

Report: Soil Surface Runoff
 Westmoreland County,
 Pennsylvania
 USDA-NRCS Soil Survey Database

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
AlB	Albrights silt loam, 0 to 8 percent slopes, very stony	Albrights	moderately well	Medium
AlD	Albrights silt loam, 8 to 25 percent slopes, very stony	Albrights	moderately well	Medium
At	Atkins silt loam	Atkins	poorly	Very high
BeB	Bethesda very channery silt loam, 0 to 8 percent slopes	Bethesda	well	High
BeD	Bethesda very channery silt loam, 8 to 25 percent slopes	Bethesda	well	High
BeF	Bethesda very channery silt loam, 25 to 75 percent slopes	Bethesda	well	Very high
BkA	Brinkerton silt loam, 0 to 3 percent slopes	Brinkerton	poorly	Very high
BkB	Brinkerton silt loam, 3 to 8 percent slopes	Brinkerton	poorly	Very high
BuB	Buchanan loam, 0 to 8 percent slopes, extremely stony	Buchanan	moderately well	Very high
BuD	Buchanan loam, 8 to 25 percent slopes, extremely stony	Buchanan	moderately well	Very high
CaB	Cavode silt loam, 3 to 8 percent slopes	Cavode	somewhat poorly	Very high
CaC	Cavode silt loam, 8 to 15 percent slopes	Cavode	somewhat poorly	Very high
CeB	Cavode silt loam, 0 to 8 percent slopes, very stony	Cavode	somewhat poorly	Very high
CeD	Cavode silt loam, 8 to 25 percent slopes, very stony	Cavode	somewhat poorly	Very high
ChA	Chavies fine sandy loam, 0 to 3 percent slopes	Chavies	well	Very low
ClB	Clarksburg silt loam, 3 to 8 percent slopes	Clarksburg	moderately well	Low
ClC	Clarksburg silt loam, 8 to 15 percent slopes	Clarksburg	moderately well	Medium
CoB	Cookport loam, 0 to 8 percent slopes, very stony	Cookport	moderately well	Medium
CoD	Cookport loam, 8 to 25 percent slopes, very stony	Cookport	moderately well	High
CrB	Craigsville-Buchanan complex, 0 to 8 percent slopes, extremely stony	Craigsville Buchanan	well moderately well	Negligible Very high
CuB	Culleoka channery silt loam, 3 to 8 percent slopes	Culleoka	well	Low

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CuC	Culleoka channery silt loam, 8 to 15 percent slopes	Culleoka	well	Low
CuD	Culleoka channery silt loam, 15 to 25 percent slopes	Culleoka	well	Low
DAM	Dam	Dam		---
DeB	Dekalb-Hazleton channery sandy loams, 0 to 8 percent slopes, extremely stony	Dekalb	somewhat excessively well	Negligible
		Hazleton	well	Very low
DeD	Dekalb-Hazleton channery sandy loams, 8 to 25 percent slopes, extremely stony	Dekalb	somewhat excessively well	Very low
		Hazleton	well	Low
DoB	Dormont silt loam, 3 to 8 percent slopes	Dormont	moderately well	Low
DoC	Dormont silt loam, 8 to 15 percent slopes	Dormont	moderately well	Medium
DoD	Dormont silt loam, 15 to 25 percent slopes	Dormont	moderately well	High
DoE	Dormont silt loam, 25 to 35 percent slopes	Dormont	moderately well	High
DrD	Dormont-Culleoka complex, 15 to 25 percent slopes	Dormont	moderately well	High
		Culleoka	well	Low
DrE	Dormont-Culleoka complex, 25 to 50 percent slopes	Dormont	moderately well	High
		Culleoka	well	Medium
ErB	Ernest silt loam, 3 to 8 percent slopes	Ernest	moderately well	Medium
ErC	Ernest silt loam, 8 to 15 percent slopes	Ernest	moderately well	Medium
FaB	Fairpoint very channery silt loam, 0 to 8 percent slopes	Fairpoint	well	High
FaC	Fairpoint very channery silt loam, 8 to 15 percent slopes	Fairpoint	well	High
FaD	Fairpoint very channery silt loam, 15 to 25 percent slopes	Fairpoint	well	Very high
FaF	Fairpoint very channery silt loam, 25 to 75 percent slopes	Fairpoint	well	Very high
GcB	Gilpin channery silt loam, 3 to 8 percent slopes	Gilpin	well	Medium
GcC	Gilpin channery silt loam, 8 to 15 percent slopes	Gilpin	well	Medium
GcD	Gilpin channery silt loam, 15 to 25 percent slopes	Gilpin	well	High

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GoF	Gilpin-Rock outcrop complex, 45 to 100 percent slopes	Gilpin	well	High
		Rock outcrop		---
GuB	Gilpin-Upshur complex, 3 to 8 percent slopes	Gilpin	well	Medium
		Upshur	well	Very high
GuC	Gilpin-Upshur complex, 8 to 15 percent slopes	Gilpin	well	Medium
		Upshur	well	Very high
GuD	Gilpin-Upshur complex, 15 to 25 percent slopes	Gilpin	well	High
		Upshur Wharton	well moderately well	Very high Very high
GuF	Gilpin-Upshur complex, 25 to 75 percent slopes	Gilpin	well	High
		Upshur	well	Very high
GwB	Gilpin-Weikert channery silt loams, 3 to 8, percent slopes	Gilpin	well	Medium
		Weikert	well	Low
GwC	Gilpin-Weikert channery silt loams, 8 to 15 percent slopes	Gilpin	well	Medium
		Weikert	well	Low
GwD	Gilpin-Weikert channery silt loams, 15 to 25 percent slopes	Gilpin	well	High
		Weikert	well	Medium
GwF	Gilpin-Weikert channery silt loams, 25 to 60 percent slopes	Gilpin	well	High
		Weikert	well	Medium
GxA	Ginat silt loam, 0 to 1 percent slopes	Ginat	poorly	Very high
GyB	Guernsey silt loam, 3 to 8 percent slopes	Guernsey	moderately well	Very high
GyC	Guernsey silt loam, 8 to 15 percent slopes	Guernsey	moderately well	Very high
GyD	Guernsey silt loam, 15 to 25 percent slopes	Guernsey	moderately well	Very high
HcB	Hazleton-Clymer complex, 0 to 8 percent slopes, extremely stony	Hazleton	well	Very low
		Clymer	well	Low
HcD	Hazleton-Clymer complex, 8 to 25 percent slopes, extremely stony	Hazleton	well	Low
		Clymer	well	Medium
Ho	Holly silt loam	Holly	poorly	Very high

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ItB	Itmann channery loam, 0 to 8 percent slopes	Itmann	somewhat excessively	Low
ItD	Itmann channery loam, 8 to 25 percent slopes	Itmann	somewhat excessively	Low
IxF	Itmann channery loam, 25 to 70 percent slopes	Itmann	somewhat excessively	Medium
LaB	Laidig gravelly loam, 0 to 8 percent slopes, extremely stony	Laidig	well	Medium
LaD	Laidig gravelly loam, 8 to 25 percent slopes, extremely stony	Laidig	well	Medium
LaE	Laidig gravelly loam, 25 to 35 percent slopes, extremely stony	Laidig	well	High
LbF	Laidig-Hazleton complex, 35 to 80 percent slopes, bouldery	Laidig	well	High
		Hazleton	well	Medium
Ld	Land fill	Land fill	well	High
LeB	Leck kill channery silt loam, 3 to 8 percent slopes	Leck kill	well	Low
LeC	Leck kill channery silt loam, 8 to 15 percent slopes	Leck kill	well	Low
LkB	Leck kill channery silt loam, 0 to 8 percent slopes, extremely stony	Leck kill	well	Low
LkD	Leck kill channery silt loam, 8 to 25 percent slopes, extremely stony	Leck kill	well	Low
LlB	Library silt loam, 0 to 8 percent slopes	Library	somewhat poorly	Very high
LlC	Library silt loam, 8 to 15 percent slopes	Library	somewhat poorly	Very high
Ln	Lindside silt loam	Lindside	moderately well	Low
Lo	Lobdell silt loam	Lobdell	moderately well	Low
LwB	Lowell silty clay loam, 3 to 8 percent slopes	Lowell	well	High
LwC	Lowell silty clay loam, 8 to 15 percent slopes	Lowell	well	High
LwD	Lowell silty clay loam, 15 to 25 percent slopes	Lowell	well	Very high
LxF	Lowell-Culleoka complex, 25 to 80 percent, very rocky	Lowell	well	Very high
		Culleoka	well	Medium
MaF	Macove-Gilpin channery silt loams, 35 to 70 percent slopes, extremely stony	Macove	well	Medium

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MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
		Gilpin	well	High
MeB	Matewan channery loam, 3 to 8 percent slopes	Matewan	well	Very low
MeC	Matewan channery loam, 8 to 15 percent slopes	Matewan	well	Very low
MeD	Matewan channery loam, 15 to 25 percent slopes	Matewan	well	Low
MeF	Matewan channery loam, 25 to 50 percent slopes	Matewan	well	Low
		Dormont	moderately well	High
MkD	Meckesville channery silt loam, 8 to 25 percent slopes, extremely stony	Meckesville	well	Medium
MkF	Meckesville channery silt loam, 25 to 70 percent slopes, extremely stony	Meckesville	well	High
Mn	Melvin and Newark silt loams	Melvin Newark	poorly somewhat poorly	Very high Very high
MoA	Monongahela silt loam, 0 to 2 percent slopes	Monongahela	moderately well	Low
MoB	Monongahela silt loam, 2 to 6 percent slopes	Monongahela	moderately well	Low
MoC	Monongahela silt loam, 6 to 12 percent slopes	Monongahela	moderately well	Medium
NoB	Nolo loam, 0 to 8 percent slopes, very stony	Nolo	poorly	Very high
Pa	Palms muck	Palms	very poorly	Very high
Ph	Philo loam	Philo	moderately well	Low
Pu	Purdy silt loam, 0 to 2 percent slopes	Purdy	poorly	Very high
Qu	Quarries	Quarries		--- (1)
RgB	Rayne channery silt loam, 0 to 8 percent slopes, very stony	Rayne	well	Medium
RgD	Rayne channery silt loam, 8 to 25 percent slopes, very stony	Rayne	well	Medium
ScB	Sciotoville silt loam, 2 to 6 percent slopes	Sciotoville	moderately well	Very high
ScC	Sciotoville silt loam, 6 to 12 percent slopes	Sciotoville	moderately well	Very high
ShF	Shelocta-Gilpin channery silt loams, 25 to 75 percent slopes	Shelocta	well	High
		Gilpin	well	High

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SxF	Shelocta-Gilpin channery silt loams, 25 to 75 percent slopes, very stony	Shelocta	well	High
		Gilpin	well	Medium
ThA	Thorndale silt loam, 0 to 3 percent slopes	Thorndale	poorly	Very high
ThB	Thorndale silt loam, 3 to 8 percent slopes	Thorndale	poorly	Very high
TyA	Tyler silt loam, 0 to 2 percent slopes	Tyler	somewhat poorly	Very high
UaB	Udorthents, 0 to 8 percent slopes	Udorthents	well	High
UaD	Udorthents, 8 to 25 percent slopes	Udorthents	well	High
UaF	Udorthents, 25 to 75 percent slopes	Udorthents	well	Very high
UcB	Upshur silty clay loam, 3 to 8 percent slopes	Upshur	well	Very high
UcC	Upshur silty clay loam, 8 to 15 percent slopes	Upshur	well	Very high
UdA	Urban land, 0 to 3 percent slopes	Urban land		---
UdB	Urban land, 3 to 8 percent slopes	Urban land		---
UdC	Urban land, 8 to 15 percent slopes	Urban land		---
UeB	Urban land-Culleoka complex, 0 to 8 percent slopes	Urban land		---
		Culleoka	well	Very low
UeD	Urban land-Culleoka complex, 8 to 25 percent slopes	Urban land		---
		Culleoka	well	Low
UgB	Urban land-Gilpin complex, 0 to 8 percent slopes	Urban land		---
		Gilpin	well	Low
UgD	Urban land-Gilpin complex, 8 to 25 percent slopes	Urban land		---
		Gilpin	well	High
UhB	Urban land-Guernsey complex, 0 to 8 percent slopes	Urban land		---
		Guernsey	moderately well	Very high
UhD	Urban land-Guernsey complex, 8 to 25 percent slopes	Urban land		---
		Guernsey	moderately well	Very high
UmB	Urban land-Monongahela complex, 0 to 8 percent slopes	Urban land		---
		Monongahela	moderately well	Low
UuB	Urban land-Upshur complex, 0 to 8 percent slopes	Urban land		---
		Upshur	well	Very high

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UuD	Urban land-Upshur complex, 8 to 25 percent slopes	Urban land Upshur	well	--- Very high
UwB	Urban land-Wharton complex, 0 to 8 percent slopes	Urban land Wharton	moderately well	--- Medium
UwD	Urban land-Wharton complex, 8-25 percent slopes	Urban land Wharton	moderately well	--- High
VaB	Vandergrift silt loam, 3 to 8 percent slopes	Vandergrift	moderately well	Very high
VaC	Vandergrift silt loam, 8 to 15 percent slopes	Vandergrift	moderately well	Very high
VaD	Vandergrift silt loam, 15 to 25 percent slopes	Vandergrift	moderately well	Very high
W	Water	Water		---
WeA	Weinbach silt loam, 0 to 2 percent slopes	Weinbach	somewhat poorly	Very high
WrB	Wharton silt loam, 3 to 8 percent slopes	Wharton	moderately well	High
WrC	Wharton silt loam, 8 to 15 percent slopes	Wharton	moderately well	High
WrD	Wharton silt loam, 15 to 25 percent slopes	Wharton	moderately well	Very high
WsB	Wharton silt loam, 0 to 8 percent slopes, very stony	Wharton	moderately well	High
WsD	Wharton silt loam, 8 to 25 percent slopes, very stony	Wharton	moderately 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