

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

Cumberland and Perry Counties, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
AbB	ALBRIGHTS SILT LOAM, 3 TO 8 PERCENT SLOPES	ALBRIGHTS	somewhat poorly	Medium
AbC	ALBRIGHTS SILT LOAM, 8 TO 15 PERCENT SLOPES	ALBRIGHTS	somewhat poorly	Medium
AgA	ALLEGHENY SILT LOAM, 0 TO 3 PERCENT SLOPES	ALLEGHENY	well	Low
AgB	ALLEGHENY SILT LOAM, 3 TO 8 PERCENT SLOPES	ALLEGHENY	well	Medium
AnB	ANDOVER GRAVELLY LOAM, 0 TO 8 PERCENT SLOPES	ANDOVER	poorly	Very high
AoB	ANDOVER VERY STONY LOAM, 0 TO 8 PERCENT SLOPES	ANDOVER	poorly	Very high
AtB	ATHOL GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	ATHOL	well	Medium (1)
AtC	ATHOL GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	ATHOL	well	Medium (1)
AtD	ATHOL GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES	ATHOL	well	High (1)
Aw	ATKINS SILT LOAM	ATKINS	poorly	Very high
Bb	BARBOUR SOILS	BARBOUR	well	Low
Bc	BASHER SOILS	BASHER	somewhat poorly	Low
BdB	BEDINGTON SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES	BEDINGTON	well	Medium
BdC	BEDINGTON SHALY SILT LOAM, 8 TO 15 PERCENT SLOPES	BEDINGTON	well	Medium
BdD	BEDINGTON SHALY SILT LOAM, 15 TO 25 PERCENT SLOPES	BEDINGTON	well	High
BeB	BERKS SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES	BERKS	well	Low (1)
BeC	BERKS SHALY SILT LOAM, 8 TO 15 PERCENT SLOPES	BERKS	well	Low (1)
BeD	BERKS SHALY SILT LOAM, 15 TO 25 PERCENT SLOPES	BERKS	well	Medium (1)
BhB	BERKS STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	BERKS	well	Low (1)
BhD	BERKS STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	BERKS	well	Medium (1)
BoA	BIRDSBORO SILT LOAM, 0 TO 5 PERCENT SLOPES	BIRDSBORO	well	Low

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BpB	BLAIRTON SILT LOAM, 3 TO 8 PERCENT SLOPES	BLAIRTON	somewhat poorly	High (1)
BrA	BRINKERTON SILT LOAM, 0 TO 3 PERCENT SLOPES	BRINKERTON	poorly	Very high
BrB	BRINKERTON SILT LOAM, 3 TO 8 PERCENT SLOPES	BRINKERTON	poorly	Very high
BuB	BUCHANAN GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	BUCHANAN	moderately well	High
BuC	BUCHANAN GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	BUCHANAN	moderately well	High
BxB	BUCHANAN VERY STONY LOAM, 0 TO 8 PERCENT SLOPES	BUCHANAN	moderately well	High
BxC	BUCHANAN VERY STONY LOAM, 8 TO 25 PERCENT SLOPES	BUCHANAN	moderately well	High
CaB	CALVIN SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES	CALVIN	well	Low (1)
CaC	CALVIN SHALY SILT LOAM, 8 TO 15 PERCENT SLOPES	CALVIN	well	Low (1)
CaD	CALVIN SHALY SILT LOAM, 15 TO 25 PERCENT SLOPES	CALVIN	well	Medium (1)
CbB	CALVIN-BERKS SHALY SILT LOAMS, 3 TO 8 PERCENT SLOPES	CALVIN	well	Low (1)
CbB	CALVIN-BERKS SHALY SILT LOAMS, 3 TO 8 PERCENT SLOPES	BERKS	well	Low (1)
CbC	CALVIN-BERKS SHALY SILT LOAMS, 8 TO 15 PERCENT SLOPES	CALVIN	well	Low (1)
CbC	CALVIN-BERKS SHALY SILT LOAMS, 8 TO 15 PERCENT SLOPES	BERKS	well	Low (1)
CbD	CALVIN-BERKS SHALY SILT LOAMS, 15 TO 25 PERCENT SLOPES	CALVIN	well	Medium (1)
CbD	CALVIN-BERKS SHALY SILT LOAMS, 15 TO 25 PERCENT SLOPES	BERKS	well	Medium (1)
CcC	CATOCTIN CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	CATOCTIN	well	Low (1)
Ch	CHAVIES FINE SANDY LOAM	CHAVIES	well	Very low
CmB	CLYMER VERY STONY LOAM, 0 TO 8 PERCENT SLOPES	CLYMER	well	Medium (1)
CmD	CLYMER VERY STONY LOAM, 8 TO 25 PERCENT SLOPES	CLYMER	well	Medium (1)

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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
DxA	DUNCANNON VERY FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES	DUNCANNON	well	Low
DxB	DUNCANNON VERY FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	DUNCANNON	well	Medium
Dy	DYSTROCHREPTS, BOULDERY	DYSTROCHREPTS	well	Low
EbB	EDGEMONT CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	Edgemont	well	Low
EbC	EDGEMONT CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	Edgemont	well	Low
EcB	EDGEMONT CHANNERY LOAM, 0 TO 8 PERCENT SLOPES, VERY STONY	Edgemont	well	Low
EcD	EDGEMONT CHANNERY LOAM, 8 TO 25 PERCENT SLOPES, VERY STONY	Edgemont	well	Medium
EcF	EDGEMONT CHANNERY LOAM, 25 TO 70 PERCENT SLOPES, VERY STONY	Edgemont	well	Medium
EdB	EDOM SILTY CLAY LOAM, 3 TO 8 PERCENT SLOPES	EDOM	well	Medium (1)
EdC	EDOM SILTY CLAY LOAM, 8 TO 15 PERCENT SLOPES	EDOM	well	Medium (1)
EdD	EDOM SILTY CLAY LOAM, 15 TO 25 PERCENT SLOPES	EDOM	well	High (1)
EdE	EDOM SILTY CLAY LOAM, 25 TO 40 PERCENT SLOPES	EDOM	well	High (1)
EeB	ELLIBER VERY CERTY SILT LOAM, 3 TO 8 PERCENT SLOPES	ELLIBER	well	Low
EeC	ELLIBER VERY CERTY SILT LOAM, 8 TO 15 PERCENT SLOPES	ELLIBER	well	Low
EeD	ELLIBER VERY CERTY SILT LOAM, 15 TO 25 PERCENT SLOPES	ELLIBER	well	Medium
EfB	ELLIBER VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	ELLIBER	well	Low
EfD	ELLIBER VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	ELLIBER	well	Medium

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EfF	ELLIBER VERY STONY SILT LOAM, 25 TO 50 PERCENT SLOPES	ELLIBER	well	Medium
EtB	ERNEST SILT LOAM, 3 TO 8 PERCENT SLOPES	ERNEST	moderately well	Medium
EtC	ERNEST SILT LOAM, 8 TO 15 PERCENT SLOPES	ERNEST	moderately well	Medium
EvA	EVENDALE CHERTY SILT LOAM, 0 TO 3 PERCENT SLOPES	EVENDALE	somewhat poorly	Very high
EvB	EVENDALE CHERTY SILT LOAM, 3 TO 8 PERCENT SLOPES	EVENDALE	somewhat poorly	Very high
GnB	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	GLENVILLE	moderately well	Medium
GoB	GLENVILLE VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	GLENVILLE	moderately well	Medium
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
HaD	HAGERSTOWN SILT LOAM, 15 TO 25 PERCENT SLOPES	HAGERSTOWN	well	High
HcB	HAGERSTOWN SILT LOAM, ROCKY, 3 TO 8 PERCENT SLOPES	HAGERSTOWN	well	Medium
HcC	HAGERSTOWN SILT LOAM, ROCKY, 8 TO 15 PERCENT SLOPES	HAGERSTOWN	well	Medium
HcD	HAGERSTOWN SILT LOAM, ROCKY, 15 TO 25 PERCENT SLOPES	HAGERSTOWN	well	High
HdB	HAGERSTOWN-ROCK OUTCROP COMPLEX, 0 TO 8 PERCENT SLOPES	HAGERSTOWN	well	Medium
HdB	HAGERSTOWN-ROCK OUTCROP COMPLEX, 0 TO 8 PERCENT SLOPES	ROCK OUTCROP	well	---
HdD	HAGERSTOWN-ROCK OUTCROP COMPLEX, 8 TO 25 PERCENT SLOPES	HAGERSTOWN	well	High
HdD	HAGERSTOWN-ROCK OUTCROP COMPLEX, 8 TO 25 PERCENT SLOPES	ROCK OUTCROP	well	---
HdF	HAGERSTOWN-ROCK OUTCROP COMPLEX, 25 TO 60 PERCENT SLOPES	HAGERSTOWN	well	High
HdF	HAGERSTOWN-ROCK OUTCROP COMPLEX, 25 TO 60 PERCENT SLOPES	ROCK OUTCROP	well	---

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HeB	HAZLETON CHANNERY SANDY LOAM, 3 TO 8 PERCENT SLOPES	HAZLETON	well	Low (1)
HeD	HAZLETON CHANNERY SANDY LOAM, 15 TO 25 PERCENT SLOPES	HAZLETON	well	Medium (1)
HfB	HAZLETON EXTREMELY STONY SANDY LOAM, 0 TO 8 PERCENT SLOPES	HAZLETON	well	Low (1)
HfD	HAZLETON EXTREMELY STONY SANDY LOAM, 8 TO 25 PERCENT SLOPES	HAZLETON	well	Medium (1)
HfF	HAZLETON EXTREMELY STONY SANDY LOAM, 25 TO 60 PERCENT SLOPES	HAZLETON	well	Medium (1)
HgB	HIGHFIELD CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	HIGHFIELD	well	Medium (1)
HgC	HIGHFIELD CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	HIGHFIELD	well	Medium (1)
HhB	HIGHFIELD VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	HIGHFIELD	well	Medium (1)
HhD	HIGHFIELD VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	HIGHFIELD	well	High (1)
HhF	HIGHFIELD VERY STONY SILT LOAM, 25 TO 50 PERCENT SLOPES	HIGHFIELD	well	High (1)
HuA	HUNTINGTON SILT LOAM, 0 TO 5 PERCENT SLOPES	HUNTINGTON	well	Low
KnB	KLINESVILLE VERY SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES	KLINESVILLE	well	Low (1)
KnC	KLINESVILLE VERY SHALY SILT LOAM, 8 TO 15 PERCENT SLOPES	KLINESVILLE	well	Low (1)
KnD	KLINESVILLE VERY SHALY SILT LOAM, 15 TO 25 PERCENT SLOPES	KLINESVILLE	well	Medium (1)
KrA	KREAMER CERTY SILT LOAM, 0 TO 3 PERCENT SLOPES	KREAMER	moderately well	High
KrB	KREAMER CERTY SILT LOAM, 3 TO 8 PERCENT SLOPES	KREAMER	moderately well	Very high
KrC	KREAMER CERTY SILT LOAM, 8 TO 15 PERCENT SLOPES	KREAMER	moderately well	Very high
LdB	LAIDIG CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	LAIDIG	well	Medium
LdC	LAIDIG CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	LAIDIG	well	Medium
LgB	LAIDIG VERY STONY LOAM, 0 TO 8 PERCENT SLOPES	LAIDIG	well	Medium

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LgD	LAIDIG VERY STONY LOAM, 8 TO 25 PERCENT SLOPES	LAIDIG	well	High
LpB	LEHEW VERY STONY LOAM, 0 TO 8 PERCENT SLOPES	LEHEW	well	Very low (1)
LpD	LEHEW VERY STONY LOAM, 8 TO 25 PERCENT SLOPES	LEHEW	well	Low (1)
Ls	LINDSIDE SILT LOAM	LINDSIDE	moderately well	Low
M-W	MISCELLANEOUS WATER	Miscellaneous water		---
McB	MECKESVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	MECKESVILLE	well	Medium
MdB	MECKESVILLE VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	MECKESVILLE	well	Medium
MdD	MECKESVILLE VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	MECKESVILLE	well	High
Me	MELVIN SILT LOAM	MELVIN	poorly	Very high
Mf	MIDDLEBURY SOILS	MIDDLEBURY	moderately well	Low
MnA	MONONGAHELA SILT LOAM, 0 TO 3 PERCENT SLOPES	MONONGAHELA	moderately well	Low
MnB	MONONGAHELA SILT LOAM, 3 TO 8 PERCENT SLOPES	MONONGAHELA	moderately well	Medium
MnC	MONONGAHELA SILT LOAM, 8 TO 15 PERCENT SLOPES	MONONGAHELA	moderately well	Medium
MoB	MORRISON SANDY LOAM, 3 TO 8 PERCENT SLOPES	MORRISON	well	Low
MoC	MORRISON SANDY LOAM, 8 TO 15 PERCENT SLOPES	MORRISON	well	Low
MoD	MORRISON SANDY LOAM, 15 TO 25 PERCENT SLOPES	MORRISON	well	Medium
MuA	MURRILL CHANNERY LOAM, 0 TO 3 PERCENT SLOPES	MURRILL	well	Low
MuB	MURRILL CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	MURRILL	well	Medium
MuC	MURRILL CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	MURRILL	well	Medium
NeB	NESHAMINY GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES	NESHAMINY	well	High (1)
NeC	NESHAMINY GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES	NESHAMINY	well	High (1)

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NhB	NESHAMINY VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	NESHAMINY	well	High (1)
NhD	NESHAMINY VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	NESHAMINY	well	Very high (1)
Pe	PENLAW SILT LOAM, 0 TO 3 PERCENT SLOPES	PENLAW	somewhat poorly	Very high
Pt	PITS AND QUARRIES	PITS AND QUARRIES		--- (1)
Pu	PURDY SILT LOAM	PURDY	poorly	High
RaA	RARITAN SILT LOAM, 0 TO 5 PERCENT SLOPES	RARITAN	moderately well	Low
Tg	TIOGA SOILS	TIOGA	well	Very low
Ty	TYLER SILT LOAM	TYLER	somewhat poorly	Very high
Ub	URBAN LAND AND UDORTHENTS	URBAN LAND		--- (1)
Ub	URBAN LAND AND UDORTHENTS	UDORTHENTS		High
w	WATER	WATER		---
Wa	WARNERS SILT LOAM	WARNERS	very poorly	Low (1)
WeB	WEIKERT VERY SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES	WEIKERT	well	Low (1)
WeC	WEIKERT VERY SHALY SILT LOAM, 8 TO 15 PERCENT SLOPES	WEIKERT	well	Low (1)
WeD	WEIKERT VERY SHALY SILT LOAM, 15 TO 25 PERCENT SLOPES	WEIKERT	well	Medium (1)
WkF	WEIKERT AND KLINESVILLE VERY SHALY SILT LOAMS, 25 TO 75 PERCENT SLOPES	WEIKERT	well	Medium (1)
WkF	WEIKERT AND KLINESVILLE VERY SHALY SILT LOAMS, 25 TO 75 PERCENT SLOPES	KLINESVILLE	well	Medium (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