Union County Forest Buffer Summary 100 ft. Width

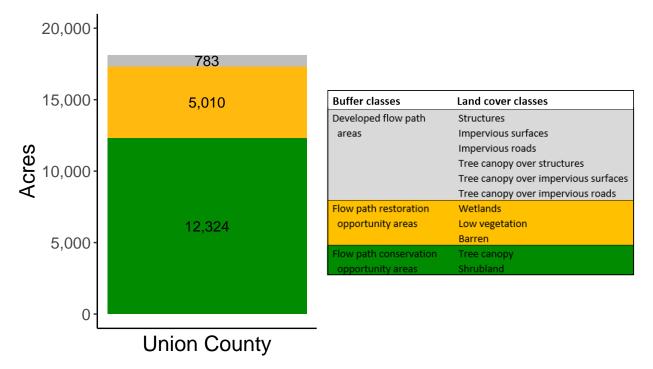
Created by: Chesapeake Conservancy, February 2019

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."

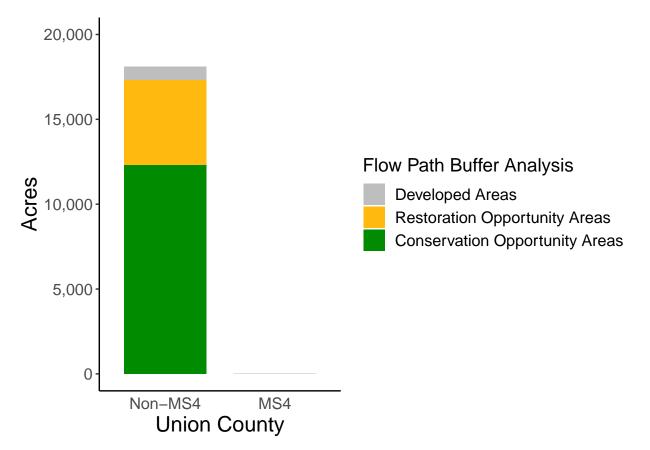
County Summary

Union County contains a total of 5,010 acres of flow path restoration opportunity area, and has 68.03% forest buffer coverage. Union County has complete buffer data coverage.



Municipal Separate Storm Sewer System (MS4) Regulated Municipality Summary

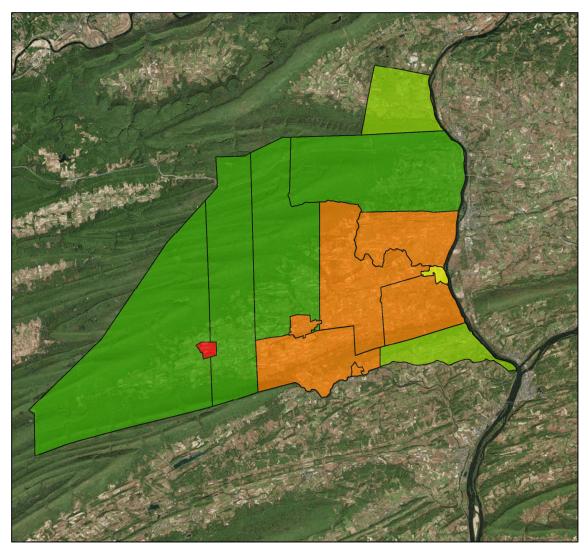
Totals by Municipalities



Union County does not contain any MS4 Municipalities.

Averages for MS4 and Non-MS4 Municipalities

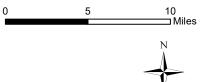
	Non-MS4	MS4
Conservation Opportunity Areas (Acres)	880	0
Restoration Opportunity Areas (Acres)	358	0
Developed Areas (Acres)	56	0
Total Buffer Acres	1294	0
Percent Forest Buffer Coverage (%)	54.14	0.00



Union County Municipalities

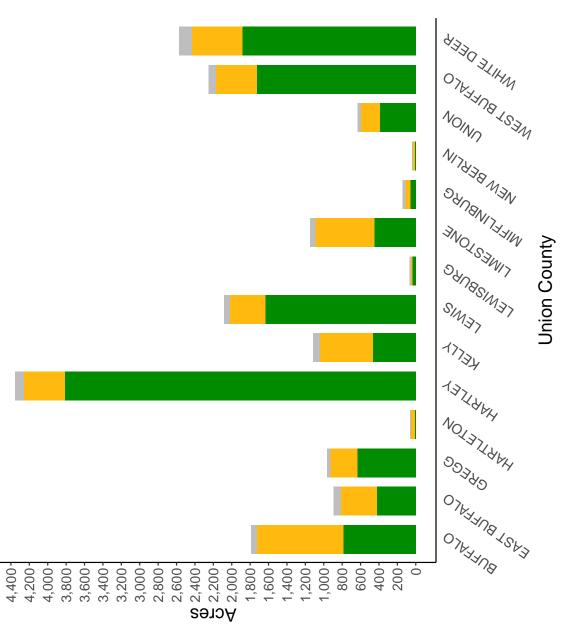






Municipality	MS4	Total 100 ft buffer acres	Conservation opportunity areas (acres)	Restoration opportunity areas (acres)	Developed areas (acres)	Percent forest buffer coverage (%)
BUFFALO	0	1,790	789	937	64	44.09
EAST BUFFALO	0	894	422	391	81	47.19
GREGG	0	964	635	294	35	65.87
HARTLETON	0	62	6	46	9	14.75
HARTLEY	0	4,352	3,813	444	96	87.60
KELLY	0	1,112	468	573	71	42.05
LEWIS	0	2,083	1,633	385	65	78.40
LEWISBURG	0	70	38	16	16	54.52
LIMESTONE	0	1,148	447	646	55	38.95
MIFFLINBURG	0	141	60	51	31	42.37
NEW BERLIN	0	40	13	17	10	31.32
UNION	0	635	387	211	37	60.97
WEST BUFFALO	0	2,254	1,726	449	52	76.58
WHITE DEER	0	2,572	1,885	549	138	73.29
*						

Non-MS4 Regulated Municipalities



Flow Path Buffer Analysis Developed Areas

Developed Areas Restoration Opportunity Areas Conservation Opportunity Areas