

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

Clinton County, Pennsylvania

| MAP UNIT SYMBOL | MAP UNIT NAME | COMPONENT NAME | DRAINAGE | SURFACE RUNOFF |
|-----------------|---|------------------|----------------------|----------------|
| AeB | Aeric Epiaquents, gently sloping | Aeric Epiaquents | somewhat poorly | Low |
| AfD | Allegheny silt loam, 8 to 25 percent slopes | Allegheny | well | Medium |
| AgB | Allenwood gravelly silt loam, 3 to 8 percent slopes | Allenwood | well | Medium |
| AgC | Allenwood gravelly silt loam, 8 to 15 percent slopes | Allenwood | well | Medium |
| AgD | Allenwood gravelly silt loam, 15 to 25 percent slopes | Allenwood | well | High |
| At | Atkins silt loam | Atkins | poorly | Very high |
| Ba | Barbour fine sandy loam | Barbour | well | Low |
| Bb | Barbour-Craigsville complex | Barbour | well | Low |
| Bb | Barbour-Craigsville complex | Craigsville | well | Negligible |
| Bc | Basher silt loam | Basher | moderately well | Low |
| BeB | Berks channery silt loam, 3 to 8 percent slopes | Berks | well | Low |
| BeC | Berks channery silt loam, 8 to 15 percent slopes | Berks | well | Low |
| BeD | Berks-Weikert complex, 15 to 25 percent slopes | Berks | well | Medium |
| BeD | Berks-Weikert complex, 15 to 25 percent slopes | Weikert | somewhat excessively | Medium |
| BeE | Berks-Weikert complex, 25 to 60 percent slopes | Berks | well | Medium |
| BeE | Berks-Weikert complex, 25 to 60 percent slopes | Weikert | somewhat excessively | Medium |
| BgA | Brinkerton silt loam, 0 to 3 percent slopes | Brinkerton | poorly | Very high |
| BhB | Buchanan gravelly loam, 3 to 8 percent slopes | Buchanan | moderately well | High |
| BhD | Buchanan gravelly loam, 8 to 25 percent slopes | Buchanan | moderately well | High |
| BmB | Buchanan gravelly loam, 0 to 8 percent slopes, extremely stony | Buchanan | moderately well | Medium |
| BmC | Buchanan gravelly loam, 8 to 25 percent slopes, extremely stony | Buchanan | moderately well | High |

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|-----------------|--|----------------|----------------------|----------------|
| BuB | Buchanan-Andover gravelly loams, 3 to 8 percent slopes | Buchanan | moderately well | High |
| BuB | Buchanan-Andover gravelly loams, 3 to 8 percent slopes | Andover | poorly | Very high |
| BuC | Buchanan-Andover gravelly loams, 8 to 15 percent slopes | Buchanan | moderately well | High |
| BuC | Buchanan-Andover gravelly loams, 8 to 15 percent slopes | Andover | poorly | Very high |
| BxB | Buchanan-Andover gravelly loams, 0 to 8 percent slopes, extremely stony | Buchanan | moderately well | High |
| BxB | Buchanan-Andover gravelly loams, 0 to 8 percent slopes, extremely stony | Andover | poorly | Very high |
| BxC | Buchanan-andover gravelly loams, 8 to 25 percent slopes, extremely stony | Buchanan | moderately well | High |
| BxC | Buchanan-andover gravelly loams, 8 to 25 percent slopes, extremely stony | Andover | poorly | Very high |
| CaB | Calvin channery silt loam, 3 to 8 percent slopes | Calvin | well | Very low |
| CaC | Calvin channery silt loam, 8 to 15 percent slopes | Calvin | well | Low |
| CbC | Cedarcreek extremely channery loam, strongly sloping | Cedarcreek | somewhat excessively | Low |
| CbD | Cedarcreek extremely channery loam, moderately steep | Cedarcreek | somewhat excessively | Medium |
| CbE | Cedarcreek extremely channery loam, steep | Cedarcreek | somewhat excessively | Medium |
| CcA | Chenango gravelly loam, 0 to 3 percent slopes | Chenango | well | Very low |
| CcB | Chenango gravelly loam, 3 to 8 percent slopes | Chenango | well | Low |
| CdB | Clymer loam, 3 to 8 percent slopes | Clymer | well | Medium |
| CdD | Clymer loam, 8 to 25 percent slopes | Clymer | well | Medium |
| CeA | Clymer channery loam, 0 to 3 percent slopes | Clymer | well | Low |
| CeB | Clymer channery loam, 3 to 8 percent slopes | Clymer | well | Medium |
| CeC | Clymer channery loam, 8 to 15 percent slopes | Clymer | well | Medium |

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|-----------------|--|----------------|-----------------|----------------|
| CfB | Clymer channery loam, 0 to 8 percent slopes, extremely stony | Clymer | well | Low |
| CgB | Clymer-Cookport channery loams, 0 to 8 percent slopes, extremely stony | Clymer | well | Low |
| CgB | Clymer-Cookport channery loams, 0 to 8 percent slopes, extremely stony | Cookport | moderately well | Medium |
| ChB | Clymer-Hazleton sandy loams, 0 to 8 percent slopes, extremely stony | Clymer | well | Low |
| ChB | Clymer-Hazleton sandy loams, 0 to 8 percent slopes, extremely stony | Hazleton | well | Very low |
| CmA | Comly silt loam, 0 to 3 percent slopes | Comly | moderately well | Medium |
| CmB | Comly silt loam, 3 to 8 percent slopes | Comly | moderately well | High |
| CmC | Comly silt loam, 8 to 15 percent slopes | Comly | moderately well | High |
| CnB | Cookport silt loam, 3 to 8 percent slopes | Cookport | moderately well | Medium |
| CoA | Cookport loam, 0 to 3 percent slopes | Cookport | moderately well | Medium |
| CoB | Cookport loam, 3 to 8 percent slopes | Cookport | moderately well | High |
| CpB | Cookport channery loam, 0 to 8 percent slopes, extremely stony | Cookport | moderately well | Medium |
| CpD | Cookport channery loam, 8 to 25 percent slopes, extremely stony | Cookport | moderately well | High |
| Cr | Craigsville gravelly loam | Craigsville | well | Negligible |
| DAM | Dam | Dam | | --- |
| Fr | Freetown mucky peat | Freetown | very poorly | Very high |
| GpB | Gilpin silt loam, 3 to 8 percent slopes | Gilpin | well | Low |
| GpC | Gilpin silt loam, 8 to 15 percent slopes | Gilpin | well | Medium |
| GwD | Gilpin-Wharton silt loams, 15 to 25 percent slopes | Gilpin | well | High |
| GwD | Gilpin-Wharton silt loams, 15 to 25 percent slopes | Wharton | moderately well | Very high |
| HeA | Hagerstown silt loam, 0 to 3 percent slopes | Hagerstown | well | Low |
| HeB | Hagerstown silt loam, 3 to 8 percent slopes | Hagerstown | well | Medium |
| HeC | Hagerstown silt loam, 8 to 15 percent slopes | Hagerstown | well | Medium |

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|-----------------|---|----------------|----------|----------------|
| HfB | Hagerstown silty clay loam, 3 to 8 percent slopes | Hagerstown | well | Medium |
| HgC | Hagerstown-Opequon silty clay loams, 8 to 15 percent slopes, rocky | Hagerstown | well | Medium |
| HgC | Hagerstown-Opequon silty clay loams, 8 to 15 percent slopes, rocky | Opequon | well | Medium |
| HhA | Hartleton channery silt loam, 0 to 3 percent slopes | Hartleton | well | Very low |
| HhB | Hartleton channery silt loam, 3 to 8 percent slopes | Hartleton | well | Low |
| HhC | Hartleton channery silt loam, 8 to 15 percent slopes | HARTLETON | well | Low |
| HjC | Hazleton channery sandy loam, 8 to 25 percent slopes, extremely stony | Hazleton | well | Low |
| HkE | Hazleton channery sandy loam, 25 to 80 percent slopes, rubbly | Hazleton | well | Medium |
| HlB | Hazleton-clymer channery loams, 3 to 8 percent slopes | Hazleton | well | Low |
| HlB | Hazleton-clymer channery loams, 3 to 8 percent slopes | Clymer | well | Medium |
| HlC | Hazleton-Clymer channery loams, 8 to 15 percent slopes | Hazleton | well | Low |
| HlC | Hazleton-Clymer channery loams, 8 to 15 percent slopes | Clymer | well | Medium |
| HlD | Hazleton-clymer channery loams, 15 to 25 percent slopes | Clymer | well | High |
| HlD | Hazleton-clymer channery loams, 15 to 25 percent slopes | Hazleton | well | Medium |
| HmB | Hazleton-clymer channery loams, 0 to 8 percent slopes, extremely stony | Hazleton | well | Very low |
| HmB | Hazleton-clymer channery loams, 0 to 8 percent slopes, extremely stony | Clymer | well | Low |
| HmD | Hazleton-Clymer channery loams, 8 to 25 percent slopes, extremely stony | Hazleton | well | Low |
| HmD | Hazleton-Clymer channery loams, 8 to 25 percent slopes, extremely stony | Clymer | well | Medium |
| HoF | Hazleton-Laidig complex, 25 to 50 percent slopes, extremely stony | Hazleton | well | Medium |
| HoF | Hazleton-Laidig complex, 25 to 50 percent slopes, extremely stony | Laidig | well | High |

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|-----------------|---|----------------|----------------------|----------------|
| HuB | Hustontown silt loam, 3 to 8 percent slopes | Hustontown | moderately well | Medium |
| HuC | Hustontown silt loam, 8 to 15 percent slopes | Hustontown | moderately well | Medium |
| HuD | Hustontown silt loam, 15 to 25 percent slopes | Hustontown | moderately well | Medium |
| KcD | Klinesville channery silt loam, 15 to 25 percent slopes | Klinesville | somewhat excessively | High |
| KcE | Klinesville channery silt loam, 25 to 80 percent slopes | Klinesville | somewhat excessively | High |
| KrA | Kreamer silt loam, 0 to 3 percent slopes | Kreamer | moderately well | High |
| LaB | Laidig gravelly loam, 3 to 8 percent slopes | Laidig | well | Medium |
| LaC | Laidig gravelly loam, 8 to 15 percent slopes | Laidig | well | Medium |
| LaD | Laidig gravelly loam, 15 to 25 percent slopes | Laidig | well | High |
| LdB | Laidig gravelly loam, 0 to 8 percent slopes, extremely stony | Laidig | well | Low |
| LdC | Laidig gravelly loam, 8 to 25 percent slopes, extremely stony | Laidig | well | Medium |
| LkB | Leck kill channery silt loam, 3 to 8 percent slopes | Leck kill | well | Low |
| LkC | Leck kill channery silt loam, 8 to 15 percent slopes | Leck kill | well | Low |
| LkD | Leck kill channery silt loam, 15 to 25 percent slopes | Leck kill | well | Medium |
| LkE | Leck kill channery silt loam, 25 to 35 percent slopes | Leck kill | well | Medium |
| LmD | Leck kill channery silt loam, 8 to 25 percent slopes, very stony | Leck kill | well | Low |
| LnB | Leetonia channery sandy loam, 0 to 8 percent slopes, extremely stony | Leetonia | well | Very low |
| LnC | Leetonia channery sandy loam, 8 to 25 percent slopes, extremely stony | Leetonia | well | Low |
| Lo | Linden silt loam, occassionally flooded | Linden | well | Very low |
| Lr | Linden silt loam, rarely flooded | Linden | well | Very low |
| MeB | Meckesville silt loam, 3 to 8 percent slopes | Meckesville | well | Medium |

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|-----------------|---|----------------|-----------------|----------------|
| MeC | Meckesville silt loam, 8 to 15 percent slopes | Meckesville | well | Medium |
| MeD | Meckesville silt loam, 15 to 25 percent slopes | Meckesville | well | High |
| MhD | Meckesville channery loam, 8 to 25 percent slopes, very stony | Meckesville | well | Medium |
| Mn | Melvin and Newark silt loams | Melvin | poorly | Very high |
| Mn | Melvin and Newark silt loams | Newark | somewhat poorly | Very high |
| MoB | Morrison channery sandy loam, 3 to 8 percent slopes | Morrison | well | Low |
| MoC | Morrison channery sandy loam, 8 to 15 percent slopes | Morrison | well | Low |
| MuA | Murrill silt loam, 0 to 3 percent slopes | Murrill | well | Low |
| MuB | Murrill silt loam, 3 to 8 percent slopes | Murrill | well | Medium |
| MuC | Murrill silt loam, 8 to 15 percent slopes | Murrill | well | Medium |
| MuD | Murrill silt loam, 15 to 25 percent slopes | Murrill | well | High |
| NoA | Nolo silt loam, 0 to 3 percent slopes | Nolo | poorly | Very high |
| NsA | Nolo silt loam, 0 to 3 percent slopes, extremely stony | Nolo | poorly | Very high |
| OeE | Opequon silty clay loam, 25 to 60 percent slopes, very rocky | Opequon | well | High |
| OhD | Opequon-Hagerstown silty clay loams, 15 to 25 percent slopes | Opequon | well | High |
| OhD | Opequon-Hagerstown silty clay loams, 15 to 25 percent slopes | Hagerstown | well | High |
| OsD | Opequon-Hagerstown silty clay loams, 15 to 25 percent slopes, rocky | Opequon | well | High |
| OsD | Opequon-Hagerstown silty clay loams, 15 to 25 percent slopes, rocky | Hagerstown | well | High |
| PaE | PENNVAL SILT LOAM, 15 TO 35 PERCENT SLOPES, VERY STONY | PENNVAL | well | Very high |
| Pb | Philo silt loam | Philo | moderately well | Low |
| Pc | Philo-linden silt loams | Philo | moderately well | Low |
| Pc | Philo-linden silt loams | Linden | well | Very low |
| Ps | Pits | Pits | | --- |

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|-----------------|--|----------------|----------------------|----------------|
| Pt | Potomac gravelly sandy loam | Potomac | somewhat excessively | Very low |
| Pu | Purdy silt loam, 0 to 3 percent slopes | Purdy | poorly | High |
| Qu | Quarry, limestone | Quarry | | --- |
| RaF | Rock outcrop-Rubble land complex, 50 to 90 percent slopes | Rock outcrop | | Medium |
| RaF | Rock outcrop-Rubble land complex, 50 to 90 percent slopes | Rubble land | excessively | Low |
| Rb | Rubble land | Rubble land | excessively | Low |
| TaA | Tilsit silt loam, 0 to 3 percent slopes | Tilsit | moderately well | High |
| TaB | Tilsit silt loam, 3 to 8 percent slopes | Tilsit | moderately well | High |
| TaC | Tilsit silt loam, 8 to 15 percent slopes | Tilsit | moderately well | Very high |
| TmA | Timberville silt loam, 0 to 3 percent slopes | Timberville | well | Low |
| TmB | Timberville silt loam, 3 to 8 percent slopes | Timberville | well | Medium |
| UnB | Ungers loam, 3 to 8 percent slopes | Ungers | well | Medium |
| UnC | Ungers loam, 8 to 15 percent slopes | Ungers | well | Medium |
| UoB | Ungers loam, 0 to 8 percent slopes, extremely stony | Ungers | well | Low |
| UoC | Ungers loam, 8 to 25 percent slopes, extremely stony | Ungers | well | Medium |
| UoE | Ungers loam, 25 to 50 percent slopes, extremely stony | Ungers | well | High |
| UpF | Ungers-Meckesville complex, 25 to 50 percent slopes, extremely stony | Ungers | well | High |
| UpF | Ungers-Meckesville complex, 25 to 50 percent slopes, extremely stony | Meckesville | well | High |
| UrC | Urban land-Berks complex, 3 to 15 percent slopes | Urban land | | --- (1) |
| UrC | Urban land-Berks complex, 3 to 15 percent slopes | Berks | well | Low |
| UsB | Urban land-Comly complex, 0 to 8 percent slopes | Urban land | | --- (1) |
| UsB | Urban land-Comly complex, 0 to 8 percent slopes | Comly | moderately well | Low |

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|-----------------|---|----------------|----------------------|----------------|
| UsC | Urban land-Comly complex, 8 to 15 percent slopes | Urban land | | --- (1) |
| UsC | Urban land-Comly complex, 8 to 15 percent slopes | Comly | moderately well | Medium |
| Ut | Urban land-Linden complex | Urban land | | --- (1) |
| Ut | Urban land-Linden complex | Linden | well | Very low |
| W | Water | Water | | --- |
| WaA | Watson silt loam, 0 to 5 percent slopes | Watson | moderately well | Medium |
| WbB | Wharton silt loam, 3 to 8 percent slopes | Wharton | moderately well | Medium |
| WbC | Wharton silt loam, 8 to 15 percent slopes | Wharton | moderately well | High |
| WeB | Wharton silt loam, 0 to 8 percent slopes, very stony | Wharton | moderately well | Medium |
| WgB | Wharton-Cookport complex, 0 to 8 percent slopes, very stony | Wharton | moderately well | Medium |
| WgB | Wharton-Cookport complex, 0 to 8 percent slopes, very stony | Cookport | moderately well | Medium |
| WhA | Wheeling silt loam, 0 to 3 percent slopes | Wheeling | well | Low |
| WyA | Wyoming very gravelly loam, 0 to 3 percent slopes | Wyoming | somewhat excessively | Negligible |
| WyB | Wyoming very gravelly loam, 3 to 8 percent slopes | Wyoming | somewhat excessively | Low |
| ZoA | Zoar silt loam, 0 to 3 percent slopes | Zoar | moderately well | Medium |

(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