

Luzerne County Forest Buffer Summary

35 ft. Width

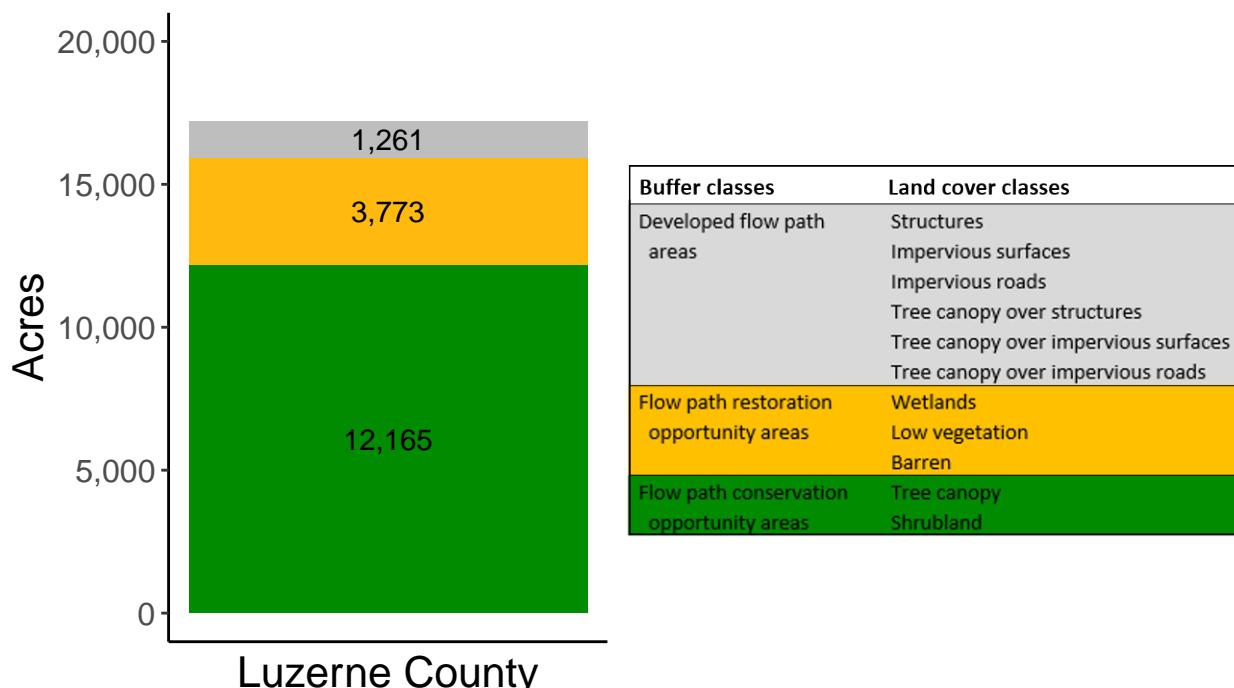
Created by: Chesapeake Conservancy, February 2019

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.”

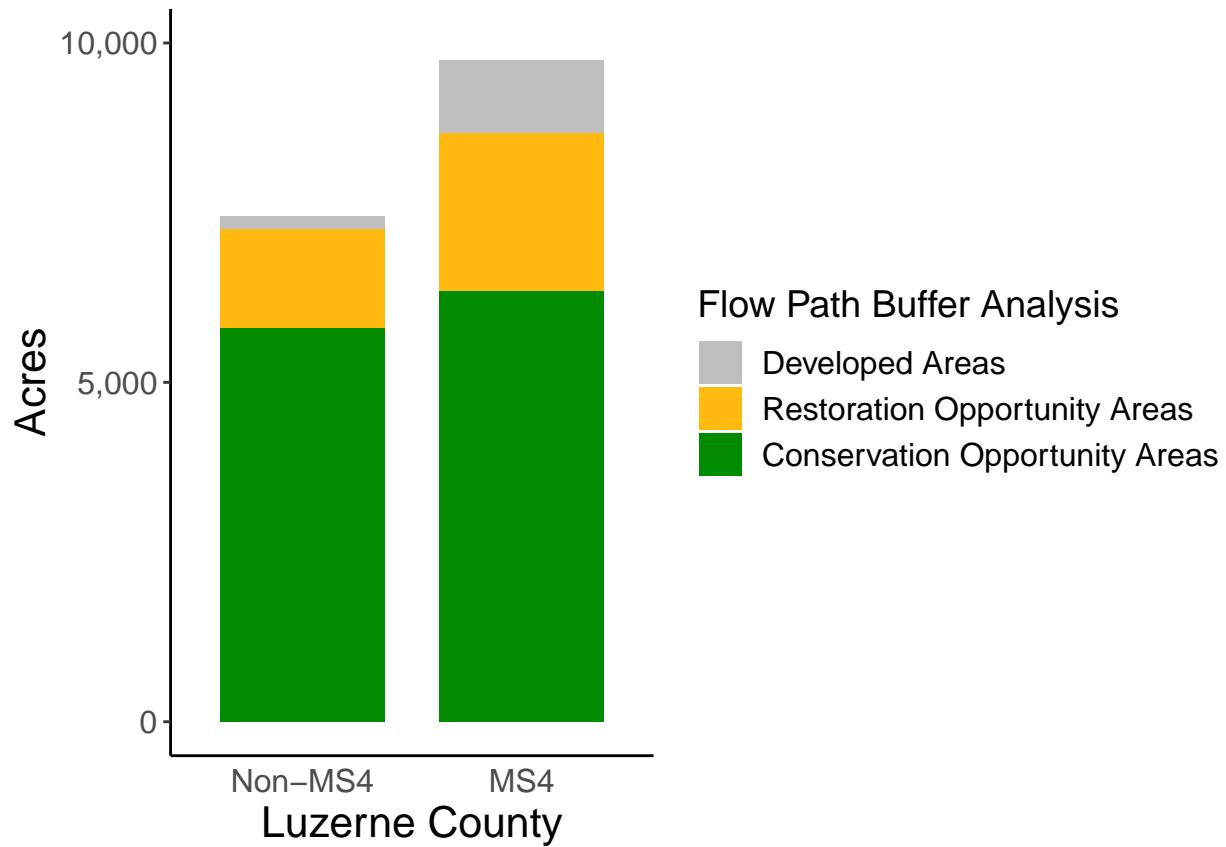
County Summary

Luzerne County contains a total of 3,773 acres of flow path restoration opportunity area, and has 70.73% forest buffer coverage. Luzerne County has incomplete buffer data coverage.



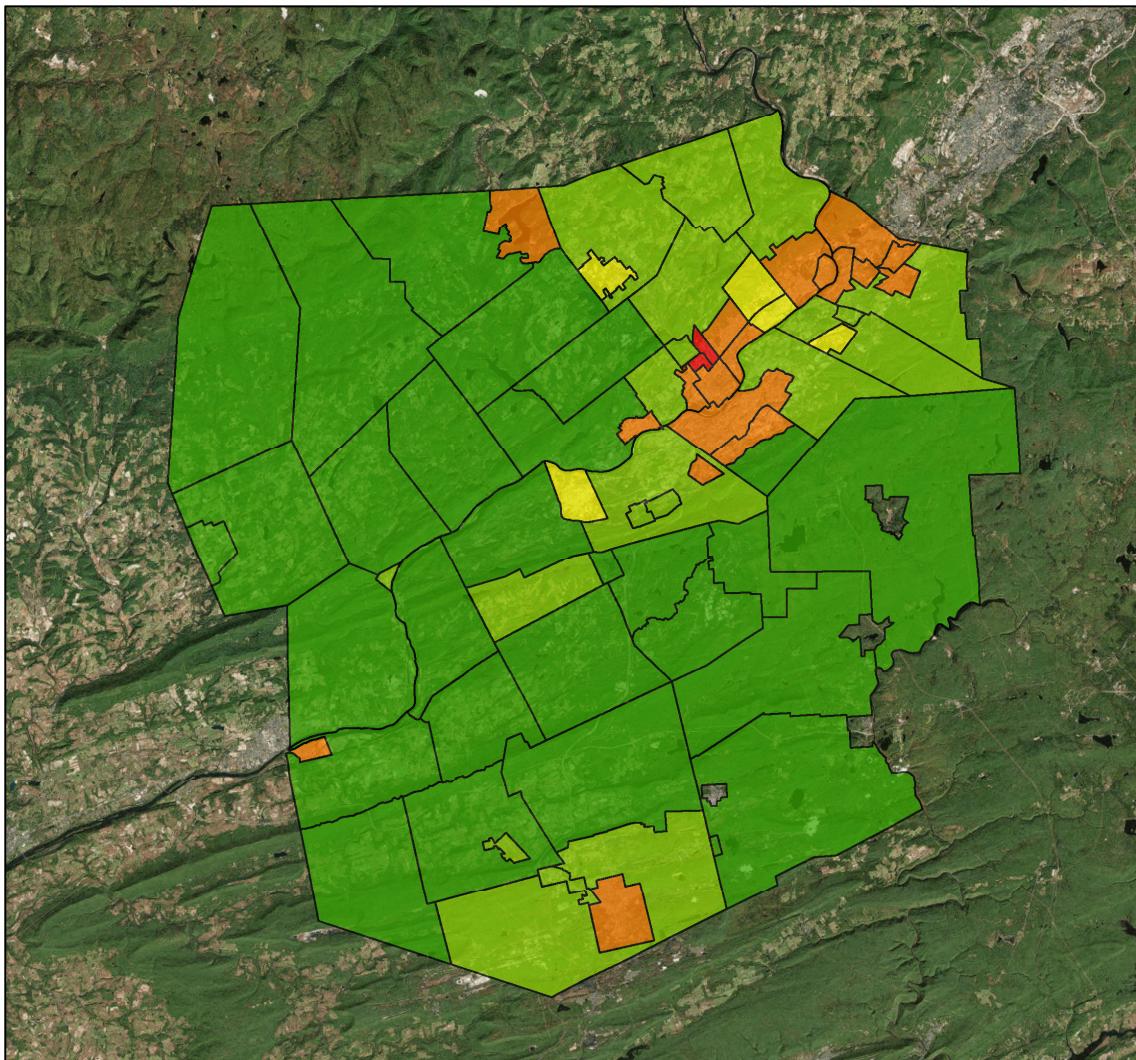
Municipal Separate Storm Sewer System (MS4) Regulated Municipality Summary

Totals by Municipalities



Averages for MS4 and Non-MS4 Municipalities

	Non-MS4	MS4
Conservation Opportunity Areas (Acres)	342	118
Restoration Opportunity Areas (Acres)	85	43
Developed Areas (Acres)	11	20
Total Buffer Acres	438	181
Percent Forest Buffer Coverage (%)	75.06	56.01



Luzerne County Municipalities

0 5 10 Miles



35' Buffer Coverage (%)

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

Municipality	MS4	Total 35 ft buffer acres	Conservation opportunity areas (acres)	Restoration opportunity areas (acres)	Developed areas (acres)	Percent forest buffer coverage (%)
BLACK CREEK	0	461	388	55	18	84.23
DENNISON	0	725	617	97	11	85.06
DORRANCE	0	620	482	122	16	77.70
FARMOUNT	0	954	787	155	12	82.50
HOLLENBACK	0	315	258	53	4	82.08
HUNLOCK	0	457	366	76	15	80.09
HUNTINGTON	0	681	487	180	14	71.54
LAKE	0	508	401	99	9	78.82
NESCOPECK	0	368	262	91	15	71.14
NESCOPECK	0	23	11	11	2	48.56
NEW COLUMBUS	0	70	49	19	1	70.96
NUANGOLA	0	29	25	4	1	85.73
ROSS	0	886	708	165	14	79.84
SALEM	0	681	489	152	41	71.72
SHICKSHINNY	0	24	15	3	6	63.85
SLOCUM	0	234	155	77	2	66.25
UNION	0	413	314	88	11	75.91
ASHLEY	1	35	16	8	12	44.39
AVOCA	1	31	8	9	14	27.39
BEAR CREEK	1	246	187	47	12	75.96
BUTLER	1	716	530	140	45	74.07
CONYNGHAM	1	440	343	88	9	77.96
CONYNGHAM	1	28	17	8	2	62.47
COURTDALE	1	25	15	4	6	60.54
DALLAS	1	377	247	106	24	65.57
DALLAS	1	64	34	19	11	52.68
DUPONT	1	55	19	15	21	34.99
DURYEA	1	213	105	77	31	49.45
EDWARDSVILLE	1	39	15	9	15	38.26
EXETER	1	272	179	78	15	65.84
EXETER	1	149	67	52	30	44.71
FARVIEW	1	184	163	12	10	88.48
FORTY FORT	1	67	18	28	21	26.99
FOSTER	1	162	118	39	4	73.12
FRANKLIN	1	238	144	85	9	60.59

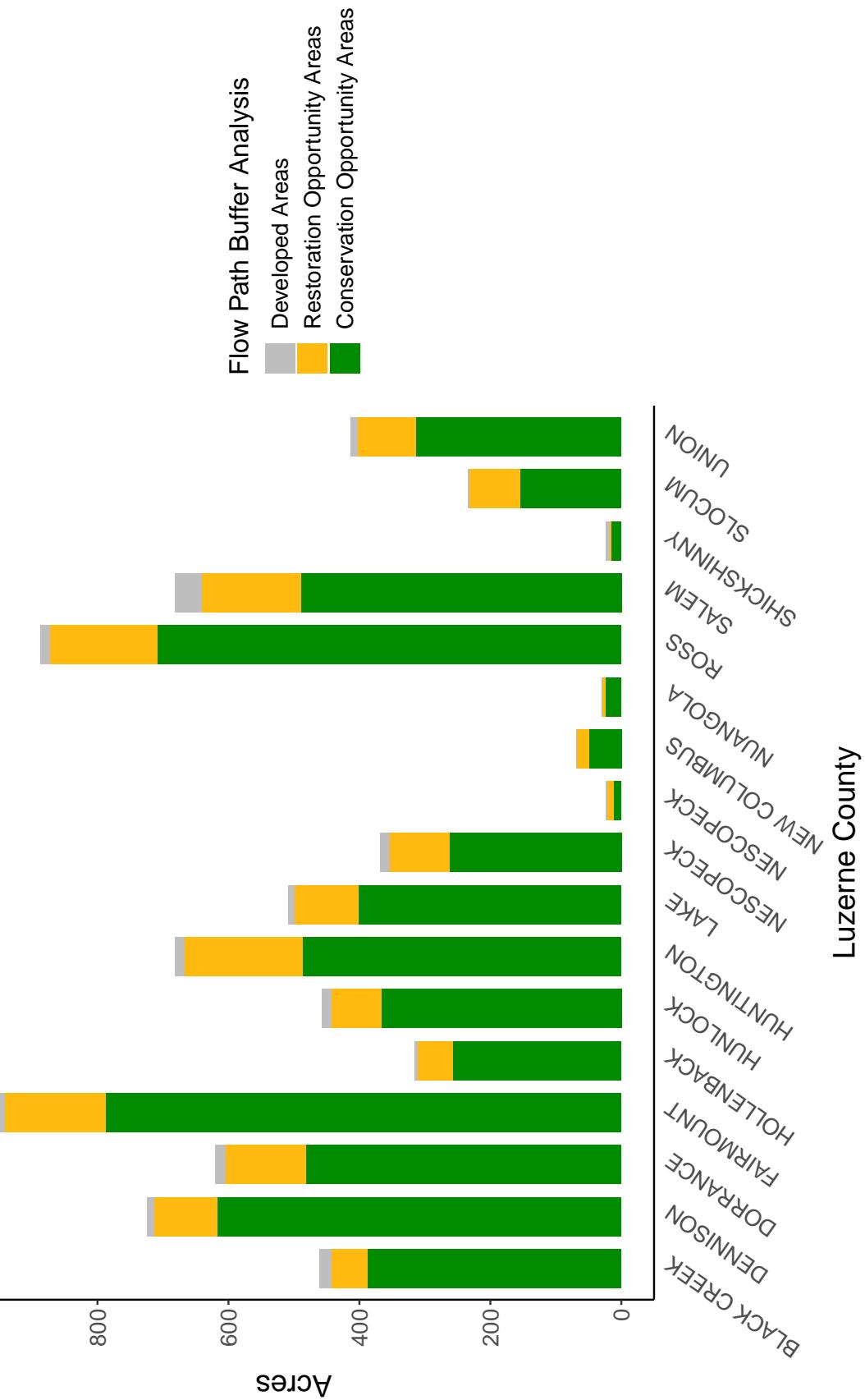
(continued)

Municipality	MS4	Total 35 ft buffer acres	Conservation opportunity areas (acres)	Restoration opportunity areas (acres)	Developed areas (acres)	Percent forest buffer coverage (%)
HANOVER	1	475	311	110	53	65.56
HARVEYS LAKE	1	122	60	31	31	49.21
HAZLE	1	873	570	251	52	65.24
HAZLETON	1	60	22	19	19	36.90
HUGHESTOWN	1	13	3	7	3	21.85
JACKSON	1	276	195	70	11	70.65
JEDDO	1	10	8	2	0	80.75
JENKINS	1	274	190	54	29	69.44
KINGSTON	1	308	201	78	29	65.16
KINGSTON	1	72	17	14	42	23.31
LAFLIN	1	39	23	8	9	57.36
LARKSVILLE	1	128	82	33	13	64.35
LAUREL RUN	1	87	78	4	4	89.89
LEHMAN	1	452	343	98	10	76.00
LUZERNE	1	28	5	3	20	18.07
NANTICOKE	1	99	59	28	11	59.79
NEWPORT	1	364	273	74	17	74.90
PITTSTON	1	300	196	61	44	65.21
PITTSTON	1	65	22	16	26	34.53
PLAINS	1	362	229	87	47	63.14
PLYMOUTH	1	319	242	61	16	75.81
PLYMOUTH	1	52	15	18	18	29.33
PRINGLE	1	6	1	4	1	15.18
RICE	1	254	190	53	11	74.85
SUGAR NOTCH	1	24	16	4	3	67.75
SUGARLOAF	1	405	311	71	24	76.79
SWOYERSVILLE	1	68	20	27	20	29.74
WARRIOR RUN	1	20	13	2	5	64.66
WEST HAZLETON	1	33	23	6	5	68.84
WEST PITTSTON	1	18	8	6	5	43.88
WEST WYOMING	1	97	53	24	20	54.87
WILKES-BARRE	1	116	33	44	39	28.23
WILKES-BARRE	1	245	57	72	116	23.16
WRIGHT	1	258	209	35	13	81.10
WYOMING	1	64	33	25	6	51.14

(continued)

Municipality	MS4	Total 35 ft buffer acres	Conservation opportunity areas (acres)	Restoration opportunity areas (acres)	Developed areas (acres)	Percent forest buffer coverage (%)
YATESVILLE	1	20	13	3	4	64.68

Non-MS4 Regulated Municipalities



MS4 Regulated Municipalities

