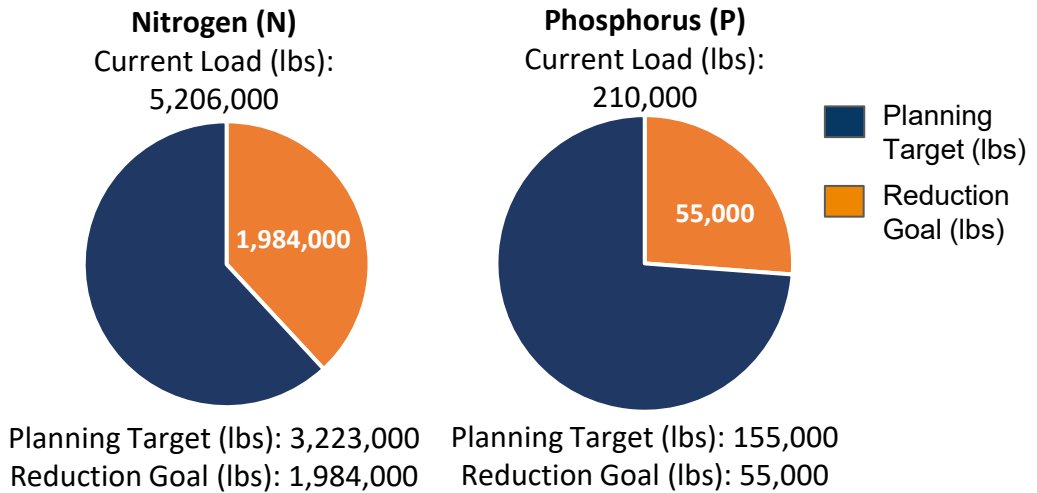


Lebanon County, Pennsylvania

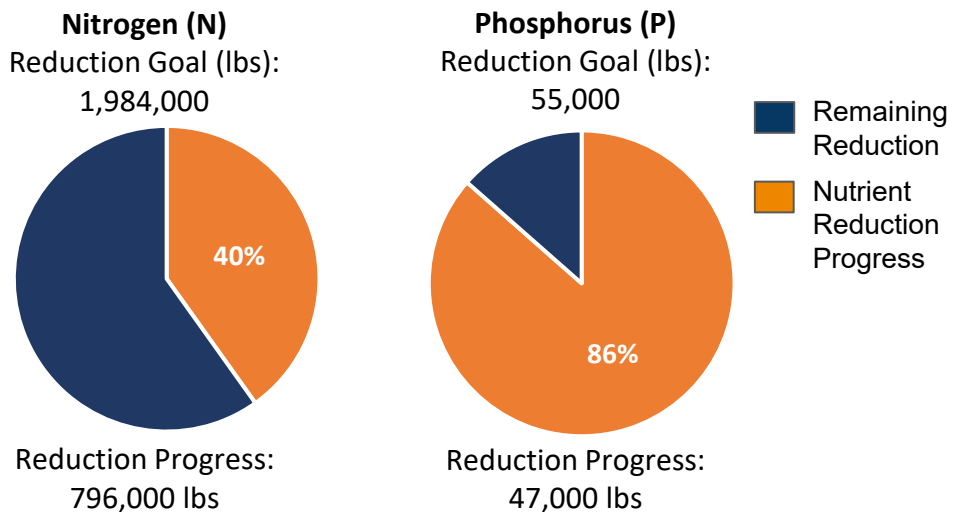
Current Conditions

Lebanon County is one of 34 counties in Pennsylvania's Chesapeake Bay Watershed that have developed Countywide Action Plans. Current loading rates are 5.2M lbs of nitrogen and 210K lbs of phosphorus annually. Lebanon County needs to reduce 1.98M lbs of nitrogen and 55K lbs of phosphorus in order to reach their TMDL reduction goals.



Pollutant Reduction Progress

Lebanon County needs to reduce 1.98M lbs of nitrogen and 55K lbs of phosphorus. Lebanon County has developed a plan to reduce 796K lbs of nitrogen, which is 40% of the goal and 47K lbs of phosphorus, which is 86% of the goal.

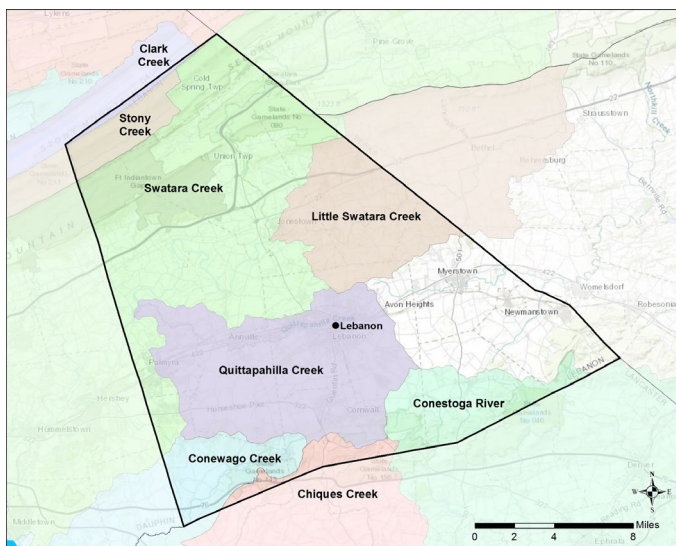


Sector Reductions

Lebanon 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 septic sector. Lebanon County has identified practices that result in total reductions of 796K lbs of nitrogen and 47K lbs of phosphorus.

Sector	Nitrogen (lbs)	Phosphorus (lbs)
Agriculture	-867,000	-39,000
Developed	-36,000	-3,000
Natural	-8,000	-8,000
Septic	+1,000	-
Wastewater	+114,000	+3,000
Total Reductions	-796,000	-47,000

Lebanon County Watershed Map



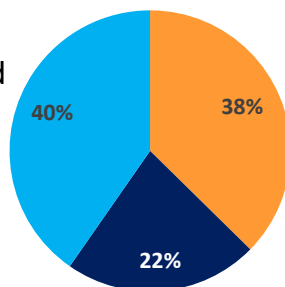
Information About the Watersheds

Lebanon County contains 8 major watersheds: Clark Creek, Stony Creek, Swatara Creek, Little Swatara Creek, Quittapahilla Creek, Conewago Creek, Chiques Creek, and Conestoga Creek. Watersheds in Lebanon County have elevated levels of nitrogen, phosphorus, and sediment. Of the 572 total stream miles in Lebanon County, approximately 55% are impaired.

County Land Use:

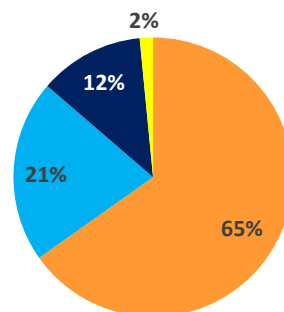
Lebanon County has a total acreage of 197,310 acres in the Bay watershed. Agricultural land represents 38% of the total land with 75,442 total acres. Developed land represents another 22% of the total land in Lebanon County. Natural land, which is made up of forests, streams, and wetlands, represents the remaining 40% of the land in Lebanon County. Cropland makes up a majority of the Agriculture sector with 48,056 acres. The developed sector is mostly Non-Municipal Separate Storm Sewer Systems (MS4s) (61%: 26,784 acres) and a smaller portion of MS4 (39%: 17,245 acres).

Lebanon County:
Total Acres: 197,310



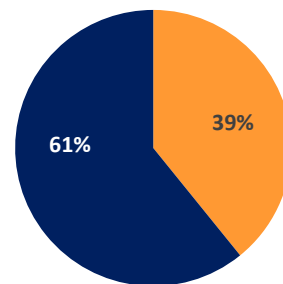
■ Agriculture
■ Developed
■ Natural

Agriculture:
Total Acres: 75,442



■ Cropland
■ Hay
■ Pasture
■ Other Ag

Developed:
Total Acres: 42,302



■ 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.



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



Just like humans, Lebanon 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

