have developed Countywide Action Plans. Current loading rates are 6M lbs of nitrogen and 226K lbs of phosphorus annually. Centre County needs to reduce 1.8M lbs of nitrogen and 35K lbs of phosphorus in order to reach their TMDL reduction goals.



Pollutant Reduction Progress

Centre County needs to reduce 1.8M lbs of nitrogen and 35K lbs of phosphorus. Centre County has developed a plan to reduce 455K lbs of nitrogen, which is 25% of the goal, and 21K lbs of phosphorus, which is 61% of the goal.

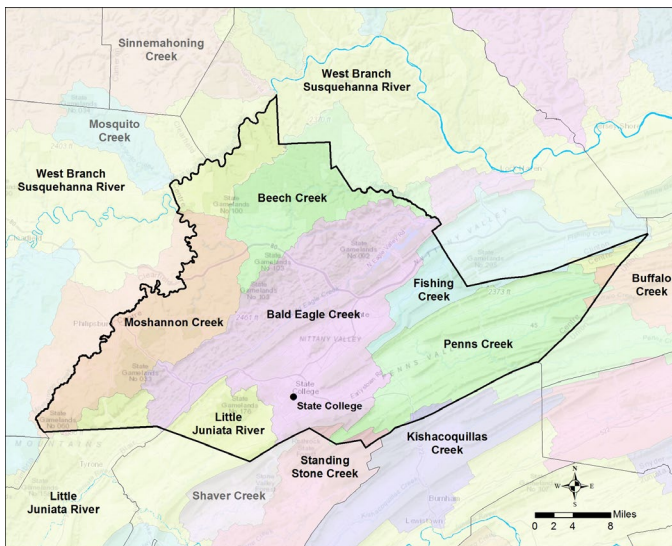


Sector Reductions

Centre County has identified reductions within three sectors within their planning template: agriculture, natural, and wastewater. Projected land use changes and population changes results in increases within the developed and septic sectors. Centre County has identified practices that result in total reductions of 455K lbs of nitrogen and 21K lbs of phosphorus.

Sector	Nitrogen (lbs)	Phosphorus (lbs)
Agriculture	-458,000	-17,000
Developed	-31,000	-2,000
Natural	-28,000	-9,000
Septic	+2,000	-
Wastewater	-60,000	+6,000
Total Reductions	-455,000	-21,000

Centre County Watershed Map



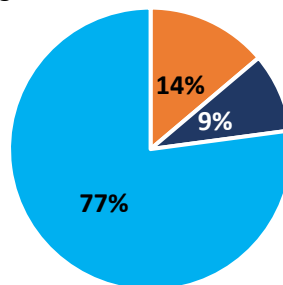
Information About the Watersheds

Centre County contains 7 major watersheds: Beech Creek, Moshannon Creek, Bald Eagle Creek, Fishing Creek, Little Juniata River, Penns Creek, and the West Branch Susquehanna River. Watersheds in Centre County have elevated levels of nitrogen, phosphorus, and sediment. Of the 1,850 total stream miles in Centre County, approximately 16% are impaired.

County Land Use:

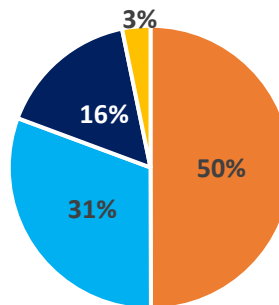
Centre County has a total acreage of 712,306 acres. Agricultural land represents 14% of the total land with 98,469 total acres. Developed land represents another 9% of the total land in Centre County. Natural land, which is made up of forests, streams, and wetlands, represents the remaining 77% of the land in Centre County. Cropland makes up a majority of the Agriculture sector with 49,227 acres. The developed sector is mostly Non-Municipal Separate Storm Sewer Systems (MS4s) (81%: 52,185 acres) and a smaller portion of MS4 (19%: 12,264 acres).

Centre County:
Total Acres: 712,306



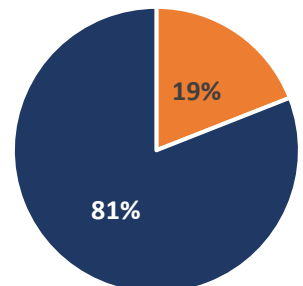
■ Agriculture
■ Developed
■ Natural

Agriculture:
Total Acres: 98,469



■ Cropland
■ Hay
■ Pasture
■ Other Ag

Developed:
Total Acres: 65,241



■ MS4
■ Non MS4

Local Benefits:

Storm events are the number one way for nutrients and sediment to enter waterways. Increased runoff impacts include 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.



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



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

Learn More and Get Involved

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