

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

Juniata and Mifflin Counties, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
AbB	ALLEGHENY LOAM, 2 TO 8 PERCENT SLOPES	ALLEGHENY	well	Medium
AdB	ALLENWOOD GRAVELLY SILT LOAM, 2 TO 8 PERCENT SLOPES	ALLENWOOD	well	Medium
AdC	ALLENWOOD GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES	ALLENWOOD	well	Medium
AdD	ALLENWOOD GRAVELLY SILT LOAM, 15 TO 25 PERCENT SLOPES	ALLENWOOD	well	High
AlB	ALVIRA SILT LOAM, 2 TO 8 PERCENT SLOPES	ALVIRA	somewhat poorly	Very high
AnB	ANDOVER GRAVELLY LOAM, 2 TO 8 PERCENT SLOPES	ANDOVER	poorly	Very high
AoB	ANDOVER EXTREMELY STONY LOAM, 0 TO 8 PERCENT SLOPES	ANDOVER	poorly	Very high
AoC	ANDOVER EXTREMELY STONY LOAM, 8 TO 15 PERCENT SLOPES	ANDOVER	poorly	Very high
As	ASHTON SILT LOAM	ASHTON	well	Low
At	ATKINS SILT LOAM	ATKINS	poorly	Very high
BkB	BERKS SHALY SILT LOAM, 2 TO 8 PERCENT SLOPES	BERKS	well	Low
BkC	BERKS SHALY SILT LOAM, 8 TO 15 PERCENT SLOPES	BERKS	well	Low
B1D	BERKS-WEIKERT SHALY SILT LOAMS, 15 TO 25 PERCENT SLOPES	BERKS	well	Medium
B1D	BERKS-WEIKERT SHALY SILT LOAMS, 15 TO 25 PERCENT SLOPES	WEIKERT	well	Medium
BMF	BERKS-WEIKERT ASSOCIATION, STEEP	BERKS	well	Medium
BMF	BERKS-WEIKERT ASSOCIATION, STEEP	WEIKERT	well	Medium
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	Very high
BuC	BUCHANAN GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	BUCHANAN	moderately well	Very high
BxB	BUCHANAN EXTREMELY STONY LOAM, 3 TO 8 PERCENT SLOPES	BUCHANAN	moderately well	Very high
BxD	BUCHANAN EXTREMELY STONY LOAM, 8 TO 15 PERCENT SLOPES	BUCHANAN	moderately well	Very high

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C.F.	CUT AND FILL	CUT AND FILL		--- (1)
CaB	CHAVIES LOAM, 2 TO 8 PERCENT SLOPES	CHAVIES	well	Low
EdB	EDOM SILTY CLAY LOAM, 3 TO 8 PERCENT SLOPES	EDOM	well	Medium
EdC	EDOM SILTY CLAY LOAM, 8 TO 15 PERCENT SLOPES	EDOM	well	Medium
EdD	EDOM SILTY CLAY LOAM, 15 TO 25 PERCENT SLOPES	EDOM	well	High
EeB	EDOM-KLINESVILLE COMPLEX, 3 TO 8 PERCENT SLOPES	EDOM	well	Medium
EeB	EDOM-KLINESVILLE COMPLEX, 3 TO 8 PERCENT SLOPES	KLINESVILLE	well	Low
EeC	EDOM-KLINESVILLE COMPLEX, 8 TO 15 PERCENT SLOPES	EDOM	well	Medium
EeC	EDOM-KLINESVILLE COMPLEX, 8 TO 15 PERCENT SLOPES	KLINESVILLE	well	Low
EeD	EDOM-KLINESVILLE COMPLEX, 15 TO 25 PERCENT SLOPES	EDOM	well	High
EeD	EDOM-KLINESVILLE COMPLEX, 15 TO 25 PERCENT SLOPES	KLINESVILLE	well	Medium
EfB	EDOM-WEIKERT COMPLEX, 3 TO 8 PERCENT SLOPES	EDOM	well	Medium
EfB	EDOM-WEIKERT COMPLEX, 3 TO 8 PERCENT SLOPES	WEIKERT	well	Low
EfC	EDOM-WEIKERT COMPLEX, 8 TO 15 PERCENT SLOPES	EDOM	well	Medium
EfC	EDOM-WEIKERT COMPLEX, 8 TO 15 PERCENT SLOPES	WEIKERT	well	Low
EfD	EDOM-WEIKERT COMPLEX, 15 TO 25 PERCENT SLOPES	EDOM	well	High
EfD	EDOM-WEIKERT COMPLEX, 15 TO 25 PERCENT SLOPES	WEIKERT	well	Medium
ElB	ELLIBER VERY CHERTY LOAM, 3 TO 8 PERCENT SLOPES	ELLIBER	well	Low
ElC	ELLIBER VERY CHERTY LOAM, 8 TO 15 PERCENT SLOPES	ELLIBER	well	Low
ElD	ELLIBER VERY CHERTY LOAM, 15 TO 25 PERCENT SLOPES	ELLIBER	well	Medium

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Elf	ELLIBER VERY CHERTY LOAM, 25 TO 60 PERCENT SLOPES	ELLIBER	well	Medium
ErB	ERNEST SILT LOAM, 2 TO 8 PERCENT SLOPES	ERNEST	moderately well	Medium
ErC	ERNEST SILT LOAM, 8 TO 15 PERCENT SLOPES	ERNEST	moderately well	Medium
Ev	EVENDALE CHERTY SILT LOAM	EVENDALE	somewhat poorly	Very high
G.P.	GRAVEL PIT	GRAVEL PIT		--- (1)
HaB	HAGERSTOWN SILT LOAM, 2 TO 8 PERCENT SLOPES	HAGERSTOWN	well	Medium
HcB	HAGERSTOWN SILTY CLAY LOAM, 3 TO 8 PERCENT SLOPES	HAGERSTOWN	well	Medium
HcC	HAGERSTOWN SILTY CLAY LOAM, 8 TO 15 PERCENT SLOPES	HAGERSTOWN	well	Medium
HcD	HAGERSTOWN SILTY CLAY LOAM, 15 TO 25 PERCENT SLOPES	HAGERSTOWN	well	High
HeB	HAGERSTOWN-ROCK OUTCROP COMPLEX, 0 TO 8 PERCENT SLOPES	HAGERSTOWN	well	Low
HeB	HAGERSTOWN-ROCK OUTCROP COMPLEX, 0 TO 8 PERCENT SLOPES	ROCK OUTCROP		---
HeD	HAGERSTOWN-ROCK OUTCROP COMPLEX, 8 TO 25 PERCENT SLOPES	HAGERSTOWN	well	Medium
HeD	HAGERSTOWN-ROCK OUTCROP COMPLEX, 8 TO 25 PERCENT SLOPES	ROCK OUTCROP		---
HhB	HAZLETON CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	HAZLETON	well	Low
HhC	HAZLETON CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	HAZLETON	well	Low
HhD	HAZLETON CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	HAZLETON	well	Medium
HSB	HAZLETON-DEKALB EXTREMELY STONY SANDY LOAMS, GENTLY SLOPING	HAZLETON	well	Low
HSB	HAZLETON-DEKALB EXTREMELY STONY SANDY LOAMS, GENTLY SLOPING	DEKALB	well	Very low
HSD	HAZLETON-DEKALB EXTREMELY STONY SANDY LOAMS, MODERATELY STEEP	HAZLETON	well	Medium
HSD	HAZLETON-DEKALB EXTREMELY STONY SANDY LOAMS, MODERATELY STEEP	DEKALB	well	Low
HTF	HAZLETON-DEKALB ASSOCIATION, STEEP	HAZLETON	well	Medium
HTF	HAZLETON-DEKALB ASSOCIATION, STEEP	DEKALB	well	Low

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Hv	HOLLY SILT LOAM	HOLLY	poorly	Very high
I.W.	INDUSTRIAL WASTE-SLAG DUMP	INDUSTRIAL WASTES-SLAG DUMP		--- (1)
K1B	KLINESVILLE SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES	KLINESVILLE	well	Low
K1C	KLINESVILLE SHALY SILT LOAM, 8 TO 15 PERCENT SLOPES	KLINESVILLE	well	Low
K1D	KLINESVILLE SHALY SILT LOAM, 15 TO 25 PERCENT SLOPES	KLINESVILLE	well	Medium
K1F	KLINESVILLE SHALY SILT LOAM, 25 TO 50 PERCENT SLOPES	KLINESVILLE	well	Medium
KrB	KREAMER CERTY SILT LOAM, 2 TO 8 PERCENT SLOPES	KREAMER	moderately well	Very high
KrC	KREAMER CERTY SILT LOAM, 8 TO 15 PERCENT SLOPES	KREAMER	moderately well	Very high
LaB	LAIDIG CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	LAIDIG	well	Medium
LaC	LAIDIG CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	LAIDIG	well	Medium
LaD	LAIDIG CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	LAIDIG	well	High
LcB	LAIDIG EXTREMELY STONY LOAM, 3 TO 8 PERCENT SLOPES	LAIDIG	well	Medium
LcD	LAIDIG EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES	LAIDIG	well	Medium
LDF	LAIDIG EXTREMELY STONY LOAM, STEEP	LAIDIG	well	High
LtB	LEETONIA EXTREMELY STONY LOAMY SAND, 0 TO 12 PERCENT SLOPES	LEETONIA	excessively	Low
Ma	MELVIN SILT LOAM	MELVIN	poorly	Very high
MeB	MERTZ CERTY SILT LOAM, 3 TO 8 PERCENT SLOPES	MERTZ	well	High
MeC	MERTZ CERTY SILT LOAM, 8 TO 15 PERCENT SLOPES	MERTZ	well	High
MeD	MERTZ CERTY SILT LOAM, 15 TO 25 PERCENT SLOPES	MERTZ	well	Very high
MnB	MILLHEIM SILT LOAM, 3 TO 8 PERCENT SLOPES	MILLHEIM	well	Medium

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MnC	MILLHEIM SILT LOAM, 8 TO 15 PERCENT SLOPES	MILLHEIM	well	Medium
MoA	MONONGAHELA SILT LOAM, 0 TO 3 PERCENT SLOPES	MONONGAHELA	moderately well	Low
MoB	MONONGAHELA SILT LOAM, 3 TO 8 PERCENT SLOPES	MONONGAHELA	moderately well	Medium
MrB	MORRISON GRAVELLY SANDY LOAM, 3 TO 8 PERCENT SLOPES	MORRISON	well	Low
MrC	MORRISON GRAVELLY SANDY LOAM, 8 TO 15 PERCENT SLOPES	MORRISON	well	Low
MrD	MORRISON GRAVELLY SANDY LOAM, 15 TO 25 PERCENT SLOPES	MORRISON	well	Medium
MuB	MURRILL GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	MURRILL	well	Medium
MuC	MURRILL GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	MURRILL	well	Medium
Ne	NEWARK SILT LOAM	NEWARK	somewhat poorly	Very high
Ne	NEWARK SILT LOAM	MELVIN	poorly	Very high
No	NOLIN SILT LOAM	NOLIN	well	Low
OpB	OPEQUON SILTY CLAY LOAM, 3 TO 8 PERCENT SLOPES	OPEQUON	well	Medium
OpC	OPEQUON SILTY CLAY LOAM, 8 TO 15 PERCENT SLOPES	OPEQUON	well	Medium
OpD	OPEQUON SILTY CLAY LOAM, 15 TO 25 PERCENT SLOPES	OPEQUON	well	High
ORF	OPEQUON-HAGERSTOWN COMPLEX, STEEP	OPEQUON	well	High
ORF	OPEQUON-HAGERSTOWN COMPLEX, STEEP	HAGERSTOWN	well	High
Pe	PENLAW SILT LOAM	PENLAW	somewhat poorly	Very high
Ph	PHILO SILT LOAM	PHILO	moderately well	Low
Po	POPE SOILS	POPE	well	Very low
Pu	PURDY SILT LOAM	PURDY	poorly	Very high
QU.	QUARRY	QUARRY		--- (1)
Ru	RUBBLE LAND	RUBBLE LAND	excessively	Low
Ty	TYLER SILT LOAM	TYLER	somewhat poorly	Very high
VaC	VANDERLIP LOAMY SAND, 5 TO 15 PERCENT SLOPES	VANDERLIP	well	Very low

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MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
W	WATER	WATER		---
WaB	WATSON GRAVELLY SILT LOAM, 2 TO 8 PERCENT SLOPES	WATSON	moderately well	High
WaC	WATSON GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES	WATSON	moderately well	High
WeB	WEIKERT SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES	WEIKERT	well	Low
WeC	WEIKERT SHALY SILT LOAM, 8 TO 15 PERCENT SLOPES	WEIKERT	well	Low
WeD	WEIKERT SHALY SILT LOAM, 15 TO 25 PERCENT SLOPES	WEIKERT	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