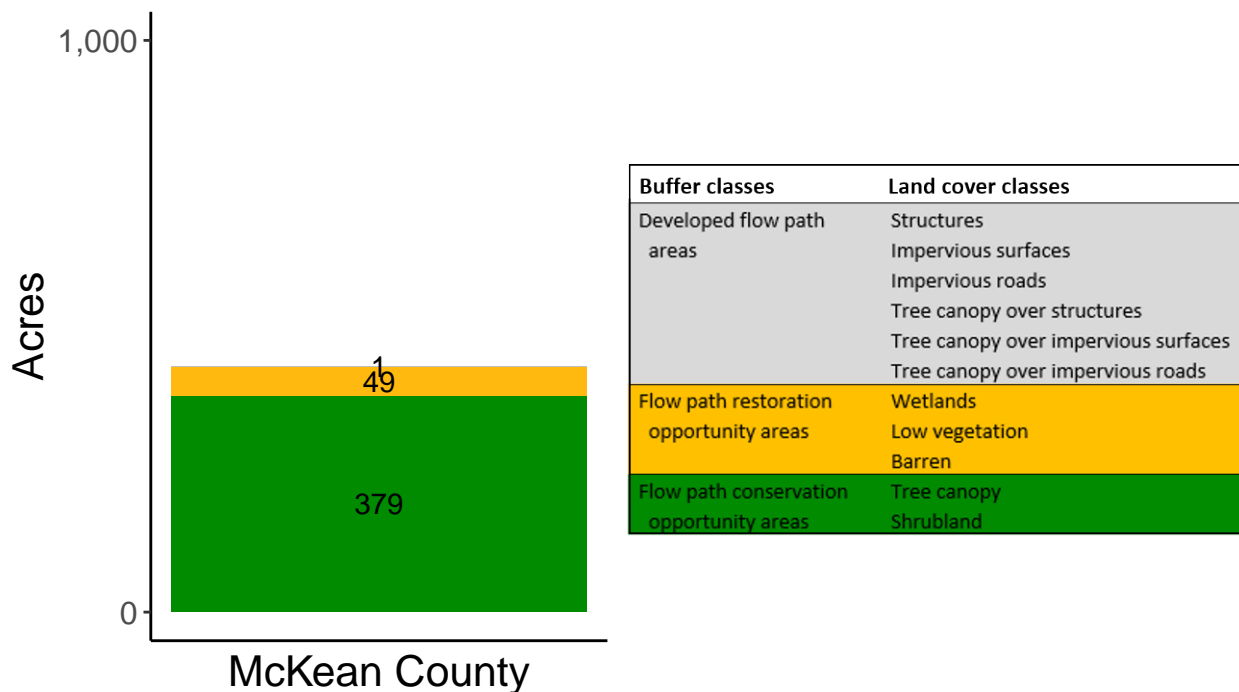# McKean County Forest Buffer Summary
# 35 ft. Width

*Created by: Chesapeake Conservancy, February 2019*

## Data Description

The buffer analysis is based on two Geospatial Information Systems (GIS) datasets created by Chesapeake Conservancy and partners. The enhanced flow path water network dataset was derived from 2006 & 2008 PAMAP Statewide digital elevation models (DEMs), developed from Lidar data. Channel heads were assigned where upslope drainage accumulation reached 60 acres. Flow paths were widened based on US Geological Survey regional curves and enhanced with high-resolution land cover. The high-resolution land cover dataset was derived from 2013 National Agriculture Inventory Program imagery. Both datasets have a spatial resolution of 1 meter. Pixels from the high-resolution land cover dataset within 35 ft. and 100 ft. distances of the enhanced flow path water network were considered in the buffer analysis. For more information and to download datasets, go to www.ChesapeakeConservancy.org and search for "data downloader."

## County Summary

McKean County contains a total of 49 acres of flow path restoration opportunity area, and has 88.21% forest buffer coverage. McKean County has incomplete buffer data coverage.



| Buffer classes | Land cover classes |
|---|---|
| Developed flow path areas | Structures |
| | Impervious surfaces |
| | Impervious roads |
| | Tree canopy over structures |
| | Tree canopy over impervious surfaces |
| | Tree canopy over impervious roads |
| Flow path restoration opportunity areas | Wetlands |
| | Low vegetation |
| | Barren |
| Flow path conservation opportunity areas | Tree canopy |
| | Shrubland |

# Municipal Separate Storm Sewer System (MS4) Regulated Municipality Summary
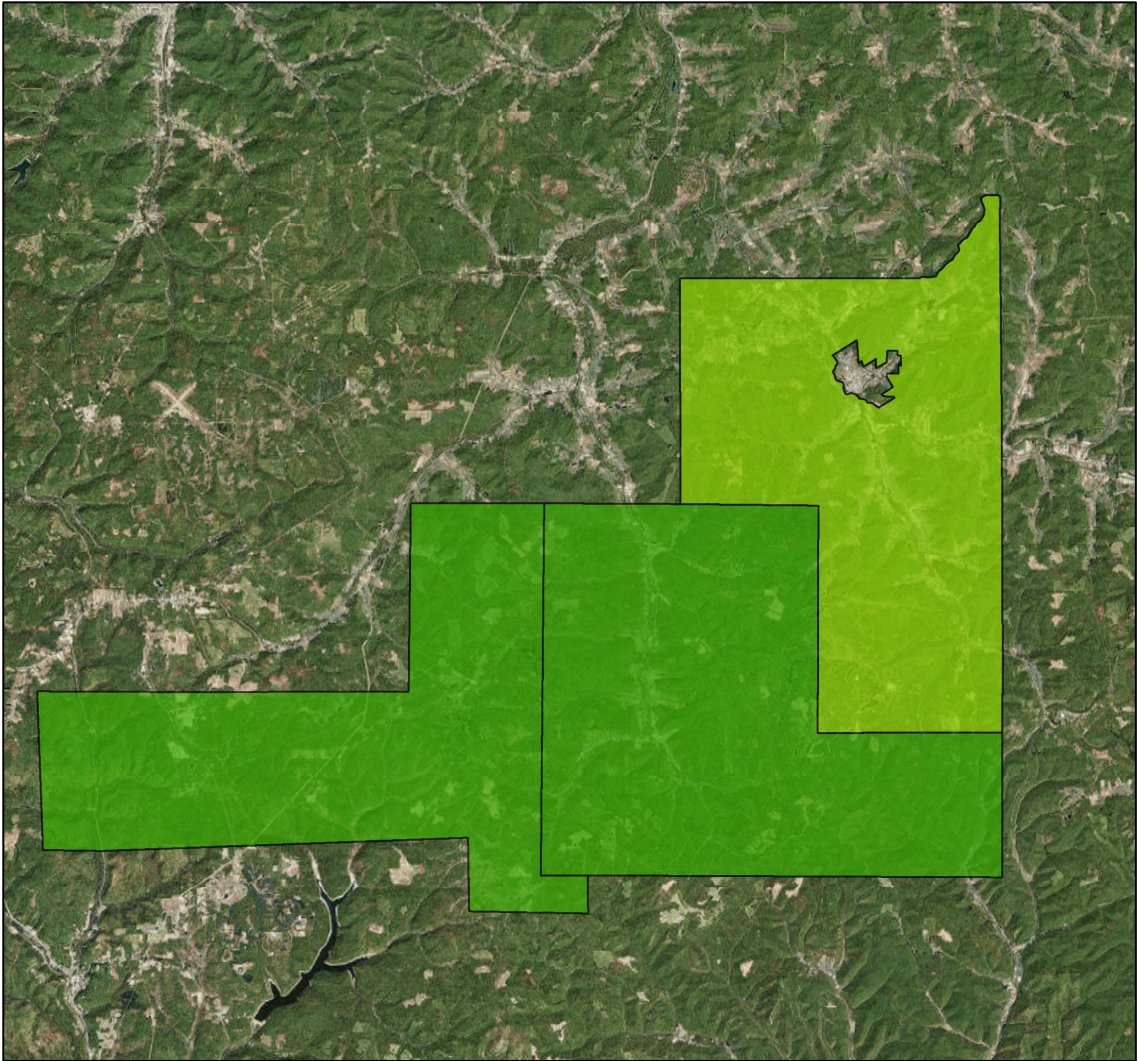
## Totals by Municipalities
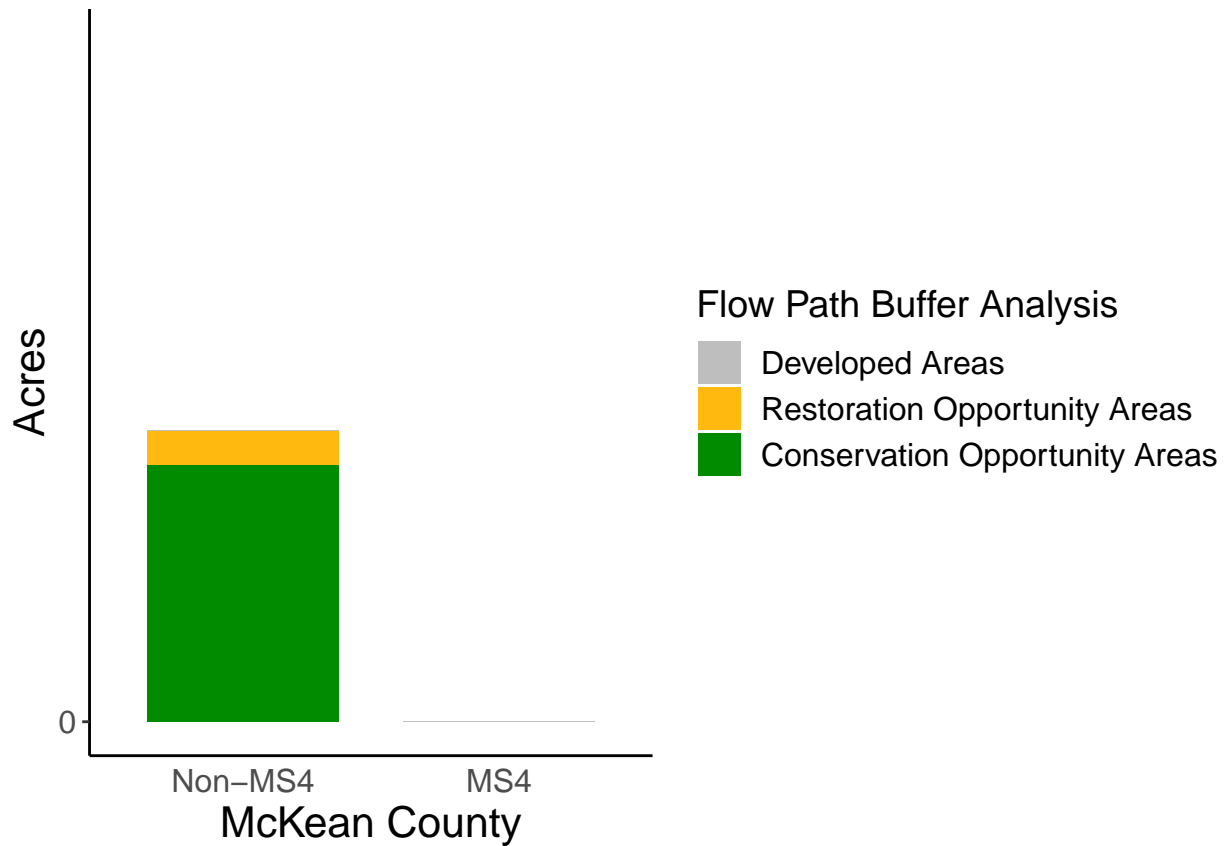


McKean County does not contain any MS4 Municipalities.

## Averages for MS4 and Non-MS4 Municipalities

|  | Non-MS4 | MS4 |
|---|---|---|
| Conservation Opportunity Areas (Acres) | 126 | 0 |
| Restoration Opportunity Areas (Acres) | 16 | 0 |
| Developed Areas (Acres) | 0 | 0 |
| Total Buffer Acres | 143 | 0 |
| Percent Forest Buffer Coverage (%) | 85.22 | 0.00 |

**McKean County Municipalities**

**35' Buffer Coverage (%)**

| | |
|---|---|
| 🟥 | 0 - 20% |
| 🟧 | 20 - 50% |
| 🟨 | 50 - 60% |
| 🟩 | 60 - 70% |
| 🟩 | 70 - 100% |

0    5    10
Miles

N

| Municipality | MS4 | Total 35 ft buffer acres | Conservation opportunity areas (acres) | Restoration opportunity areas (acres) | Developed areas (acres) | Percent forest buffer coverage (%) |
|---|---|---|---|---|---|---|
| LIBERTY | 0 | 41 | 28 | 13 | 0 | 67.76 |
| NORWICH | 0 | 373 | 336 | 36 | 1 | 90.09 |
| SERGEANT | 0 | 15 | 15 | 0 | 0 | 97.80 |

*
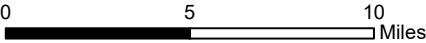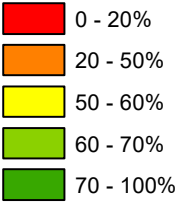
Non-MS4 Regulated Municipalities

Flow Path Buffer Analysis

- Developed Areas
- Restoration Opportunity Areas
- Conservation Opportunity Areas

Acres

400

200

0

SERGEANT

NORWICH

LIBERTY

McKean County