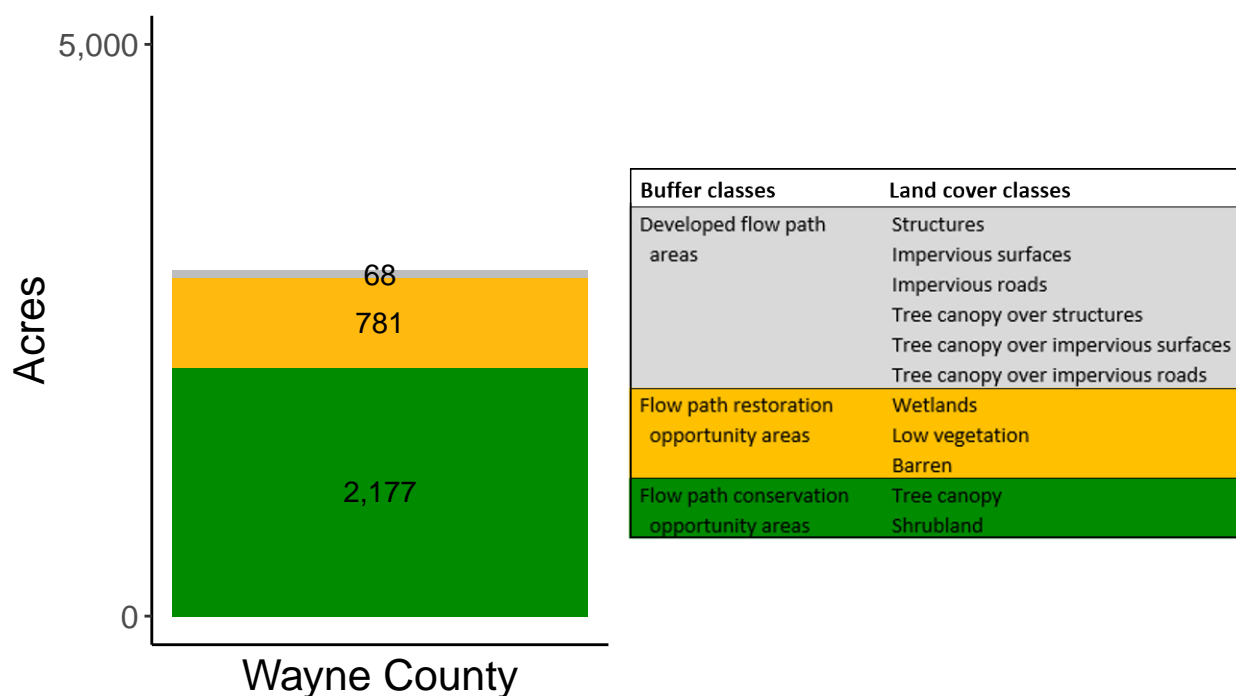# Wayne County Forest Buffer Summary
100 ft. Width

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

Wayne County contains a total of 781 acres of flow path restoration opportunity area, and has 71.95% forest buffer coverage. Wayne 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
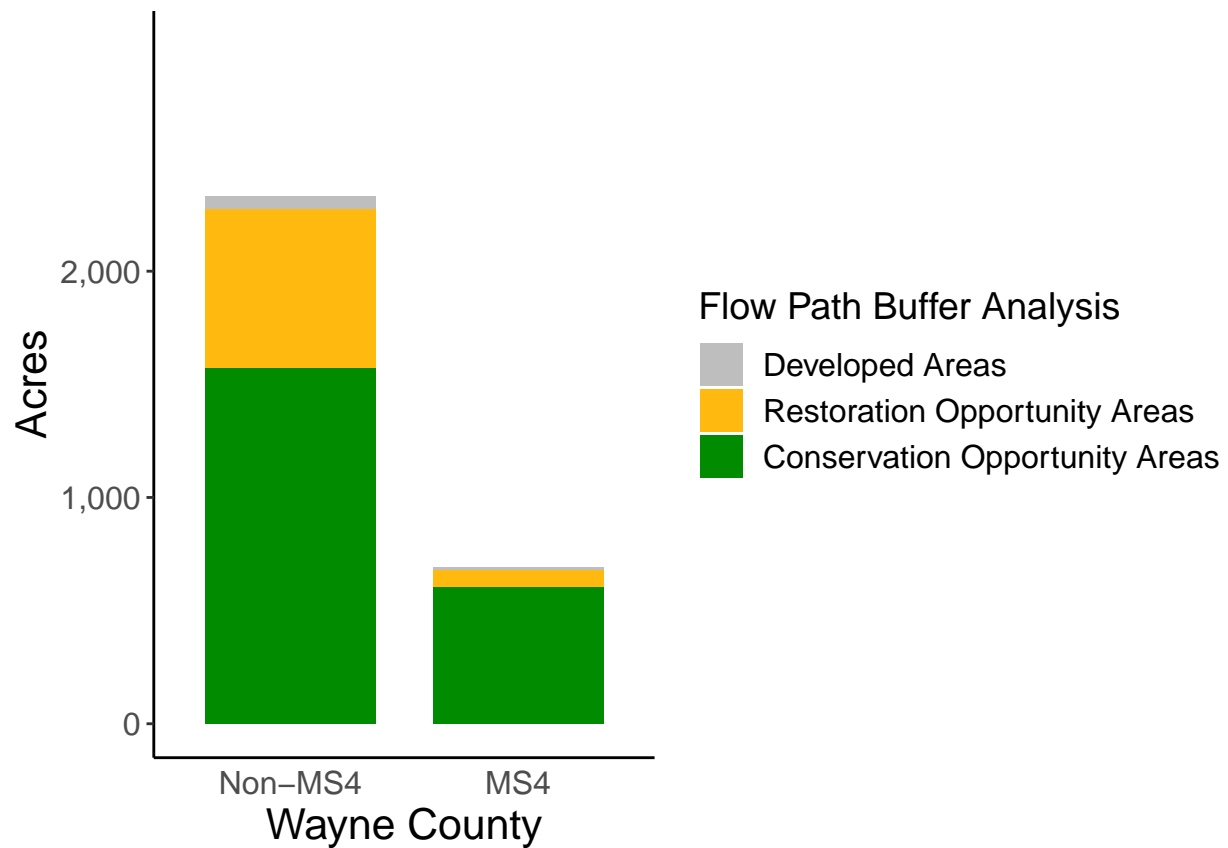
Averages for MS4 and Non-MS4 Municipalities
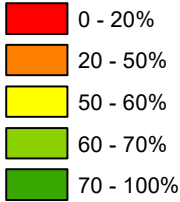
	Non-MS4	MS4
Conservation Opportunity Areas (Acres)	314	303
Restoration Opportunity Areas (Acres)	141	37
Developed Areas (Acres)	11	6
Total Buffer Acres	467	346
Percent Forest Buffer Coverage (%)	70.77	87.55
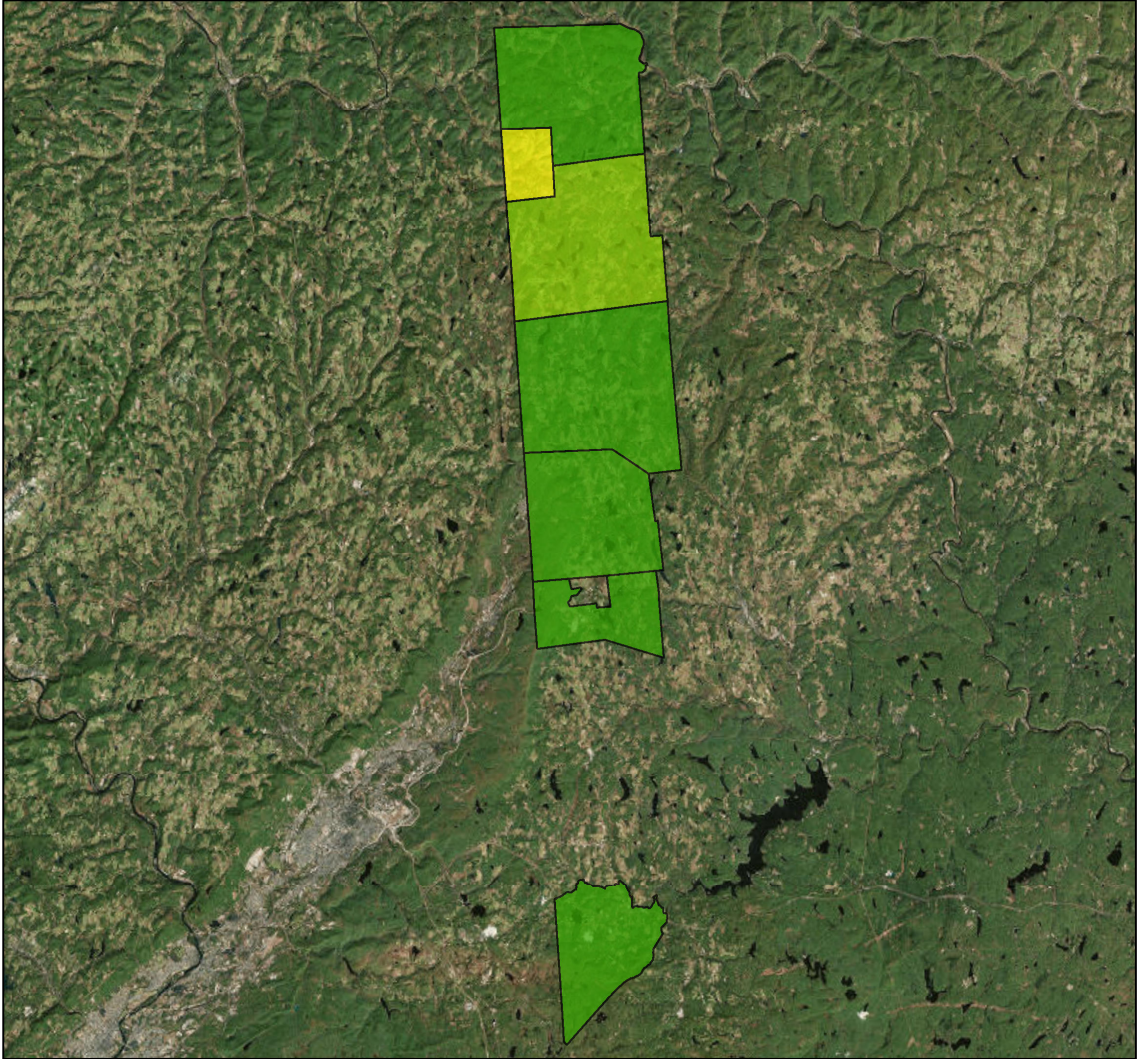
Wayne County Municipalities

100' Buffer Coverage (%)

- ■ 0 - 20%
- ■ 20 - 50%
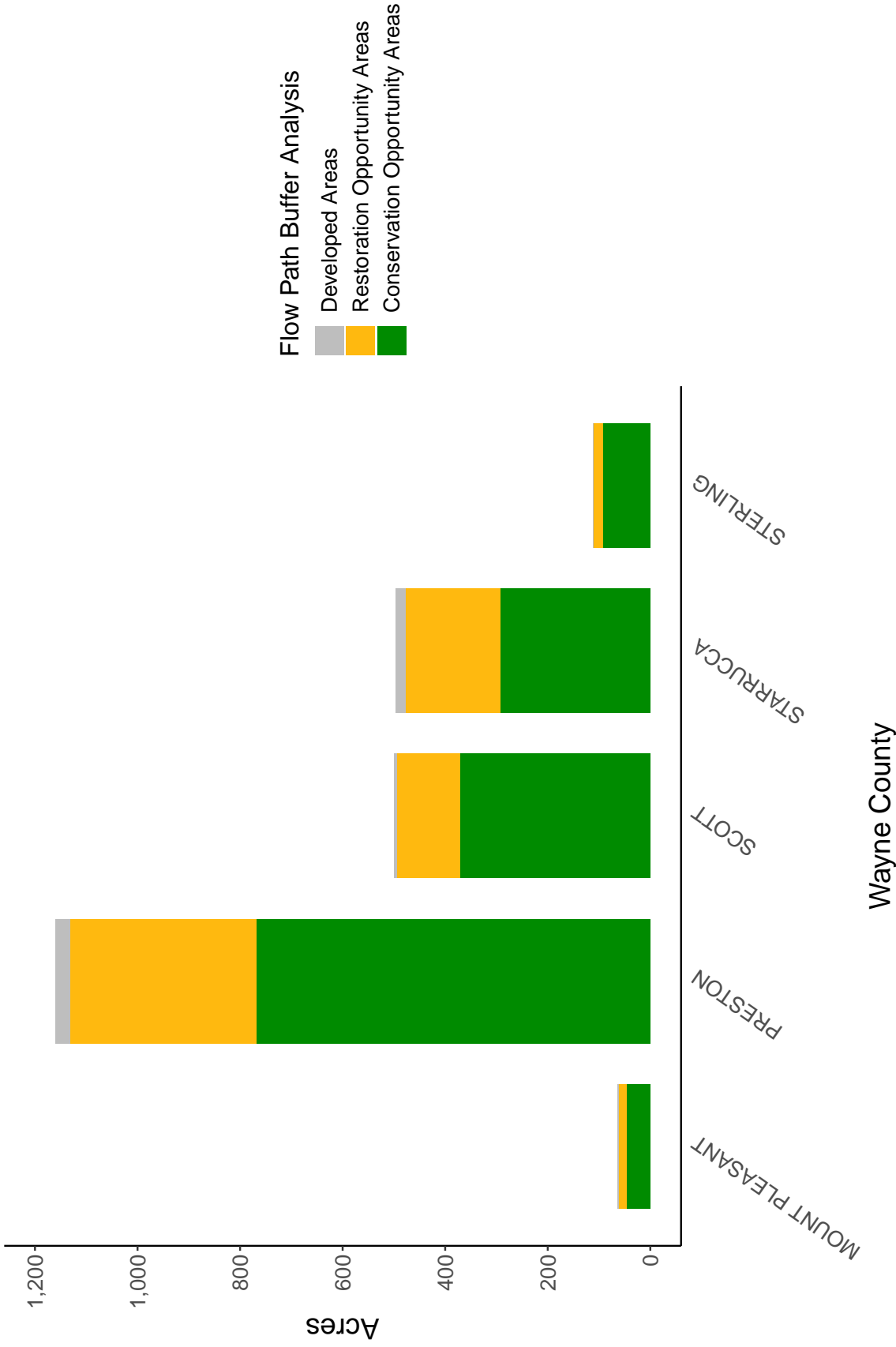- ■ 50 - 60%
- ■ 60 - 70%
- ■ 70 - 100%

0   5   10   20
Miles

N
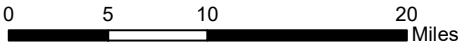
Municipality	MS4	Total 100 ft buffer acres	Conservation opportunity areas (acres)	Restoration opportunity areas (acres)	Developed areas (acres)	Percent forest buffer coverage (%)
MOUNT PLEASANT	0	64	46	16	2	71.76
PRESTON	0	1,160	768	364	29	66.17
SCOTT	0	501	372	122	6	74.39
STARRUCCA	0	498	293	184	20	58.88
STERLING	0	111	92	19	0	82.68
CANAAN	1	110	96	11	2	87.53
CLINTON	1	583	510	63	9	87.57

Flow Path Buffer Analysis

Developed Areas
Restoration Opportunity Areas
Conservation Opportunity Areas

Non-MS4 Regulated Municipalities

Wayne County

Acres

MS4 Regulated Municipalities

Wayne County

Flow Path Buffer Analysis

- Developed Areas
- Restoration Opportunity Areas
- Conservation Opportunity Areas

Acres