

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

Warren and Forest Counties, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
AaA	Alvira silt loam, 0 to 3 percent slopes	ALVIRA	somewhat poorly	Very high
AaB	Alvira silt loam, 3 to 8 percent slopes	ALVIRA	somewhat poorly	Very high
AaC	Alvira silt loam, 8 to 15 percent slopes	ALVIRA	somewhat poorly	Very high
AbC	Alvira very stony silt loam, 0 to 15 percent slopes	ALVIRA	somewhat poorly	Very high
AgB	Armagh silt loam, 0 to 8 percent slopes	ARMAGH	poorly	Very high
AhB	Armagh very stony silt loam, 0 to 8 percent slopes	ARMAGH	poorly	Very high
At	Atkins silty clay loam	ATKINS	poorly	Very high
BcB	Braceville gravelly silt loam, 0 to 8 percent slopes	BRACEVILLE	moderately well	Medium
BkB	Brinkerton silt loam, 0 to 8 percent slopes	BRINKERTON	poorly	Very high
BnB	Brinkerton very stony silt loam, 0 to 8 percent slopes	BRINKERTON	poorly	Very high
BuD	Buchanan silt loam, 15 to 25 percent slopes	BUCHANAN	moderately well	High
Ca	Canadice silt loam	CANADICE	poorly	Very high
CaC	Carrollton channery silt loam, 8 to 15 percent slopes	CARROLLTON	well	High
CaD	Carrollton channery silt loam, 15 to 25 percent slopes	CARROLLTON	well	High
CdB	Cavode silt loam, 0 to 8 percent slopes	CAVODE	somewhat poorly	Very high
CdC	Cavode silt loam, 8 to 15 percent slopes	CAVODE	somewhat poorly	Very high
CdD	Cavode silt loam, 15 to 25 percent slopes	CAVODE	somewhat poorly	Very high
CeC	Cavode very stony silt loam, 0 to 25 percent slopes	CAVODE	somewhat poorly	Very high
ChA	Chenango gravelly silt loam, 0 to 3 percent slopes	CHENANGO	well	Very low
ChB	Chenango gravelly silt loam, 3 to 8 percent slopes	CHENANGO	well	Low
ChC	Chenango gravelly silt loam, 8 to 15 percent slopes	CHENANGO	well	Low
ChD	Chenango gravelly silt loam, 15 to 25 percent slopes	CHENANGO	well	Medium

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CpB	Chippewa silt loam, 0 to 8 percent slopes	CHIPPEWA	very poorly	Very high
CtA	Cookport silt loam, 0 to 3 percent slopes	COOKPORT	moderately well	Medium
CtB	Cookport silt loam, 3 to 8 percent slopes	COOKPORT	moderately well	High
CtC	Cookport silt loam, 8 to 15 percent slopes	COOKPORT	moderately well	High
CvC	Cookport very stony silt loam, 0 to 15 percent slopes	COOKPORT	moderately well	High
DAM	Dams	DAMS		--- (1)
EkC	Elko silt loam, 8 to 15 percent slopes	ELKO	moderately well	Very high
EsB	Ernest silt loam, 3 to 8 percent slopes	ERNEST	moderately well	Medium
EsC	Ernest silt loam, 8 to 15 percent slopes	ERNEST	moderately well	Medium
EvD	Ernest very stony silt loam, 0 to 25 percent slopes	ERNEST	moderately well	Medium
GnB	Gilpin channery silt loam, 3 to 8 percent slopes	GILPIN	well	Medium
GnC	Gilpin channery silt loam, 8 to 15 percent slopes	GILPIN	well	Medium
GnD	Gilpin channery silt loam, 15 to 25 percent slopes	GILPIN	well	High
GpF	Gilpin soils, 25 to 60 percent slopes	GILPIN	well	High
GsC	Gilpin very stony silt loam, 8 to 15 percent slopes	GILPIN	well	Medium
HnB	Hanover silt loam, 3 to 8 percent slopes	HANOVER	moderately well	High
HnC	Hanover silt loam, 8 to 15 percent slopes	HANOVER	moderately well	High
HnD	Hanover silt loam, 15 to 25 percent slopes	HANOVER	moderately well	High
HoF	Hanover soils, steep	HANOVER	moderately well	High
HsD	Hanover very stony silt loam, 0 to 25 percent slopes	HANOVER	moderately well	High
HtA	Hazleton channery sandy loam, 0 to 3 percent slopes	HAZLETON	well	Very low
HtB	Hazleton channery sandy loam, 3 to 8 percent slopes	HAZLETON	well	Low

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HtC	Hazleton channery sandy loam, 8 to 15 percent slopes	HAZLETON	well	Low
HtD	Hazleton channery sandy loam, 15 to 25 percent slopes	HAZLETON	well	Medium
HvB	Hazleton very stony sandy loam, 0 to 8 percent slopes	HAZLETON	well	Very low
HvD	Hazleton very stony sandy loam, 8 to 25 percent slopes	HAZLETON	well	Low
HvF	Hazleton very stony sandy loam, 25 to 80 percent slopes	HAZLETON	well	Medium
IvB	Ivory silt loam, 3 to 8 percent slopes	IVORY	somewhat poorly	Very high
LdB	Lordstown channery silt loam, 3 to 8 percent slopes	LORDSTOWN	well	Medium
LdC	Lordstown channery silt loam, 8 to 15 percent slopes	LORDSTOWN	well	Medium
LdD	Lordstown channery silt loam, 15 to 25 percent slopes	LORDSTOWN	well	High
LtF	Lordstown soils, 25 to 70 percent slopes	LORDSTOWN	well	High
MaA	Mardin gravelly silt loam, 0 to 3 percent slopes	MARDIN	moderately well	Medium
MaB	Mardin gravelly silt loam, 3 to 8 percent slopes	MARDIN	moderately well	High
MaC	Mardin gravelly silt loam, 8 to 15 percent slopes	MARDIN	moderately well	High
MaD	Mardin gravelly silt loam, 15 to 25 percent slopes	MARDIN	moderately well	High
MdD	Mardin very stony silt loam, 0 to 25 percent slopes	MARDIN	moderately well	High
Mm	Medihemists and Medisaprists, ponded	MEDIHEMISTS	very poorly	Very low
Mm	Medihemists and Medisaprists, ponded	MEDISAPRISTS	very poorly	Very low
OnD	Onoville silt loam, 15 to 25 percent slopes, extremely bouldery	ONOVILLE	moderately well	High
Ph	Philo silt loam	PHILO	moderately well	Low
Pn	Pits, gravel	PITS	somewhat excessively	---
Po	Pope loam	POPE	well	Low
ReA	Rexford loam, 0 to 8 percent slopes	REXFORD	somewhat poorly	Very high

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Sc	Scio silt loam	SCIO	moderately well	Low
ShC	Shelmadine silt loam, 3 to 15 percent slopes	SHELMADINE	poorly	Very high
SvC	Shelmadine very stony silt loam, 0 to 15 percent slopes	SHELMADINE	poorly	Very high
Ud	Udorthents, smooth	UDORTHENTS	moderately well	---
UnA	Unadilla silt loam, 0 to 3 percent slopes	UNADILLA	well	Low
VeA	Venango silt loam, 0 to 3 percent slopes	VENANGO	somewhat poorly	Very high
VeB	Venango silt loam, 3 to 8 percent slopes	VENANGO	somewhat poorly	Very high
VeC	Venango silt loam, 8 to 15 percent slopes	VENANGO	somewhat poorly	Very high
VsC	Venango very stony silt loam, 8 to 15 percent slopes	VENANGO	somewhat poorly	Very high
W	Water	WATER		---
Wa	Wayland silt loam	WAYLAND	poorly	High
WhB	Wharton silt loam, 3 to 8 percent slopes	WHARTON	moderately well	High
WhC	Wharton silt loam, 8 to 15 percent slopes	WHARTON	moderately well	High
WhD	Wharton silt loam, 15 to 25 percent slopes	WHARTON	moderately well	Very 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

(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