

Report: Index Surface Runoff Classes  
USDA-NRCS Soil Survey Database

Fayette County, Pennsylvania

| MAP UNIT SYMBOL | MAP UNIT NAME  | COMPONENT NAME | DRAINAGE        | SURFACE RUNOFF |
|-----------------|--|----------------|-----------------|----------------|
| AbB2            | ALBRIGHTS SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED        | ALBRIGHTS      | moderately well | Medium         |
| AcB             | ALBRIGHTS VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES                | ALBRIGHTS      | moderately well | Low            |
| AlB2            | ALLEGHENY FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED  | ALLEGHENY      | well            | Medium         |
| AlC2            | ALLEGHENY FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED | ALLEGHENY      | well            | Medium         |
| AnB             | ANDOVER VERY STONY LOAM, 0 TO 8 PERCENT SLOPES                       | ANDOVER        | poorly          | Very high      |
| At              | ATKINS SILT LOAM   | Atkins         | poorly          | Very high      |
| BaA             | BRINKERTON AND ARMAGH SILT LOAMS, 0 TO 3 PERCENT SLOPES              | BRINKERTON     | poorly          | Very high      |
| BaA             | BRINKERTON AND ARMAGH SILT LOAMS, 0 TO 3 PERCENT SLOPES              | ARMAGH         | poorly          | Very high      |
| BaB             | BRINKERTON AND ARMAGH SILT LOAMS, 3 TO 8 PERCENT SLOPES              | ARMAGH         | poorly          | Very high      |
| BaB             | BRINKERTON AND ARMAGH SILT LOAMS, 3 TO 8 PERCENT SLOPES              | BRINKERTON     | poorly          | Very high      |
| BrB2            | BROOKE SILTY CLAY LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED     | BROOKE         | well            | Very high      |
| BrC2            | BROOKE SILTY CLAY LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED    | BROOKE         | well            | Very high      |
| BrD2            | BROOKE SILTY CLAY LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED   | BROOKE         | well            | Very high      |
| BuB             | BUCHANAN VERY STONY LOAM, 0 TO 8 PERCENT SLOPES                      | BUCHANAN       | moderately well | Medium         |
| BuD             | BUCHANAN VERY STONY LOAM, 8 TO 25 PERCENT SLOPES                     | BUCHANAN       | moderately well | High           |
| CaB2            | CAVODE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED           | Cavode         | somewhat poorly | Very high      |
| CaC2            | CAVODE SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED          | Cavode         | somewhat poorly | Very high      |
| CaD2            | CAVODE SILT LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED         | CAVODE         | somewhat poorly | Very high      |
| CdB             | CAVODE VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES                   | Cavode         | somewhat poorly | Very high      |
| CdD             | CAVODE VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES                  | Cavode         | somewhat poorly | Very high      |

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| Ce              | CHAVIES FINE SANDY LOAM   | Chavies        | well            | Very low       |
| CgB             | CLARKSBURG-GUERNSEY SILT LOAMS, 2 TO 8 SLOPES                             | CLARKSBURG     | moderately well | Medium         |
| CgB             | CLARKSBURG-GUERNSEY SILT LOAMS, 2 TO 8 SLOPES                             | GUERNSEY       | moderately well | High           |
| CgC2            | CLARKSBURG-GUERNSEY SILT LOAMS, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED | CLARKSBURG     | moderately well | Medium         |
| CgC2            | CLARKSBURG-GUERNSEY SILT LOAMS, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED | GUERNSEY       | moderately well | High           |
| CgD2            | CLARKSBURG-GUERNSEY SILT LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED | CLARKSBURG     | moderately well | High           |
| CgD2            | CLARKSBURG-GUERNSEY SILT LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED | GUERNSEY       | moderately well | Very high      |
| ClB2            | CLYMER CHANNERY LOAM, 3 TO 12 PERCENT SLOPES, MODERATELY ERODED           | CLYMER         | well            | Medium         |
| ClC2            | CLYMER CHANNERY LOAM, 12 TO 20 PERCENT SLOPES, MODERATELY ERODED          | CLYMER         | well            | Medium         |
| CmB             | CLYMER VERY STONY LOAM, 0 TO 12 PERCENT SLOPES                            | CLYMER         | well            | Medium         |
| CmD             | CLYMER VERY STONY LOAM, 12 TO 30 PERCENT SLOPES                           | CLYMER         | well            | High           |
| CoA             | COOKPORT LOAM, 0 TO 3 PERCENT SLOPES                                      | COOKPORT       | moderately well | Medium         |
| CoB2            | COOKPORT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED                   | COOKPORT       | moderately well | High           |
| CoC2            | COOKPORT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED                  | COOKPORT       | moderately well | High           |
| CpB             | COOKPORT VERY STONY LOAM, 0 TO 8 PERCENT SLOPES                           | Cookport       | moderately well | Medium         |
| CpD             | COOKPORT VERY STONY LOAM, 8 TO 25 PERCENT SLOPES                          | Cookport       | moderately well | High           |
| DaF             | DEKALB CHANNERY LOAM, 30 TO 60 PERCENT SLOPES                             | DEKALB         | well            | Low            |
| DbB             | DEKALB VERY STONY SANDY LOAM, 0 TO 12 PERCENT SLOPES                      | DEKALB         | well            | Very low       |
| DbD             | DEKALB VERY STONY SANDY LOAM, 12 TO 30 PERCENT SLOPES                     | DEKALB         | well            | Low            |
| DbF             | DEKALB VERY STONY SANDY LOAM, 30 TO 80 PERCENT SLOPES                     | DEKALB         | well            | Low            |
| Ek              | ELKINS SILT LOAM  | ELKINS         | very poorly     | Very high      |

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| ErA             | ERNEST SILT LOAM, 0 TO 3 PERCENT SLOPES                               | ERNEST         | moderately well      | Low            |
| ErB2            | ERNEST SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED            | Ernest         | moderately well      | Medium         |
| ErC2            | ERNEST SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED           | Ernest         | moderately well      | Medium         |
| EsB             | ERNEST VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES                    | ERNEST         | moderately well      | Low            |
| EsD             | ERNEST VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES                   | ERNEST         | moderately well      | Medium         |
| GcA             | GILPIN CHANNERY SILT LOAM, 0 TO 3 PERCENT SLOPES                      | GILPIN         | well                 | Low            |
| GcB2            | GILPIN CHANNERY SILT LOAM, 3 TO 12 PERCENT SLOPES, MODERATELY ERODED  | GILPIN         | well                 | Medium         |
| GcC2            | GILPIN CHANNERY SILT LOAM, 12 TO 20 PERCENT SLOPES MODERATELY ERODED  | GILPIN         | well                 | Medium         |
| GcD2            | GILPIN CHANNERY SILT LOAM, 20 TO 30 PERCENT SLOPES, MODERATELY ERODED | GILPIN         | well                 | High           |
| GnB             | GILPIN VERY STONY SILT LOAM, 0 TO 12 PERCENT SLOPES                   | GILPIN         | well                 | Medium         |
| GnD             | GILPIN VERY STONY SILT LOAM, 12 TO 30 PERCENT SLOPES                  | GILPIN         | well                 | High           |
| GnF             | GILPIN VERY STONY SILT LOAM, 30 TO 60 PERCENT SLOPES                  | GILPIN         | well                 | High           |
| GrF             | GILPIN-WEIKERT CHANNERY SILT LOAMS, 30 TO 60 PERCENT SLOPES           | GILPIN         | well                 | High           |
| GrF             | GILPIN-WEIKERT CHANNERY SILT LOAMS, 30 TO 60 PERCENT SLOPES           | WEIKERT        | somewhat excessively | Medium         |
| GsB2            | GUERNSEY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED          | Guernsey       | moderately well      | Very high      |
| GsC2            | GUERNSEY SILT LOAM, 8 TO 15 PERCENT SLOPES MODERATELY ERODED          | Guernsey       | moderately well      | Very high      |
| GsD2            | GUERNSEY SILT LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED        | Guernsey       | moderately well      | Very high      |
| GsE2            | GUERNSEY SILT LOAM, 25 TO 35 PERCENT SLOPES, MODERATELY ERODED        | GUERNSEY       | moderately well      | Very high      |
| GtC3            | GUERNSEY SILTY CLAY LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED     | GUERNSEY       | moderately well      | High           |
| GtD3            | GUERNSEY SILTY CLAY LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED    | GUERNSEY       | moderately well      | Very high      |

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|-----------------|--|------------------|----------------------|----------------|
| HaA             | HAZLETON CHANNERY LOAM, 0 TO 3 PERCENT SLOPES                      | HAZLETON         | well                 | Very low       |
| HaB2            | HAZLETON CHANNERY LOAM, 3 TO 12 PERCENT SLOPES, MODERATELY ERODED  | HAZLETON         | well                 | Low            |
| HaC2            | HAZLETON CHANNERY LOAM, 12 TO 20 PERCENT SLOPES, MODERATELY ERODED | HAZLETON         | well                 | Low            |
| HaD2            | HAZLETON CHANNERY LOAM, 20 TO 30 PERCENT SLOPES, MODERATELY ERODED | HAZLETON         | well                 | Medium         |
| LbB2            | LIBRARY SILTY CLAY LOAM, 2 TO 8 PERCENT SLOPES, MODERATELY ERODED  | LIBRARY          | somewhat poorly      | Very high      |
| Ln              | LINDSIDE SILT LOAM   | Lindside         | moderately well      | Low            |
| Mc              | MELVIN AND NEWARK SILT LOAMS                                       | Melvin           | poorly               | Very high      |
| Mc              | MELVIN AND NEWARK SILT LOAMS                                       | Newark           | somewhat poorly      | Very high      |
| Md              | MINE DUMPS   | Itmann           | somewhat excessively | Medium         |
| MoA             | MONONGAHELA SILT LOAM, 0 TO 3 PERCENT SLOPES                       | MONONGAHELA      | moderately well      | Low            |
| MoB2            | MONONGAHELA SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED    | MONONGAHELA      | moderately well      | Medium         |
| MoC2            | MONONGAHELA SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED   | MONONGAHELA      | moderately well      | Medium         |
| Ph              | PHILO SILT LOAM  | Philo            | moderately well      | Low            |
| Pu              | PURDY SILT LOAM  | Purdy            | poorly               | Very high      |
| Ru              | RUBBLE LAND  | RUBBLE LAND      | somewhat excessively | ---            |
| SmB             | STRIP MINE SPOIL, ACID, UNDULATING                                 | Bethesda         | well                 | High           |
| SmD             | STRIP MINE SPOIL, ACID, ROLLING                                    | Bethesda         | well                 | High           |
| SmF             | STRIP MINE SPOIL, ACID, STEEP                                      | Bethesda         | well                 | Very high      |
| SnD             | STRIP MINE SPOIL, NONACID, ROLLING                                 | STRIP MINE SPOIL | somewhat excessively | ---            |
| SnF             | STRIP MINE SPOIL, NONACID, STEEP                                   | STRIP MINE SPOIL | somewhat excessively | ---            |
| ThA             | THORNDALE SILT LOAM, 0 TO 3 PERCENT SLOPES                         | Thorndale        | poorly               | Very high      |
| ThB2            | THORNDALE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED      | Thorndale        | poorly               | Very high      |
| Ty              | TYLER SILT LOAM  | Tyler            | somewhat poorly      | Very high      |

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|-----------------|---|----------------|----------------------|----------------|
| UhB2            | UPSHUR SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED                  | UPSHUR         | well                 | Very high      |
| UhC2            | UPSHUR SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED                 | UPSHUR         | well                 | Very high      |
| UhD2            | UPSHUR SILT LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED                | UPSHUR         | well                 | Very high      |
| UpB             | UPSHUR VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES                          | UPSHUR         | well                 | High           |
| UpD             | UPSHUR VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES                         | UPSHUR         | well                 | Very high      |
| UpF             | UPSHUR VERY STONY SILT LOAM, 25 TO 50 PERCENT SLOPES                        | UPSHUR         | well                 | Very high      |
| UrB             | URBAN LAND, UNDULATING  | URBAN LAND     | somewhat excessively | ---            |
| UrD             | URBAN LAND, ROLLING   | URBAN LAND     | somewhat excessively | ---            |
| WcA             | WESTMORELAND CHANNERY SILT LOAM, 0 TO 3 PERCENT SLOPES                      | WESTMORELAND   | well                 | Low            |
| WcB             | WESTMORELAND CHANNERY SILT LOAM, 3 TO 12 PERCENT SLOPES                     | WESTMORELAND   | well                 | Medium         |
| WcC2            | WESTMORELAND CHANNERY SILT LOAM, 12 TO 20 PERCENT SLOPES, MODERATELY ERODED | WESTMORELAND   | well                 | Medium         |
| WcD2            | WESTMORELAND CHANNERY SILT LOAM, 20 TO 30 PERCENT SLOPES, MODERATELY ERODED | WESTMORELAND   | well                 | High           |
| WrA             | WHARTON SILT LOAM, 0 TO 3 PERCENT SLOPES                                    | WHARTON        | moderately well      | Medium (1)     |
| WrB2            | WHARTON SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED                 | Wharton        | moderately well      | High           |
| WrC2            | WHARTON SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED                | Wharton        | moderately well      | High           |
| WrD2            | WHARTON SILT LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED               | WHARTON        | moderately well      | Very high (1)  |
| WrE2            | WHARTON SILT LOAM, 25 TO 35 PERCENT SLOPES, MODERATELY ERODED               | WHARTON        | moderately well      | Very high (1)  |
| WsB             | WHARTON VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES                         | Wharton        | moderately well      | High           |

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Franklin County, Pennsylvania

| MAP UNIT<br>SYMBOL | MAP UNIT NAME                                   | COMPONENT NAME | DRAINAGE        | SURFACE RUNOFF |
|--------------------|---|----------------|-----------------|----------------|
| Wse                | WHARTON VERY STONY SILT LOAM, 8 TO 30<br>SLOPES | WHARTON        | moderately well | High (1)       |

(1) A null value in Ksat makes the calculated runoff class uncertain. Null values are most commonly in bedrock layers or hardpans that should be assigned impermeable or very slow Ksat values. Calculation Based on National Soils Handbook, Part 618-50; and Soil Survey Manual, p113-114