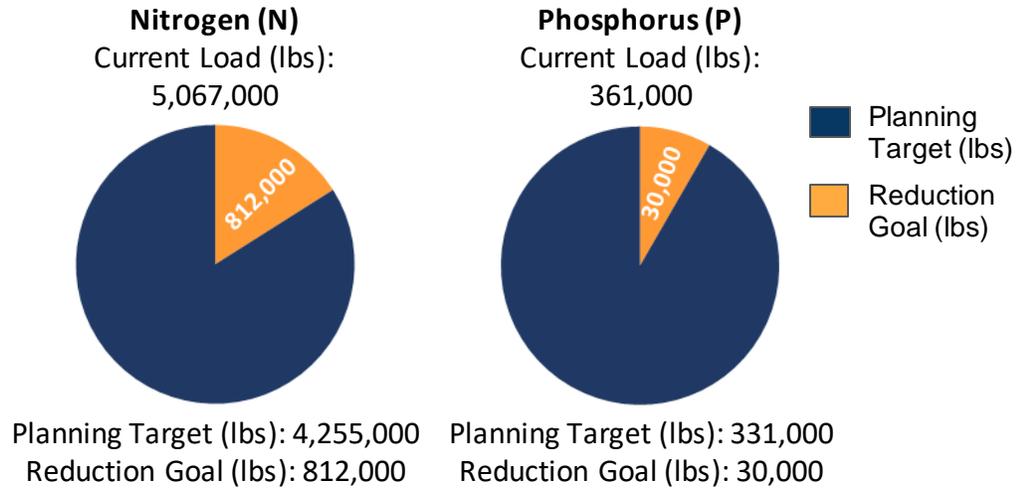


# Dauphin County, Pennsylvania

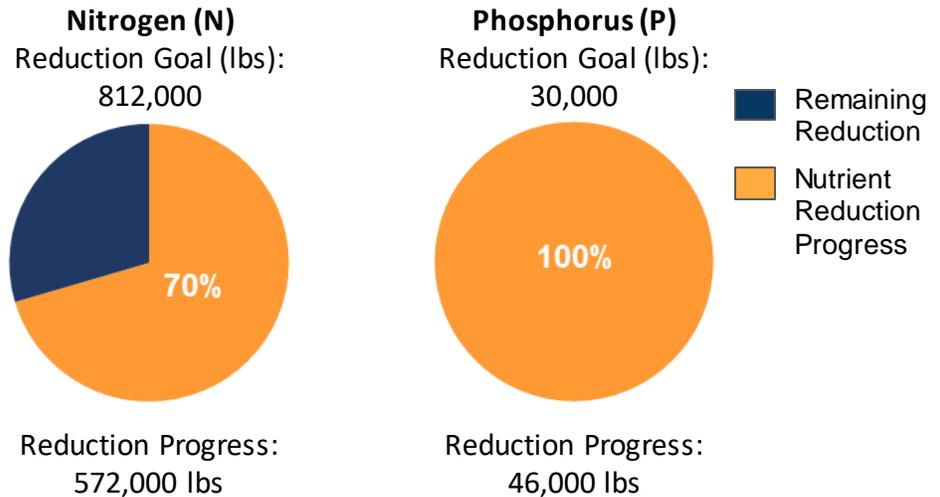
## Current Conditions

Dauphin County is one of 34 counties in Pennsylvania's Chesapeake Bay Watershed that have developed Countywide Action Plans. Current loading rates are 5.07M lbs of nitrogen and 361K lbs of phosphorus annually. By 2025 Dauphin County needs to reduce 812K lbs of nitrogen and 30K lbs of phosphorus.



## Pollutant Reduction Progress

By 2025, Dauphin County needs to reduce 812K lbs of nitrogen and 30K lbs of phosphorus. Dauphin County has developed a plan to reduce 572K lbs of nitrogen, which is 70% of the goal and 46K lbs of phosphorus, which is over 100% of the goal.

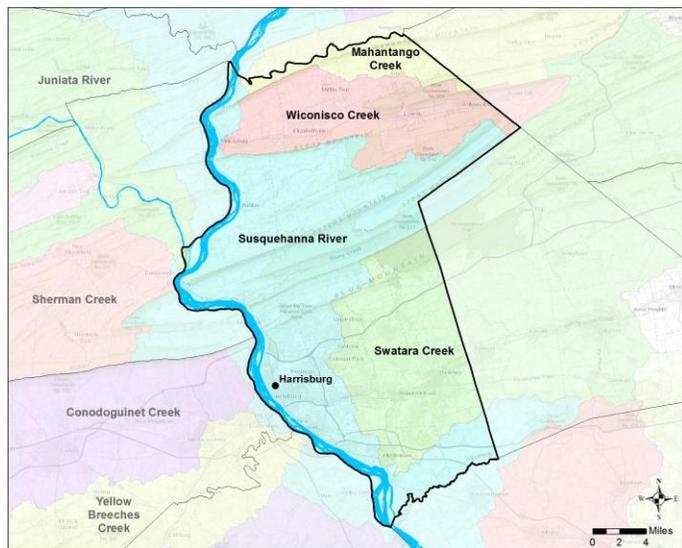


## Sector Reductions

Dauphin 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 two sectors: developed and septic. Dauphin County has identified practices that result in total reductions of 572K lbs of nitrogen and 46K lbs of phosphorus.

| Sector                  | Nitrogen (lbs.) | Phosphorus (lbs.) |
|-------------------------|-----------------|-------------------|
| Agriculture             | -486,000        | -18,000           |
| Developed               | +16,000         | -200              |
| Natural                 | -15,000         | -7,000            |
| Septic                  | +2,000          | -                 |
| Wastewater              | -89,000         | -22,000           |
| <b>Total Reductions</b> | <b>-572,000</b> | <b>-46,000</b>    |

# Dauphin County Watershed Map



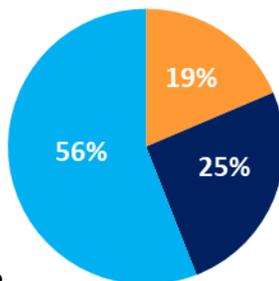
## Information About the Watersheds

Dauphin County contains 4 major watersheds: Mahantango Creek, Wiconisco Creek, Swatara Creek, and the mainstem Susquehanna River. Watersheds in Dauphin County have elevated levels of nitrogen, phosphorus, and sediment. Of the 1,100 total stream miles in Dauphin County, approximately 38% have degraded aquatic communities due to causes such as disturbance, siltation (excessive sediment), metals, nutrient pollution and others.

## County Land Use:

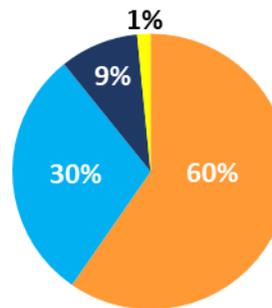
Dauphin County has a total acreage of 357,233 acres in the Bay watershed. Agricultural land represents 19% of the total land with 66,404 total acres. Developed land represents another 25% of the total land in Dauphin County. Natural land, which is made up of forests, stream, and wetlands, represents the remaining 56% of the land in Dauphin County. Cropland makes up a majority of the Agriculture sector with 39,602 acres. The developed sector is mostly Non-Municipal Separate Storm Sewer Systems (MS4s) (58%) 52,969 acres and a smaller portion of MS4s (42%) 37,985 acres.

**Dauphin County:**  
Total Acres: 357,233



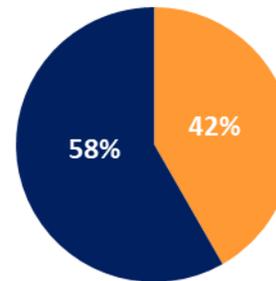
■ Agriculture  
■ Developed  
■ Natural

**Agriculture:**  
Total Acres: 66,404



■ Cropland  
■ Hay  
■ Pasture  
■ Other Ag

**Developed:**  
Total Acres: 90,954



■ 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.



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



Just like humans, Dauphin 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.

