

# Lancaster County Forest Buffer Summary

## 35 ft. Width

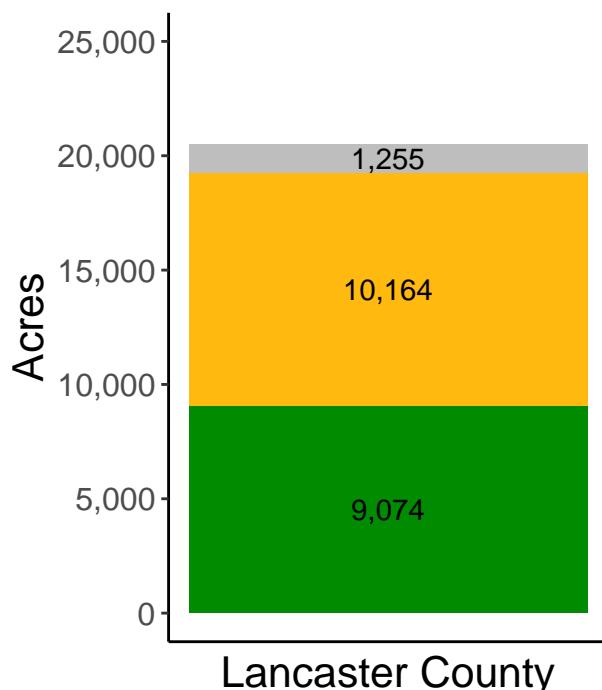
*Created by: Chesapeake Conservancy, February 2019*

### 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](http://www.ChesapeakeConservancy.org) and search for “data downloader.”

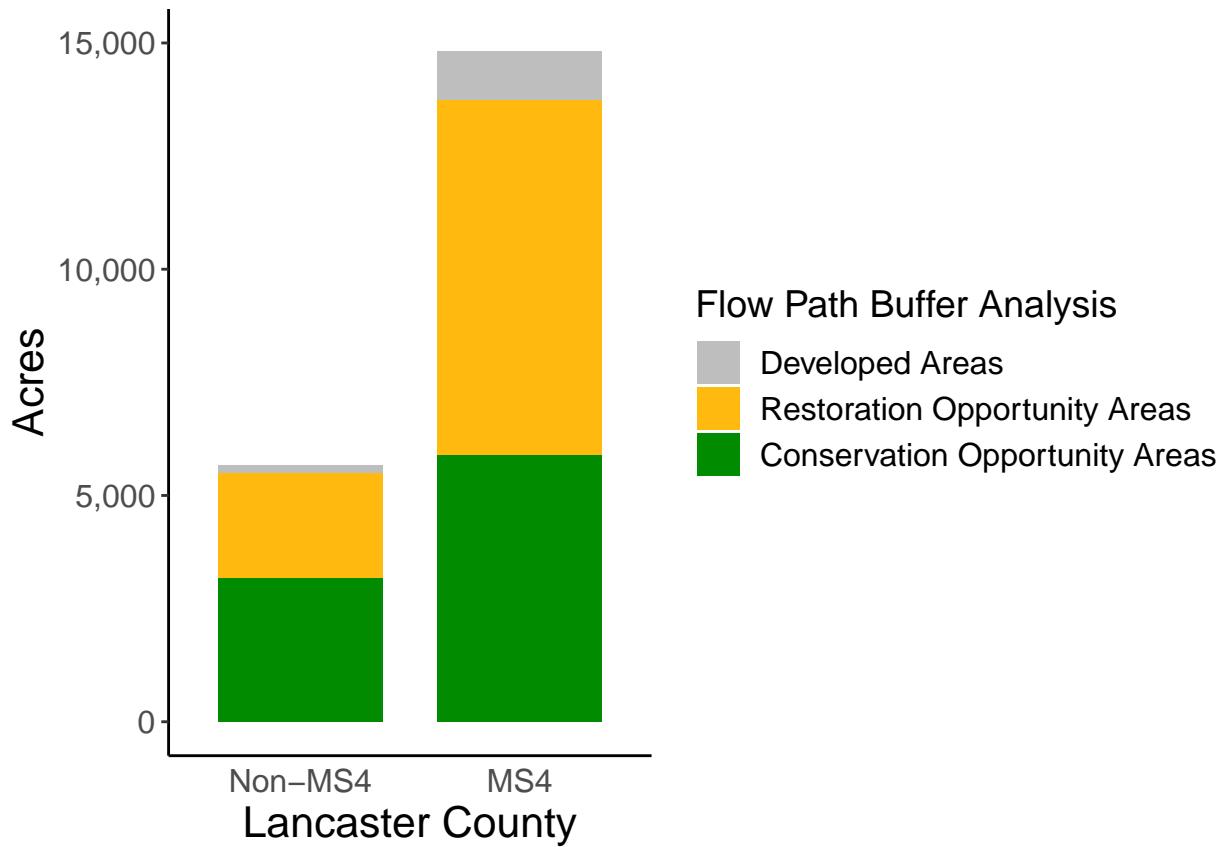
### County Summary

Lancaster County contains a total of 10,164 acres of flow path restoration opportunity area, and has 44.28% forest buffer coverage. Lancaster County has incomplete buffer data coverage.



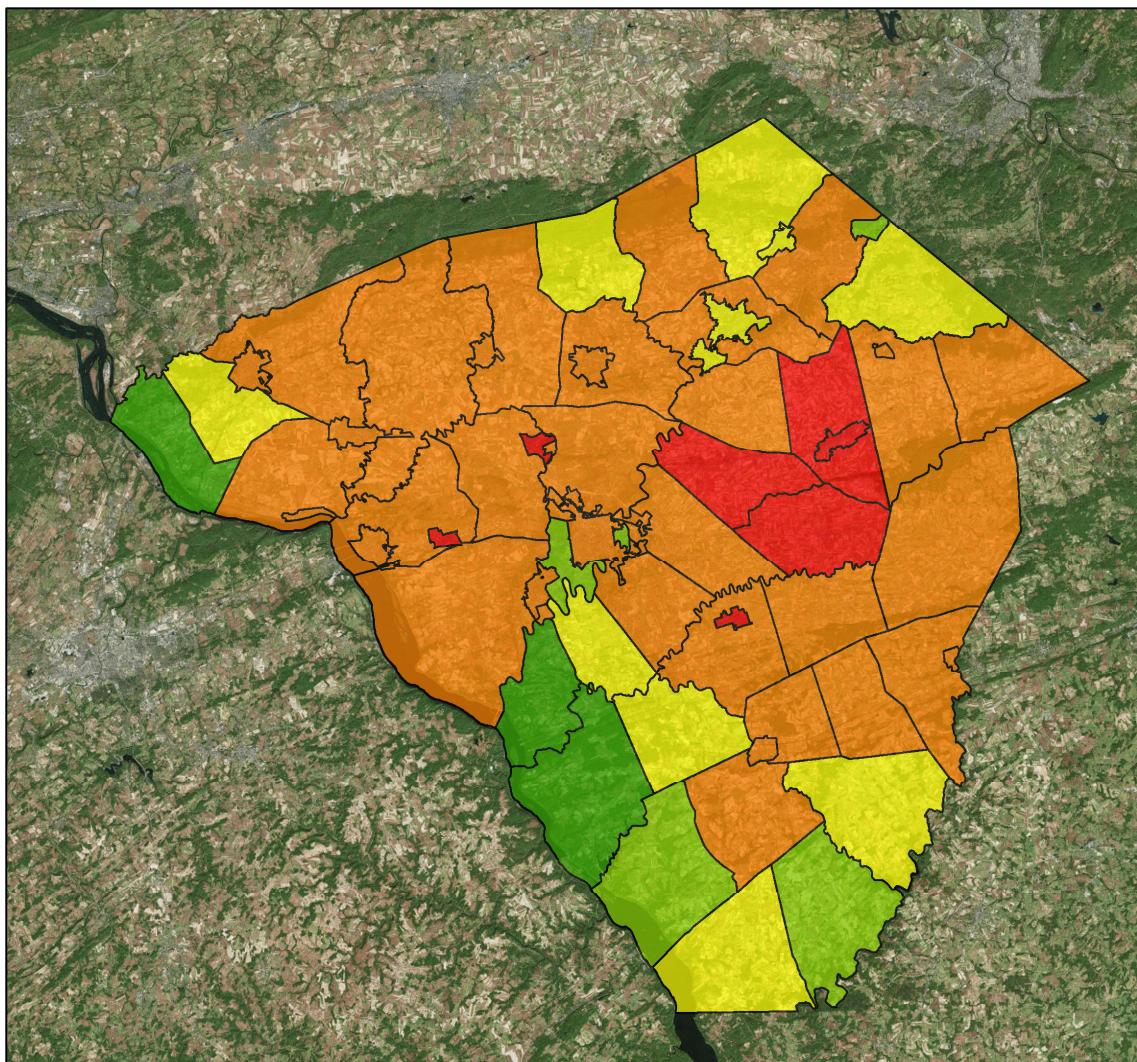
## Municipal Separate Storm Sewer System (MS4) Regulated Municipality Summary

### Totals by Municipalities



### Averages for MS4 and Non-MS4 Municipalities

|  | Non-MS4 | MS4   |
|--|---------|-------|
| Conservation Opportunity Areas (Acres) | 227     | 128   |
| Restoration Opportunity Areas (Acres)  | 166     | 171   |
| Developed Areas (Acres)                | 12      | 24    |
| Total Buffer Acres                     | 405     | 322   |
| Percent Forest Buffer Coverage (%)     | 53.04   | 39.78 |



## Lancaster County Municipalities

0 5 10 20 Miles



### 35' Buffer Coverage (%)

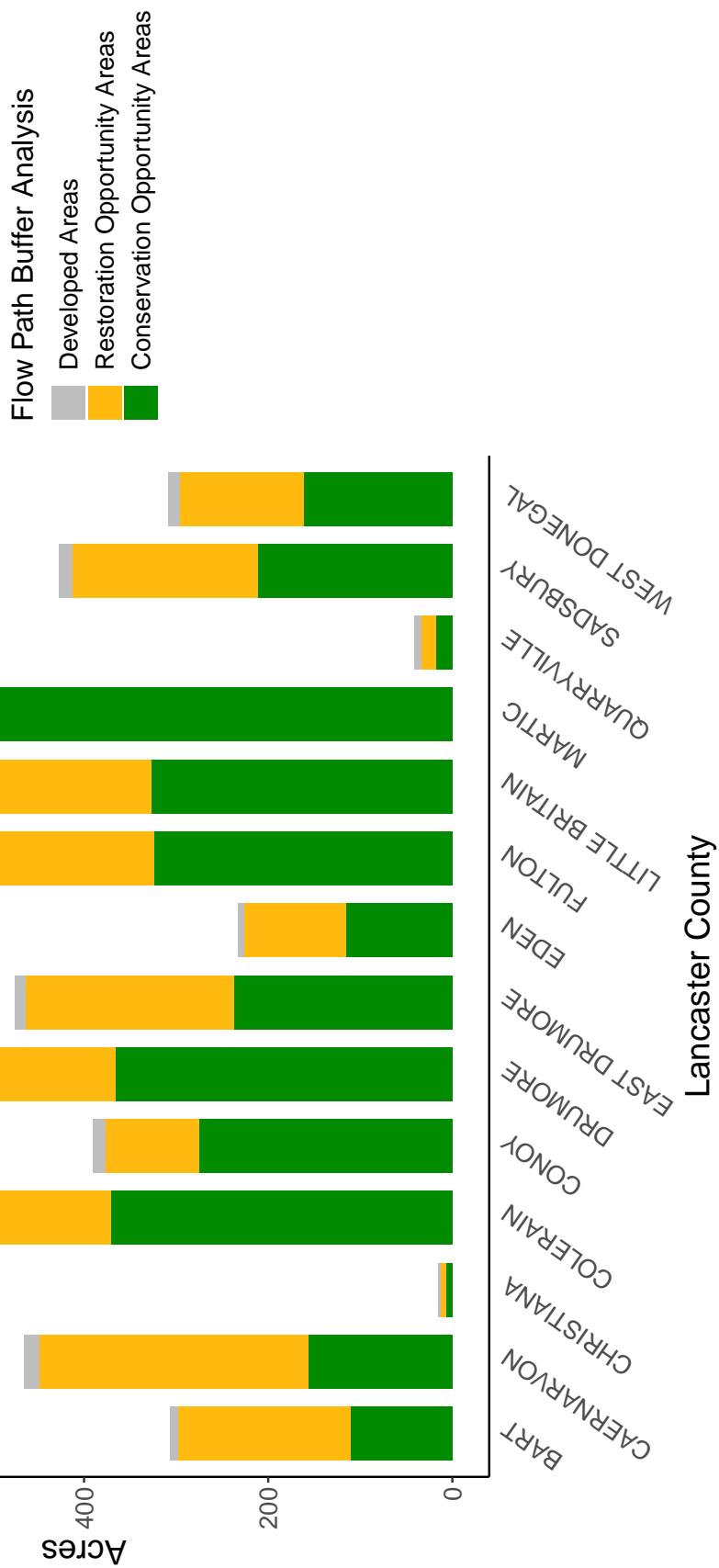
- █ 0 - 20%
- █ 20 - 50%
- █ 50 - 60%
- █ 60 - 70%
- █ 70 - 100%

| Municipality    | MS4 | Total 35 ft buffer acres | Conservation opportunity areas (acres) | Restoration opportunity areas (acres) | Developed areas (acres) | Percent forest buffer coverage (%) |
|-----------------|-----|--------------------------|--|---------------------------------------|-------------------------|------------------------------------|
| BART            | 0   | 306                      | 111                                    | 187                                   | 8                       | 36.34                              |
| CAERNARVON      | 0   | 465                      | 156                                    | 293                                   | 16                      | 33.54                              |
| CHRISTIANA      | 0   | 17                       | 7                                      | 6                                     | 3                       | 44.33                              |
| COLERAIN        | 0   | 624                      | 371                                    | 245                                   | 8                       | 59.42                              |
| CONOY           | 0   | 390                      | 275                                    | 102                                   | 13                      | 70.53                              |
| DRUMORE         | 0   | 573                      | 366                                    | 180                                   | 27                      | 63.80                              |
| EAST DRUMORE    | 0   | 475                      | 237                                    | 227                                   | 11                      | 49.81                              |
| EDEN            | 0   | 233                      | 116                                    | 111                                   | 6                       | 49.82                              |
| FULTON          | 0   | 581                      | 324                                    | 244                                   | 14                      | 55.65                              |
| LITTLE BRITAIN  | 0   | 534                      | 327                                    | 199                                   | 8                       | 61.27                              |
| MARTIC          | 0   | 692                      | 496                                    | 170                                   | 26                      | 71.72                              |
| QUARRYVILLE     | 0   | 41                       | 18                                     | 16                                    | 7                       | 44.76                              |
| SADSBURY        | 0   | 427                      | 211                                    | 202                                   | 14                      | 49.28                              |
| WEST DONEGAL    | 0   | 307                      | 161                                    | 135                                   | 12                      | 52.33                              |
| ADAMSTOWN       | 1   | 34                       | 22                                     | 6                                     | 6                       | 64.80                              |
| AKRON           | 1   | 16                       | 9                                      | 5                                     | 1                       | 59.48                              |
| BRECKNOCK       | 1   | 548                      | 314                                    | 194                                   | 40                      | 57.28                              |
| CLAY            | 1   | 462                      | 191                                    | 246                                   | 25                      | 41.42                              |
| COLUMBIA        | 1   | 72                       | 36                                     | 14                                    | 23                      | 49.13                              |
| CONESTOGA       | 1   | 317                      | 227                                    | 79                                    | 11                      | 71.51                              |
| DENVER          | 1   | 31                       | 16                                     | 11                                    | 4                       | 51.27                              |
| EARL            | 1   | 489                      | 77                                     | 387                                   | 24                      | 15.81                              |
| EAST COCALICO   | 1   | 426                      | 208                                    | 188                                   | 30                      | 48.82                              |
| EAST DONEGAL    | 1   | 553                      | 194                                    | 331                                   | 27                      | 35.08                              |
| EAST EARL       | 1   | 481                      | 183                                    | 282                                   | 16                      | 38.00                              |
| EAST HEMPFIELD  | 1   | 467                      | 150                                    | 256                                   | 61                      | 32.21                              |
| EAST LAMPETER   | 1   | 454                      | 130                                    | 265                                   | 58                      | 28.64                              |
| EAST PETERSBURG | 1   | 13                       | 3                                      | 8                                     | 2                       | 19.31                              |
| ELIZABETH       | 1   | 405                      | 238                                    | 152                                   | 16                      | 58.64                              |
| ELIZABETHTOWN   | 1   | 60                       | 26                                     | 17                                    | 16                      | 44.28                              |
| EPHRATA         | 1   | 360                      | 133                                    | 198                                   | 29                      | 37.04                              |
| EPHRATA         | 1   | 69                       | 36                                     | 13                                    | 21                      | 51.35                              |
| LANCASTER       | 1   | 140                      | 89                                     | 32                                    | 18                      | 63.99                              |
| LANCASTER       | 1   | 163                      | 57                                     | 28                                    | 78                      | 34.76                              |
| LEACOCK         | 1   | 393                      | 48                                     | 326                                   | 18                      | 12.26                              |

*(continued)*

| Municipality   | MS4 | Total 35 ft buffer acres | Conservation opportunity areas (acres) | Restoration opportunity areas (acres) | Developed areas (acres) | Percent forest buffer coverage (%) |
|----------------|-----|--------------------------|--|---------------------------------------|-------------------------|------------------------------------|
| LITITZ         | 1   | 46                       | 13                                     | 18                                    | 15                      | 29.07                              |
| MANHEIM        | 1   | 517                      | 144                                    | 299                                   | 74                      | 27.79                              |
| MANHEIM        | 1   | 35                       | 16                                     | 14                                    | 5                       | 46.02                              |
| MANOR          | 1   | 905                      | 452                                    | 394                                   | 60                      | 49.95                              |
| MARIETTA       | 1   | 32                       | 16                                     | 6                                     | 10                      | 49.85                              |
| MILLERSVILLE   | 1   | 28                       | 13                                     | 6                                     | 9                       | 45.66                              |
| MOUNT JOY      | 1   | 600                      | 272                                    | 300                                   | 28                      | 45.23                              |
| MOUNTVILLE     | 1   | 19                       | 3                                      | 9                                     | 6                       | 16.98                              |
| MT JOY         | 1   | 46                       | 16                                     | 20                                    | 10                      | 34.27                              |
| NEW HOLLAND    | 1   | 20                       | 2                                      | 11                                    | 6                       | 12.67                              |
| PARADISE       | 1   | 410                      | 134                                    | 253                                   | 23                      | 32.73                              |
| PENN           | 1   | 600                      | 196                                    | 358                                   | 45                      | 32.65                              |
| PEQUEA         | 1   | 273                      | 141                                    | 123                                   | 9                       | 51.59                              |
| PROVIDENCE     | 1   | 420                      | 247                                    | 157                                   | 16                      | 58.75                              |
| RAPHO          | 1   | 1,065                    | 480                                    | 548                                   | 36                      | 45.11                              |
| SALISBURY      | 1   | 814                      | 224                                    | 565                                   | 26                      | 27.45                              |
| STRASBURG      | 1   | 441                      | 160                                    | 269                                   | 12                      | 36.22                              |
| STRASBURG      | 1   | 10                       | 2                                      | 7                                     | 1                       | 19.51                              |
| TERRE HILL     | 1   | 3                        | 1                                      | 1                                     | 0                       | 36.19                              |
| UPPER LEACOCK  | 1   | 371                      | 49                                     | 294                                   | 28                      | 13.21                              |
| WARWICK        | 1   | 435                      | 167                                    | 247                                   | 21                      | 38.46                              |
| WEST COCALICO  | 1   | 643                      | 334                                    | 284                                   | 25                      | 52.02                              |
| WEST EARL      | 1   | 397                      | 90                                     | 282                                   | 26                      | 22.56                              |
| WEST HEMPFIELD | 1   | 410                      | 192                                    | 176                                   | 42                      | 46.99                              |
| WEST LAMPETER  | 1   | 337                      | 149                                    | 169                                   | 20                      | 44.02                              |

## Non-MS4 Regulated Municipalities



## MS4 Regulated Municipalities

