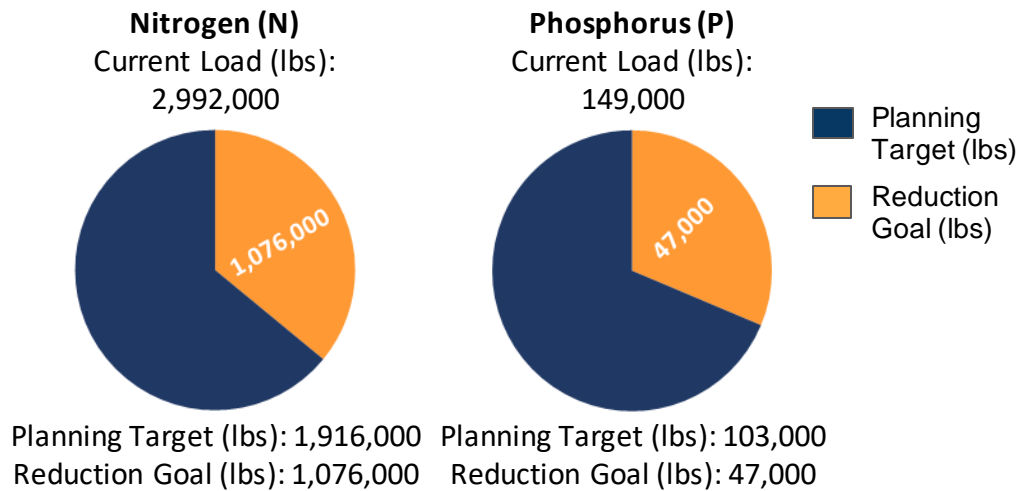


# Juniata County, Pennsylvania

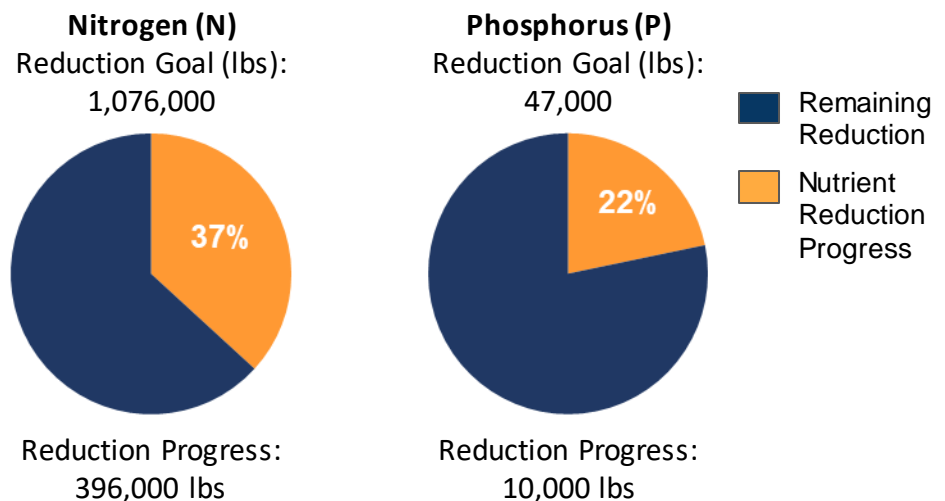
## Current Conditions

Juniata County is one of 34 counties in Pennsylvania's Chesapeake Bay Watershed that have developed Countywide Action Plans. Current loading rates are 2.99M lbs of nitrogen and 149K lbs of phosphorus annually. By 2025 Juniata County needs to reduce 1.08M lbs of nitrogen and 47K lbs of phosphorus.



## Pollutant Reduction Progress

By 2025, Juniata County needs to reduce 1.08M lbs of nitrogen and 47K lbs of phosphorus. Juniata County has developed a plan to reduce 396K lbs of nitrogen, which is 37% of the goal and 10K lbs of phosphorus, which is 22% of the goal.

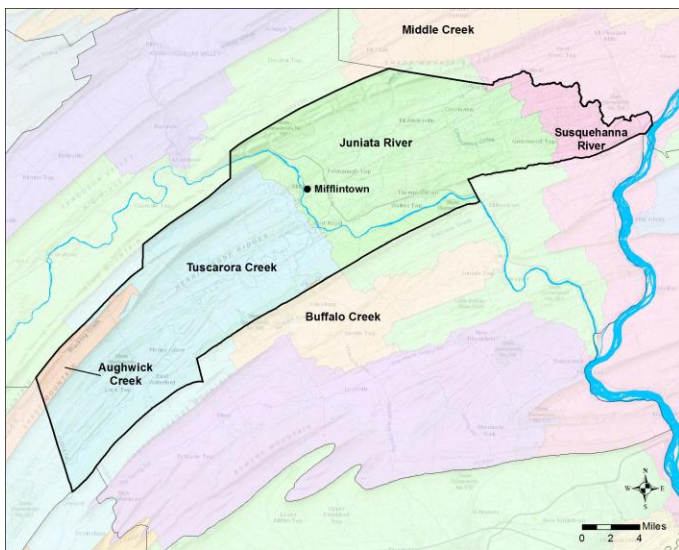


## Sector Reductions

Juniata County has identified reductions within four sectors within their planning template: agriculture, developed, natural, and septic. Projected land use changes and population changes results in increases within the wastewater sector. Juniata County has identified practices that result in total reductions of 396K lbs of nitrogen and 10K lbs of phosphorus.

Sector	Nitrogen (lbs.)	Phosphorus (lbs.)
Agriculture	-400,000	-10,000
Developed	-2,000	-200
Natural	-21,000	-3,000
Septic	-400	-
Wastewater	+27,000	+3,000
<b>Total Reductions</b>	<b>-396,000</b>	<b>-10,000</b>

# Juniata County Watershed Map



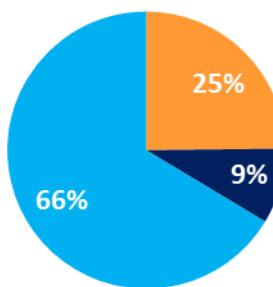
## Information About the Watersheds

Juniata County contains 4 major watersheds: Aughwick Creek, Tuscarora Creek, Juniata River and Susquehanna River. Watersheds in Juniata County have elevated levels of nitrogen, phosphorus, and sediment. Of the 773 total stream miles in Juniata County, approximately 16% have degraded aquatic communities due to causes such as disturbance, siltation (excessive sediment), nutrient pollution, metals, and others.

## County Land Use:

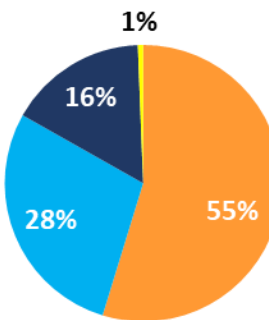
Juniata County has a total acreage of 251,848 acres in the Bay watershed. Agricultural land represents 25% of the total land with 62,500 total acres. Developed land represents another 9% of the total land in Juniata County. Natural land, which is made up of forests, stream, and wetlands, represents the remaining 66% of the land in Juniata County. Cropland makes up a majority of the Agriculture sector with 34,212 acres. The developed sector is mostly Non-Municipal Separate Storm Sewer Systems (MS4s) (99.7%) 22,097 acres with a very small portion of MS4s (0.3%) 74 acres.

**Juniata County:**  
Total Acres: 251,848



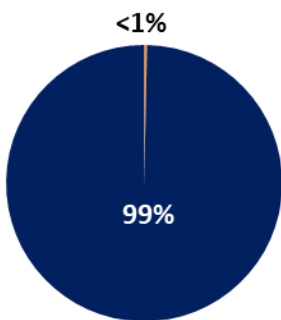
■ Agriculture  
■ Developed  
■ Natural

**Agriculture:**  
Total Acres: 62,500



■ Cropland  
■ Hay  
■ Pasture  
■ Other Ag

**Developed:**  
Total Acres: 22,171



■ 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.



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



Just like humans, Juniata 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: [www.dep.pa.gov/pacountywideactionplans.org](http://www.dep.pa.gov/pacountywideactionplans.org)

To learn more about how to get involved, go to the Join In website ([www.dep.pa.gov/joinpacap.org](http://www.dep.pa.gov/joinpacap.org)) to find a contact person for each county.

