

Lackawanna County Forest Buffer Summary

100 ft. Width

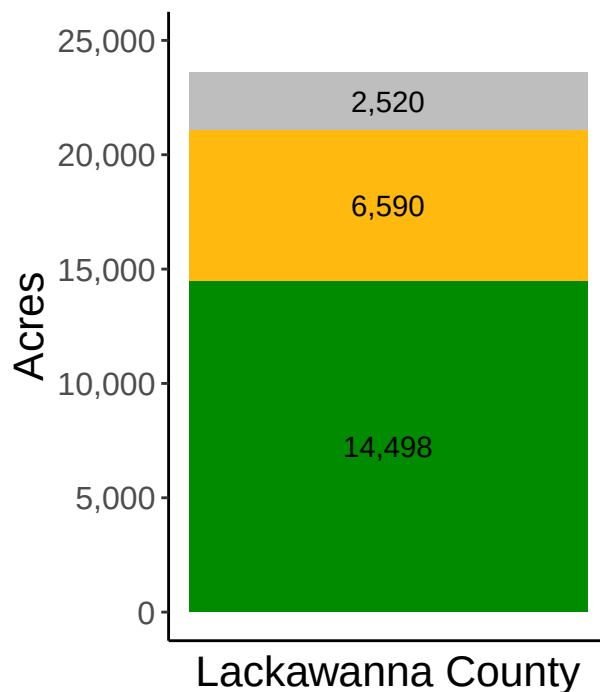
Created by: Chesapeake Conservancy, February 2019

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

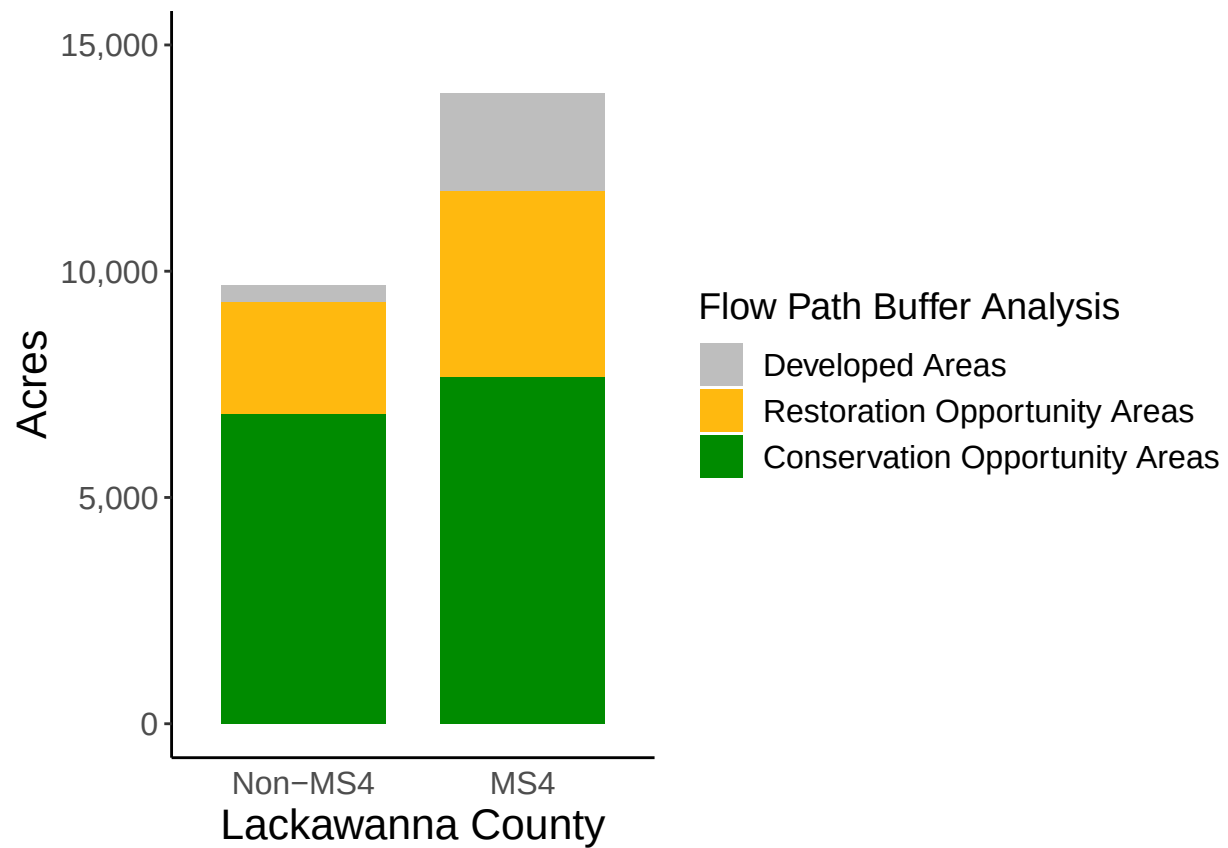
Lackawanna County contains a total of 6,590 acres of flow path restoration opportunity area, and has 61.41% forest buffer coverage. Lackawanna County has incomplete buffer data coverage.



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

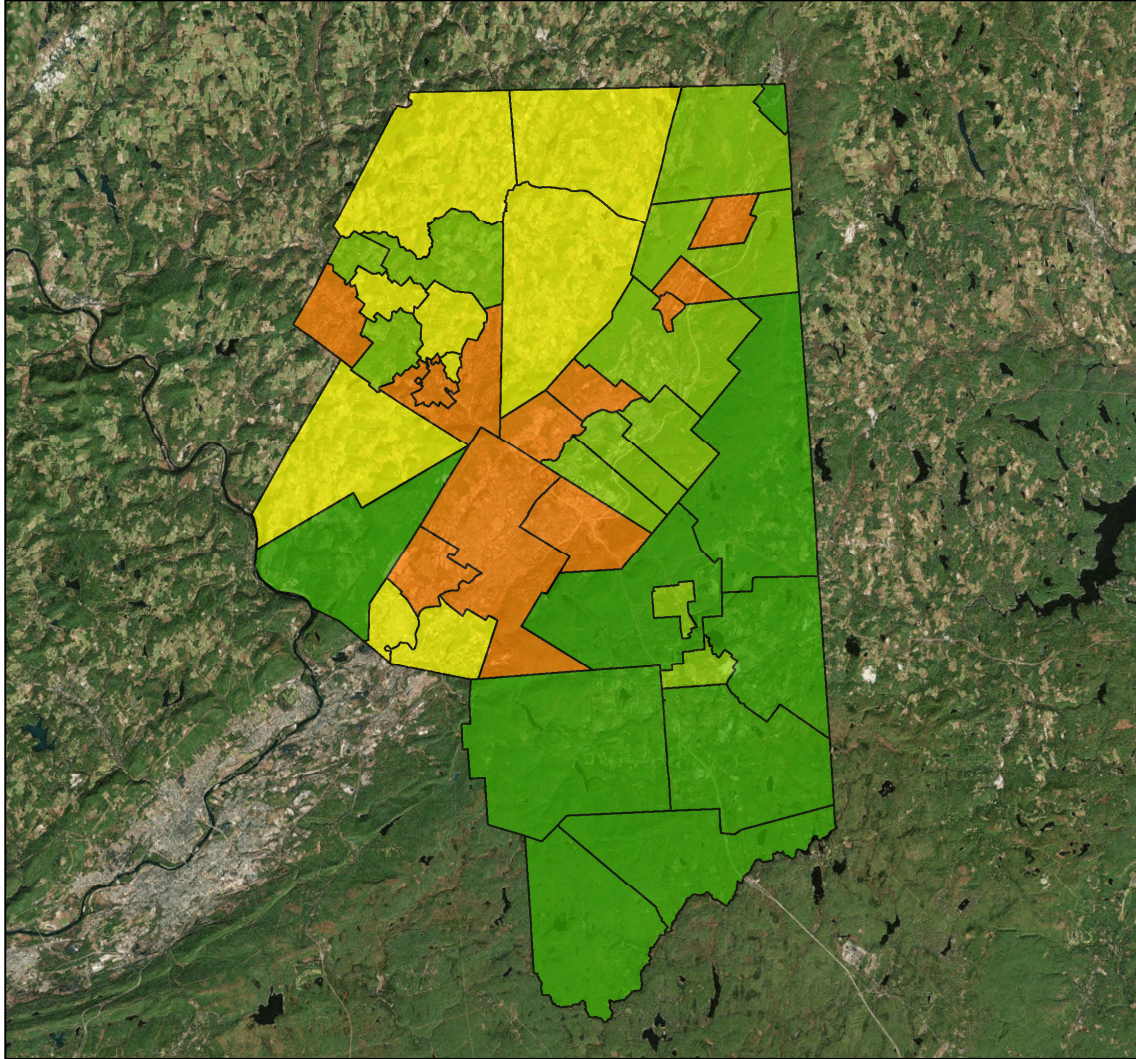
Municipal Separate Storm Sewer System (MS4) Regulated Municipality Summary

Totals by Municipalities

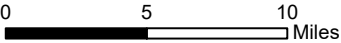


Averages for MS4 and Non-MS4 Municipalities

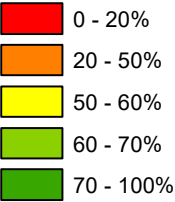
	Non-MS4	MS4
Conservation Opportunity Areas (Acres)	526	284
Restoration Opportunity Areas (Acres)	191	152
Developed Areas (Acres)	27	80
Total Buffer Acres	745	516
Percent Forest Buffer Coverage (%)	72.47	53.61



Lackawanna County Municipalities



100' Buffer Coverage (%)

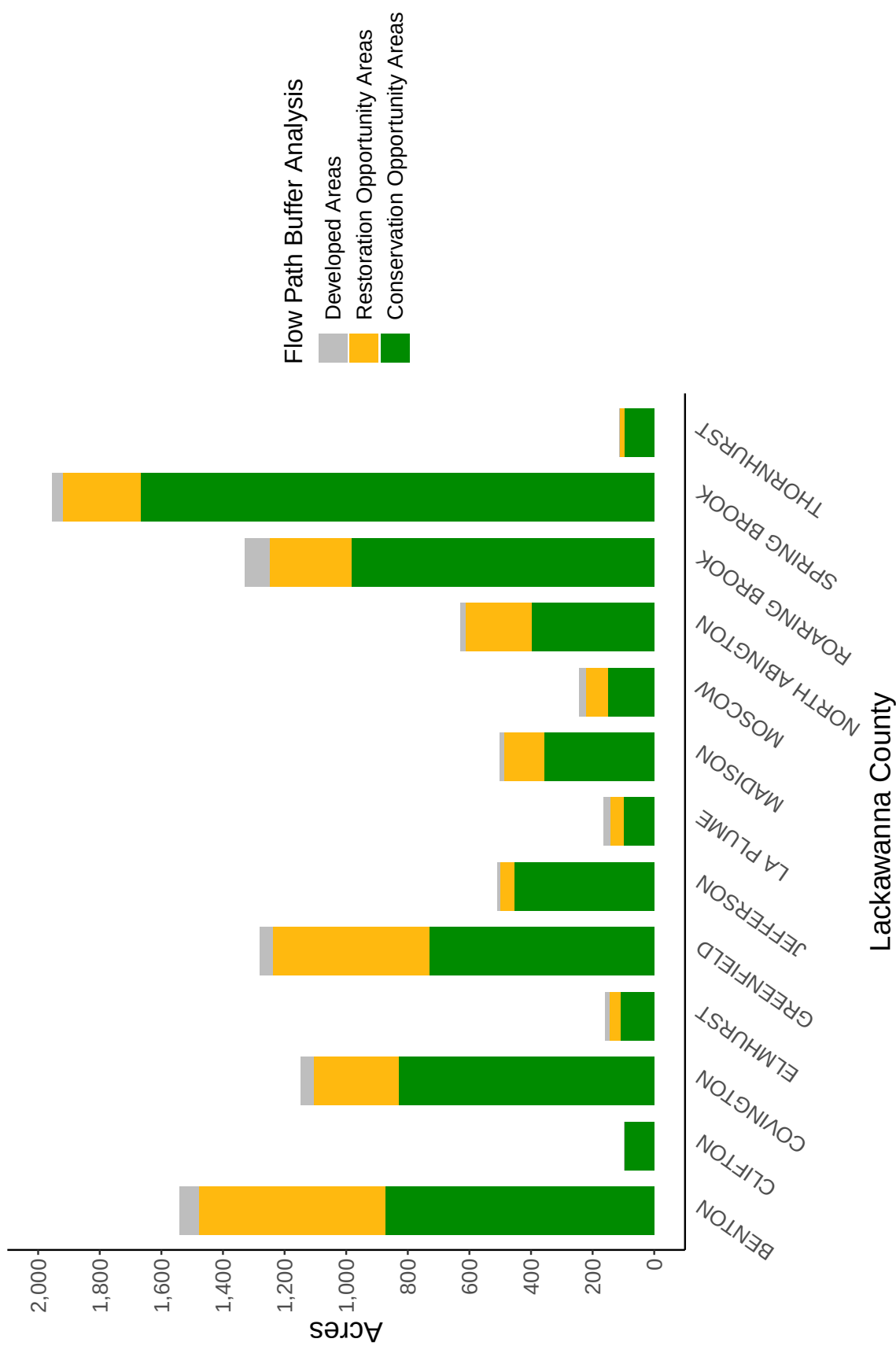


Municipality	MS4	Total 100 ft buffer acres	Conservation opportunity areas (acres)	Restoration opportunity areas (acres)	Developed areas (acres)	Percent forest buffer coverage (%)
BENTON	0	1,542	873	606	62	56.66
CLIFTON	0	99	96	2	0	97.61
COVINGTON	0	1,148	829	277	43	72.20
ELMHURST	0	160	108	38	14	67.56
GREENFIELD	0	1,282	729	510	43	56.87
JEFFERSON	0	510	453	48	9	88.78
LA PLUME	0	165	100	43	22	60.87
MADISON	0	502	358	131	13	71.33
MOSCOW	0	244	151	72	21	61.85
NORTH ABINGTON	0	629	397	216	16	63.19
ROARING BROOK	0	1,330	982	268	80	73.82
SPRING BROOK	0	1,956	1,666	255	35	85.16
THORNHURST	0	114	98	16	0	86.14
ARCHBALD	1	1,079	697	247	136	64.53
BLAKELY	1	296	120	90	87	40.48
CARBONDALE	1	776	505	191	79	65.10
CARBONDALE	1	291	100	105	86	34.34
CLARKS GREEN	1	18	10	5	3	55.86
CLARKS SUMMIT	1	95	39	31	25	41.51
DALTON	1	181	108	50	24	59.35
DICKSON CITY	1	401	159	124	118	39.66
DUNMORE	1	498	243	127	128	48.79
FELL	1	955	667	228	59	69.90
GLENBURN	1	315	200	93	22	63.51
JERMYN	1	114	41	41	33	35.63
JESSUP	1	444	292	86	66	65.75
MAYFIELD	1	170	71	52	47	41.90
MOOSIC	1	499	262	129	108	52.54
NEWTON	1	1,180	604	518	59	51.17
OLD FORGE	1	228	114	48	66	50.19
OLYPHANT	1	394	247	84	63	62.60
RANSOM	1	994	700	248	47	70.41
SCOTT	1	1,503	815	608	80	54.25
SCRANTON	1	1,593	675	353	565	42.39
SOUTH ABINGTON	1	504	250	155	99	49.57

(continued)

Municipality	MS4	Total 100 ft buffer acres	Conservation opportunity areas (acres)	Restoration opportunity areas (acres)	Developed areas (acres)	Percent forest buffer coverage (%)
TAYLOR	1	426	180	160	86	42.21
THROOP	1	335	201	82	52	60.08
VANDLING	1	96	80	12	3	83.52
WAVERLY	1	243	128	104	10	52.87
WEST ABINGTON	1	299	148	139	12	49.37

Non-MS4 Regulated Municipalities



MS4 Regulated Municipalities

