

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

York County, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
ArB	Arendtsville gravelly loam, 3 to 8 percent slopes	Arendtsville	well	Low
ArC	Arendtsville gravelly loam, 8 to 15 percent slopes	Arendtsville	well	Low
ArD	Arendtsville gravelly loam, 15 to 25 percent slopes	Arendtsville	well	Medium
AtB	Athol gravelly silt loam, 3 to 8 percent slopes	Athol	well	Medium
AtC	Athol gravelly silt loam, 8 to 15 percent slopes	Athol	well	Medium
Ba	Baile silt loam	Baile	poorly	Very high
Be	Bermudian silt loam	Bermudian	well	Very low
BgA	Birdsboro silt loam, 0 to 3 percent slopes	Birdsboro	well	Low
BgB	Birdsboro silt loam, 3 to 8 percent slopes	Birdsboro	well	Medium
BgC	Birdsboro silt loam, 8 to 15 percent slopes	Birdsboro	well	Medium
Bo	Bowmansville silt loam	Bowmansville	somewhat poorly	Very high
BrB	Brecknock channery silt loam, 3 to 8 percent slopes	Brecknock	well	Medium
BrC	Brecknock channery silt loam, 8 to 15 percent slopes	Brecknock	well	Medium
BrD	Brecknock channery silt loam, 15 to 25 percent slopes	Brecknock	well	High
BsD	Brecknock channery silt loam, 8 to 25 percent slopes, very stony	Brecknock	well	High
BsF	Brecknock channery silt loam, 25 to 60 percent slopes, very stony	Brecknock	well	High
CcC	Catoctin channery silt loam, 8 to 15 percent slopes	Catoctin	well	High
Cd	Chagrín silt loam	Chagrín	well	Low
CeB	Chester silt loam, 3 to 8 percent slopes	Chester	well	Medium
CeC	Chester silt loam, 8 to 15 percent slopes	Chester	well	Medium
CkA	Clarksburg silt loam, 0 to 3 percent slopes	Clarksburg	moderately well	Low

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CkB	Clarksburg silt loam, 3 to 8 percent slopes	Clarksburg	moderately well	Medium
Cm	Codorus silt loam	Codorus	moderately well	Very high
CnA	Conestoga silt loam, 0 to 3 percent slopes	Conestoga	well	Low
CnB	Conestoga silt loam, 3 to 8 percent slopes	Conestoga	well	Medium
CnC	Conestoga silt loam, 8 to 15 percent slopes	Conestoga	well	Medium
CrA	Croton silt loam, 0 to 3 percent slopes	Croton	poorly	Very high
CrB	Croton silt loam, 3 to 8 percent slopes	Croton	poorly	Very high
DAM	Dams	Dams		--- (1)
DuA	Duffield silt loam, 0 to 3 percent slopes	Duffield	well	Low
DuB	Duffield silt loam, 3 to 8 percent slopes	Duffield	well	Medium
DuC	Duffield silt loam, 8 to 15 percent slopes	Duffield	well	Medium
DWD	Duffield and Hagerstown silt loams, 15 to 25 percent slopes	Duffield	well	High
DWD	Duffield and Hagerstown silt loams, 15 to 25 percent slopes	Hagerstown	well	High
Dx	Dumps, refuse	Dumps, refuse		---
EdB	Edgemont channery loam, 3 to 8 percent slopes	Edgemont	well	Low
EdC	Edgemont channery loam, 8 to 15 percent slopes	Edgemont	well	Low
EdD	Edgemont channery loam, 15 to 25 percent slopes	Edgemont	well	Medium
EeB	Edgemont channery loam, 0 to 8 percent slopes, very stony	Edgemont	well	Low
EeD	Edgemont channery loam, 8 to 25 percent slopes, very stony	Edgemont	well	Medium
EeF	Edgemont channery loam, 25 to 70 percent slopes, very stony	Edgemont	well	Medium
EkA	Elk silt loam, 0 to 3 percent slopes	Elk	well	Low
EkB	Elk silt loam, 3 to 8 percent slopes	Elk	well	Medium

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GbB	Glenelg channery silt loam, 3 to 8 percent slopes	Glenelg	well	Medium
GbC	Glenelg channery silt loam, 8 to 15 percent slopes	Glenelg	well	Medium
GbD	Glenelg channery silt loam, 15 to 25 percent slopes	Glenelg	well	High
GdA	Glenville silt loam, 0 to 3 percent slopes	Glenville	moderately well	Medium
GdB	Glenville silt loam, 3 to 8 percent slopes	Glenville	moderately well	High
HaA	Hagerstown silt loam, 0 to 3 percent slopes	Hagerstown	well	Low
HaB	Hagerstown silt loam, 3 to 8 percent slopes	Hagerstown	well	Medium
HaC	Hagerstown silt loam, 8 to 15 percent slopes	Hagerstown	well	Medium
Hc	Hatboro silt loam	Hatboro	poorly	Very high
HgB	Highfield channery silt loam, 3 to 8 percent slopes	Highfield	well	Medium
HgC	Highfield channery silt loam, 8 to 15 percent slopes	Highfield	well	Medium
HHD	Highfield and Catoctin channery silt loams, 15 to 25 percent slopes	Highfield	well	High
HHD	Highfield and Catoctin channery silt loams, 15 to 25 percent slopes	Catoctin	well	High
HKD	Highfield, Catoctin, and Myersville soils, 8 to 25 percent slopes, very stony	Highfield	well	High
HKD	Highfield, Catoctin, and Myersville soils, 8 to 25 percent slopes, very stony	Catoctin	well	High
HKD	Highfield, Catoctin, and Myersville soils, 8 to 25 percent slopes, very stony	Myersville	well	High
KnD	Klinesville channery silt loam, 15 to 25 percent slopes	Klinesville	somewhat excessively	High
KnE	Klinesville channery silt loam, 25 to 40 percent slopes	Klinesville	somewhat excessively	High
Lc	Lamington silt loam	Lamington	poorly	Very high
LeB	Lansdale loam, 3 to 8 percent slopes	Lansdale	well	Medium

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LfC	Lansdale channery loam, 8 to 15 percent slopes	Lansdale	well	Medium
LgB	Legore channery silt loam, 3 to 8 percent slopes	Legore	well	Medium
LgC	Legore channery silt loam, 8 to 15 percent slopes	Legore	well	Medium
LgD	Legore channery silt loam, 15 to 25 percent slopes	Legore	well	High
LhA	Lehigh channery silt loam, 0 to 3 percent slopes	Lehigh	somewhat poorly	High
LhB	Lehigh channery silt loam, 3 to 8 percent slopes	Lehigh	somewhat poorly	Very high
LhC	Lehigh channery silt loam, 8 to 15 percent slopes	Lehigh	somewhat poorly	Very high
LhD	Lehigh channery silt loam, 15 to 25 percent slopes	Lehigh	somewhat poorly	Very high
LkB	Lehigh channery silt loam, 0 to 8 percent slopes, very stony	Lehigh	somewhat poorly	High
LrB	Lewisberry gravelly sandy loam, 3 to 8 percent slopes	Lewisberry	well	Low
LrC	Lewisberry gravelly sandy loam, 8 to 15 percent slopes	Lewisberry	well	Low
LSD	Lewisberry and Lansdale soils, 8 to 25 percent slopes, very stony	Lewisberry	moderately well	Medium
LSD	Lewisberry and Lansdale soils, 8 to 25 percent slopes, very stony	Lansdale	well	High
Lw	Lindside silt loam	Lindside	moderately well	Low
MdA	Mount Lucas silt loam, 0 to 3 percent slopes	Mount Lucas	moderately well	Medium
MdB	Mount Lucas silt loam, 3 to 8 percent slopes	Mount Lucas	moderately well	High
MeB	Mount Lucas silt loam, 0 to 8 percent slopes, very bouldery	Mount Lucas	moderately well	High
MOB	Mt. Airy and Manor soils, 3 to 8 percent slopes	Mt. Airy	somewhat excessively	High
MOB	Mt. Airy and Manor soils, 3 to 8 percent slopes	Manor	well	Medium
MOC	Mt. Airy and Manor soils, 8 to 15 percent slopes	Mt. Airy	somewhat excessively	High

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MOC	Mt. Airy and Manor soils, 8 to 15 percent slopes	Manor	well	Medium
MOD	Mt. Airy and Manor soils, 15 to 25 percent slopes	Mt. Airy	somewhat excessively	High
MOD	Mt. Airy and Manor soils, 15 to 25 percent slopes	Manor	well	High
MOE	Mt. Airy and Manor soils, 25 to 35 percent slopes	Mt. Airy	somewhat excessively	High
MOE	Mt. Airy and Manor soils, 25 to 35 percent slopes	Manor	well	High
MPD	Mt. Airy and Manor soils, 8 to 25 percent slopes, very stony	Mt. Airy	somewhat excessively	High
MPD	Mt. Airy and Manor soils, 8 to 25 percent slopes, very stony	Manor	well	High
MRF	Mt. Airy and Manor soils, 25 to 60 percent slopes, extremely stony	Mt. Airy	somewhat excessively	High
MRF	Mt. Airy and Manor soils, 25 to 60 percent slopes, extremely stony	Manor	well	High
MvB	Murrill gravelly loam, 3 to 8 percent slopes	Murrill	well	Medium
MvC	Murrill gravelly loam, 8 to 15 percent slopes	Murrill	well	Medium
NaB	Neshaminy channery silt loam, 3 to 8 percent slopes	Neshaminy	well	High
NaC	Neshaminy channery silt loam, 8 to 15 percent slopes	Neshaminy	well	High
NdB	Neshaminy channery silt loam, 0 to 8 percent slopes, extremely bouldery	Neshaminy	well	High
NdD	Neshaminy channery silt loam, 8 to 25 percent slopes, extremely bouldery	Neshaminy	well	Very high
NdE	Neshaminy channery silt loam, 25 to 45 percent slopes, extremely bouldery	Neshaminy	well	Very high
Pa	Penlaw silt loam	Penlaw	somewhat poorly	Very high
PbB	Penn loam, 0 to 8 percent slopes, very stony	Penn	well	Low
PbD	Penn loam, 8 to 25 percent slopes, very stony	Penn	well	Medium
PcF	Penn channery loam, 25 to 50 percent slopes, very stony	Penn	well	Medium

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PeB	Penn silt loam, 3 to 8 percent slopes	Penn	well	Low
PeC	Penn silt loam, 8 to 15 percent slopes	Penn	well	Low
PoB	Penn-Klinesville channery silt loams, 3 to 8 percent slopes	Penn	well	Low
PoB	Penn-Klinesville channery silt loams, 3 to 8 percent slopes	Klinesville	somewhat excessively	Medium
PoC	Penn-Klinesville channery silt loams, 8 to 15 percent slopes	Penn	well	Low
PoC	Penn-Klinesville channery silt loams, 8 to 15 percent slopes	Klinesville	somewhat excessively	Medium
PpB	Penn-Lansdale complex, 3 to 8 percent slopes	Penn	well	Low
PpB	Penn-Lansdale complex, 3 to 8 percent slopes	Lansdale	well	Medium
PpC	Penn-Lansdale complex, 8 to 15 percent slopes	Penn	well	Low
PpC	Penn-Lansdale complex, 8 to 15 percent slopes	Lansdale	well	Medium
PsB	Pequea silt loam, 3 to 8 percent slopes	Pequea	well	Low
PsC	Pequea silt loam, 8 to 15 percent slopes	Pequea	well	Low
PsD	Pequea silt loam, 15 to 25 percent slopes	Pequea	well	Medium
Pt	Pits, quarries	Pits, quarries		---
RaA	Raritan silt loam, 0 to 3 percent slopes	Raritan	moderately well	Low
RaB	Raritan silt loam, 3 to 8 percent slopes	Raritan	moderately well	Medium
ReA	Readington silt loam, 0 to 3 percent slopes	Readington	moderately well	Low
ReB	Readington silt loam, 3 to 8 percent slopes	Readington	moderately well	Medium
RfB	Reaville channery silt loam, 3 to 8 percent slopes	Reaville	somewhat poorly	Very high
RfC	Reaville channery silt loam, 8 to 15 percent slopes	Reaville	somewhat poorly	Very high
Rw	Rowland silt loam	Rowland	moderately well	Low
StC	Steinsburg channery sandy loam, 8 to 15 percent slopes	Steinsburg	well	Low

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StD	Steinsburg channery sandy loam, 15 to 25 percent slopes	Steinsburg	well	Medium
Uc	Urban land	Urban land		--- (1)
UdB	Urban land-Chester complex, 0 to 8 percent slopes	Urban land		--- (1)
UdB	Urban land-Chester complex, 0 to 8 percent slopes	Chester	well	Medium
UeB	Urban land-Conestoga complex, 0 to 8 percent slopes	Urban land		--- (1)
UeB	Urban land-Conestoga complex, 0 to 8 percent slopes	Conestoga	well	Medium
UfC	Urban land-Mt. Airy complex, 8 to 15 percent slopes	Urban land		--- (1)
UfC	Urban land-Mt. Airy complex, 8 to 15 percent slopes	Mt. Airy	somewhat excessively	High
UgB	Urban land-Penn complex, 0 to 8 percent slopes	Urban land		--- (1)
UgB	Urban land-Penn complex, 0 to 8 percent slopes	Penn	well	Very low
W	Water	Water		---
WaA	Watchung silt loam, 0 to 3 percent slopes	Watchung	poorly	Very high
WaB	Watchung silt loam, 3 to 8 percent slopes	Watchung	poorly	Very high
WbB	Watchung silt loam, 0 to 8 percent slopes, extremely bouldery	Watchung	poorly	Very high

(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