Northumberland 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

Northumberland County contains a total of 2,772 acres of flow path restoration opportunity area, and has 66.73% forest buffer coverage. Northumberland County has complete 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

Northumberland County does not contain any MS4 Municipalities.

Averages for MS4 and Non-MS4 Municipalities

	Non-MS4	MS4
Conservation Opportunity Areas (Acres)	184	0
Restoration Opportunity Areas (Acres)	77	0
Developed Areas (Acres)	15	0
Total Buffer Acres	276	0
Percent Forest Buffer Coverage (%)	60.68	0.00

Northumberland County Municipalities

0 5 10 Miles

35' Buffer Coverage (%)

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

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Municipality	MS4	Total 35 ft buffer acres	Conservation opportunity areas (acres)	Restoration opportunity areas (acres)	Developed areas (acres)	Percent forest buffer coverage (%)
COAL	0	508	371	83	54	73.05
DELAWARE	0	707	446	226	35	63.03
EAST CAMERON	0	182	162	17	4	88.93
EAST CHILLISQUAQUE	0	183	99	80	3	54.43
HERNDON	0	60	43	14	4	71.15
JACKSON	0	325	239	71	15	73.65
JORDAN	0	324	229	88	7	70.66
KULPMONT	0	21	16	3	1	78.06
LEWIS	0	543	307	223	13	56.56
LITTLE MAHANOY	0	184	159	20	5	86.48
LOWER AUGUSTA	0	439	303	122	15	68.95
LOWER MAHANOY	0	596	443	135	17	74.42
MARION HEIGHTS	0	0	0	0	0	10.50
MCEWENSVILLE	0	3	2	1	0	65.56
MILTON	0	93	45	27	21	48.41
MOUNT CARMEL	0	25	4	6	16	14.87
MT CARMEL	0	445	308	109	27	69.32
NORTHUMBERLAND	0	43	22	7	14	51.55
POINT	0	622	472	113	36	75.96
RALPHO	0	376	265	84	27	70.52
RIVERSIDE	0	140	87	43	10	62.11
ROCKEFELLER	0	460	304	145	11	66.08
RUSH	0	540	388	136	16	71.81
SHAMOKIN	0	597	440	132	25	73.63
SHAMOKIN	0	38	7	5	26	19.43
SNYDERTOWN	0	99	86	11	3	86.09
SUNBURY	0	86	33	31	22	38.59
TURBOT	0	304	80	201	23	26.45
TURBOTVILLE	0	9	2	4	3	22.32
UPPER AUGUSTA	0	533	405	96	33	75.92
UPPER MAHANOY	0	371	177	186	9	47.67
WASHINGTON	0	343	180	152	10	52.61
WATSONTOWN	0	24	13	4	7	55.19
WEST CAMERON	0	162	149	10	3	92.04
WEST CHILLISQUAQUE	0	328	173	137	18	52.71

(continued)

Municipality	MS4	Total 35 ft buffer acres	Conservation opportunity areas (acres)	Restoration opportunity areas (acres)	Developed areas (acres)	Percent forest buffer coverage (%)
ZERBE	0	236	178	50	8	75.66
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Non-MS4 Regulated Municipalities