

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

Venango County, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
AgA	ALLEGHENY SILT LOAM, 0 TO 3 PERCENT SLOPES	ALLEGHENY	well	Low
AgB	ALLEGHENY SILT LOAM, 3 TO 8 PERCENT SLOPES	ALLEGHENY	well	Medium
AhA	ALTON GRAVELLY LOAM, 0 TO 3 PERCENT SLOPES	ALTON	well	Very low
AhB	ALTON GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	ALTON	well	Low
AhC	ALTON GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	ALTON	well	Low
AhD	ALTON GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES	ALTON	well	Medium
AhF	ALTON GRAVELLY LOAM, 25 TO 80 PERCENT SLOPES	ALTON	well	Medium
AlA	ALVIRA SILT LOAM, 0 TO 3 PERCENT SLOPES	ALVIRA	somewhat poorly	Very high
AlB	ALVIRA SILT LOAM, 3 TO 8 PERCENT SLOPES	ALVIRA	somewhat poorly	Very high
AlC	ALVIRA SILT LOAM, 8 TO 15 PERCENT SLOPES	ALVIRA	somewhat poorly	Very high
ArB	ALVIRA AND RAVENNA VERY STONY SILT LOAMS, 0 TO 8 PERCENT SLOPES	ALVIRA	somewhat poorly	Very high
ArB	ALVIRA AND RAVENNA VERY STONY SILT LOAMS, 0 TO 8 PERCENT SLOPES	RAVENNA	somewhat poorly	Very high
As	ARMAGH SILT LOAM	ARMAGH	poorly	Very high
At	ATKINS SILT LOAM	ATKINS	poorly	Very high
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
Bt	BRINKERTON AND FRENCHTOWN VERY STONY SILT LOAMS	BRINKERTON	poorly	Very high
Bt	BRINKERTON AND FRENCHTOWN VERY STONY SILT LOAMS	FRENCHTOWN	poorly	Very high
CdB	CANFIELD GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES	CANFIELD	moderately well	High
CdC	CANFIELD GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES	CANFIELD	moderately well	High
CeB	CANFIELD VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	CANFIELD	moderately well	High

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CeD	CANFIELD VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	CANFIELD	moderately well	High
ClA	CAVODE SILT LOAM, 0 TO 3 PERCENT SLOPES	CAVODE	somewhat poorly	Very high
ClB	CAVODE SILT LOAM, 3 TO 8 PERCENT SLOPES	CAVODE	somewhat poorly	Very high
ClC	CAVODE SILT LOAM, 8 TO 15 PERCENT SLOPES	CAVODE	somewhat poorly	Very high
CoA	COOKPORT LOAM, 0 TO 3 PERCENT SLOPES	COOKPORT	moderately well	Medium
CoB	COOKPORT LOAM, 3 TO 8 PERCENT SLOPES	COOKPORT	moderately well	High
CoC	COOKPORT LOAM, 8 TO 15 PERCENT SLOPES	COOKPORT	moderately well	High
CpB	COOKPORT VERY STONY LOAM, 0 TO 8 PERCENT SLOPES	COOKPORT	moderately well	Medium
CpC	COOKPORT VERY STONY LOAM, 8 TO 15 PERCENT SLOPES	COOKPORT	moderately well	High
ErB	ERNEST SILT LOAM, 3 TO 8 PERCENT SLOPES	ERNEST	moderately well	Medium
EsB	ERNEST VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	ERNEST	moderately well	Low
EsC	ERNEST VERY STONY SILT LOAM, 8 TO 15 PERCENT SLOPES	ERNEST	moderately well	Medium
FeA	FRENCHTOWN SILT LOAM, 0 TO 3 PERCENT SLOPES	FRENCHTOWN	poorly	Very high
FeB	FRENCHTOWN SILT LOAM, 3 TO 8 PERCENT SLOPES	FRENCHTOWN	poorly	Very high
GlB	GILPIN SILT LOAM, 3 TO 8 PERCENT SLOPES	GILPIN	well	Medium
GlC	GILPIN SILT LOAM, 8 TO 15 PERCENT SLOPES	GILPIN	well	Medium
GlD	GILPIN SILT LOAM, 15 TO 25 PERCENT SLOPES	GILPIN	well	High
GPQ	GRAVEL PITS, QUARRIES, AND SAND MINES	GRAVEL PITS		---
HaA	HANOVER SILT LOAM, 0 TO 3 PERCENT SLOPES	HANOVER	moderately well	Medium
HaB	HANOVER SILT LOAM, 3 TO 8 PERCENT SLOPES	HANOVER	moderately well	High
HaC	HANOVER SILT LOAM, 8 TO 15 PERCENT SLOPES	HANOVER	moderately well	High
HaD	HANOVER SILT LOAM, 15 TO 25 PERCENT SLOPES	HANOVER	moderately well	High
HdB	HANOVER VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	HANOVER	moderately well	Medium
HdD	HANOVER VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	HANOVER	moderately well	High

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HdE	HANOVER VERY STONY SILT LOAM, 25 TO 45 PERCENT SLOPES	HANOVER	moderately well	High
HeB	HAZLETON CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	HAZLETON	well	Low
HeC	HAZLETON CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	HAZLETON	well	Low
HeD	HAZLETON CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	HAZLETON	well	Medium
HlB	HAZLETON VERY STONY LOAM, 0 TO 8 PERCENT SLOPES	HAZLETON	well	Very low
HnD	HAZLETON AND GILPIN VERY STONY SOILS, 8 TO 25 PERCENT SLOPES	HAZLETON	well	Low
HnD	HAZLETON AND GILPIN VERY STONY SOILS, 8 TO 25 PERCENT SLOPES	GILPIN	well	Medium
HnF	HAZLETON AND GILPIN VERY STONY SOILS, 25 TO 70 PERCENT SLOPES	HAZLETON	well	Medium
HnF	HAZLETON AND GILPIN VERY STONY SOILS, 25 TO 70 PERCENT SLOPES	GILPIN	well	High
HnF	HAZLETON AND GILPIN VERY STONY SOILS, 25 TO 70 PERCENT SLOPES	ERNEST	moderately 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
Ph	PHILO SILT LOAM	PHILO	moderately well	Low
Po	POPE LOAM	POPE	well	Low
RaA	RAVENNA SILT LOAM, 0 TO 3 PERCENT SLOPES	RAVENNA	somewhat poorly	Very high
RaB	RAVENNA SILT LOAM, 3 TO 8 PERCENT SLOPES	RAVENNA	somewhat poorly	Very high
RaC	RAVENNA SILT LOAM, 8 TO 15 PERCENT SLOPES	RAVENNA	somewhat poorly	Very high
Re	REXFORD SILT LOAM	REXFORD	poorly	Very high
Sm	STRIP MINES	STRIP MINES		---
Ty	TYLER SILT LOAM	TYLER	somewhat poorly	Very high
Um	URBAN LAND-MONONGAHELA COMPLEX	URBAN LAND		---
Um	URBAN LAND-MONONGAHELA COMPLEX	MONONGAHELA	moderately well	Very high
WhB	WHARTON SILT LOAM, 3 TO 8 PERCENT SLOPES	WHARTON	moderately well	High

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WhC	WHARTON SILT LOAM, 8 TO 15 PERCENT SLOPES	WHARTON	moderately well	High
WoB	WOOSTER GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES	WOOSTER	well	Medium
WoC	WOOSTER GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES	WOOSTER	well	Medium
WoD	WOOSTER GRAVELLY SILT LOAM, 15 TO 25 PERCENT SLOPES	WOOSTER	well	High
WsD	WOOSTER VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	WOOSTER	well	High
WsE	WOOSTER VERY STONY SILT LOAM, 25 TO 45 PERCENT SLOPES	WOOSTER	well	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