

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

Somerset County, Pennsylvania				
MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
AbB	ALBRIGHTS SILT LOAM, 3 TO 8 PERCENT SLOPES	ALBRIGHTS	moderately well	High
AbC	ALBRIGHTS SILT LOAM, 8 TO 15 PERCENT SLOPES	ALBRIGHTS	moderately well	High
AgB	ALBRIGHTS VERY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	ALBRIGHTS	moderately well	High
AgD	ALBRIGHTS VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	ALBRIGHTS	moderately well	High
AhB	ALLEGHENY SILT LOAM, GRAVELLY SUBSTRATUM, 3 TO 8 PERCENT SLOPES	ALLEGHENY	well	Medium
AhC	ALLEGHENY SILT LOAM, GRAVELLY SUBSTRATUM, 8 TO 15 PERCENT SLOPES	ALLEGHENY	well	Medium
Ar	ARMAGH SILT LOAM	ARMAGH	poorly	Very high
AsB	ARMAGH VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	ARMAGH	poorly	Very high
At	ATKINS SILT LOAM	ATKINS	poorly	Very high
Ba	BASHER SILT LOAM	BASHER	moderately well	Low
BbB	BASHER-BIRDSBORO COMPLEX, 0 TO 8 PERCENT SLOPES	BASHER	moderately well	Low
BbB	BASHER-BIRDSBORO COMPLEX, 0 TO 8 PERCENT SLOPES	BIRDSBORO	well	Medium
BeB	BERKS CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	BERKS	well	Low (1)
BeC	BERKS CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	BERKS	well	Low (1)
BeD	BERKS CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	BERKS	well	Medium (1)
BkB	BERKS-WEIKERT CHANNERY SILT LOAMS, 3 TO 8 PERCENT SLOPES	BERKS	well	Low (1)
BkB	BERKS-WEIKERT CHANNERY SILT LOAMS, 3 TO 8 PERCENT SLOPES	WEIKERT	somewhat excessively	Low
BkC	BERKS-WEIKERT CHANNERY SILT LOAMS, 8 TO 15 PERCENT SLOPES	BERKS	well	Low (1)
BkC	BERKS-WEIKERT CHANNERY SILT LOAMS, 8 TO 15 PERCENT SLOPES	WEIKERT	somewhat excessively	Low
BkD	BERKS-WEIKERT CHANNERY SILT LOAMS, 15 TO 25 PERCENT SLOPES	BERKS	well	Medium (1)
BkD	BERKS-WEIKERT CHANNERY SILT LOAMS, 15 TO 25 PERCENT SLOPES	WEIKERT	somewhat excessively	Medium

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BkF	BERKS AND WEIKERT SOILS, 25 TO 70 PERCENT SLOPES	BERKS	well	Medium (1)
BkF	BERKS AND WEIKERT SOILS, 25 TO 70 PERCENT SLOPES	WEIKERT	somewhat excessively	Medium
Bm	BIRDSBORO SILT LOAM, RARELY FLOODED	BIRDSBORO	moderately well	Low
BnB	BLAIRTON CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	BLAIRTON	somewhat poorly	High (1)
BnC	BLAIRTON CHANNERY SILT LOAM, 8 TO 15 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
BtB	BRINKERTON VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	BRINKERTON	poorly	Very high
CaA	CAVODE SILT LOAM, 0 TO 3 PERCENT SLOPES	CAVODE	somewhat poorly	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
CbB	CAVODE VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	CAVODE	somewhat poorly	Very high
ChA	CHAVIES SILT LOAM, 0 TO 3 PERCENT SLOPES	CHAVIES	well	Very low
ChB	CHAVIES SILT LOAM, 3 TO 8 PERCENT SLOPES	CHAVIES	well	Low
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, 3 TO 8 PERCENT SLOPES	COOKPORT	moderately well	High
CpD	COOKPORT VERY STONY LOAM, 8 TO 25 PERCENT SLOPES	COOKPORT	moderately well	High
DAM	Dams and impoundment structures	Dam		---
DhB	DEKALB-HAZLETON CHANNERY SANDY LOAMS, 3 TO 8 PERCENT SLOPES	DEKALB	well	Very low
DhB	DEKALB-HAZLETON CHANNERY SANDY LOAMS, 3 TO 8 PERCENT SLOPES	HAZLETON	well	Low
DkB	DEKALB-HAZLETON VERY STONY SANDY LOAMS, 3 TO 8 PERCENT SLOPES	DEKALB	well	Very low
DkB	DEKALB-HAZLETON VERY STONY SANDY LOAMS, 3 TO 8 PERCENT SLOPES	HAZLETON	well	Low

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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
EsB	ERNEST VERY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	ERNEST	moderately well	Medium
EsD	ERNEST VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	ERNEST	moderately well	Medium
FV	FLUVAQUENTS	FLUVAQUENTS	somewhat poorly	Very high
HaB	HAZLETON CHANNERY SANDY LOAM, 3 TO 8 PERCENT SLOPES	HAZLETON	well	Low
HaC	HAZLETON CHANNERY SANDY LOAM, 8 TO 15 PERCENT SLOPES	HAZLETON	well	Low
HaD	HAZLETON CHANNERY SANDY LOAM, 15 TO 25 PERCENT SLOPES	HAZLETON	well	Medium
HbB	HAZLETON VERY STONY SANDY LOAM, 3 TO 8 PERCENT SLOPES	HAZLETON	well	Low
HbD	HAZLETON VERY STONY SANDY LOAM, 8 TO 25 PERCENT SLOPES	HAZLETON	well	Medium
HbF	HAZLETON VERY STONY SANDY LOAM, 25 TO 65 PERCENT SLOPES	HAZLETON	well	Medium
HzB	HAZLETON VERY BOULDERY SANDY LOAM, 0 TO 8 PERCENT SLOPES	HAZLETON	well	Very low
HzD	HAZLETON VERY BOULDERY SANDY LOAM, 8 TO 25 PERCENT SLOPES	HAZLETON	well	Medium
HzF	HAZLETON VERY BOULDERY SANDY LOAM, 25 TO 60 PERCENT SLOPES	HAZLETON	well	Medium
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
LeD	LECK KILL CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	LECK KILL	well	Medium
LkB	LECK KILL VERY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	LECK KILL	well	Low
LkD	LECK KILL VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	LECK KILL	well	Low
LmF	LECK KILL SOILS, 25 TO 70 PERCENT SLOPES	LECK KILL	well	Medium
McC	MECKESVILLE GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	MECKESVILLE	well	Medium

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MdD	MECKESVILLE GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	MECKESVILLE	well	High
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
MW	MISCELLANEOUS WATER	WATER		---
NoA	NOLO LOAM, 0 TO 3 PERCENT SLOPES	NOLO	poorly	Very high
NoB	NOLO LOAM, 3 TO 8 PERCENT SLOPES	NOLO	poorly	Very high
NsB	NOLO VERY STONY LOAM, 0 TO 8 PERCENT SLOPES	NOLO	poorly	Very high
Ph	PHILO SILT LOAM	PHILO	moderately well	Low
Po	POPE FINE SANDY LOAM	POPE	well	Very low
Pu	PURDY SILT LOAM	PURDY	poorly	High
Qu	QUARRIES	QUARRIES	excessively	---
RgB	RAYNE-GILPIN CHANNERY SILT LOAMS, 3 TO 8 PERCENT SLOPES	RAYNE	well	Medium
RgB	RAYNE-GILPIN CHANNERY SILT LOAMS, 3 TO 8 PERCENT SLOPES	GILPIN	well	Medium
RgC	RAYNE-GILPIN CHANNERY SILT LOAMS, 8 TO 15 PERCENT SLOPES	RAYNE	well	Medium
RgC	RAYNE-GILPIN CHANNERY SILT LOAMS, 8 TO 15 PERCENT SLOPES	GILPIN	well	Medium
RgD	RAYNE-GILPIN CHANNERY SILT LOAMS, 15 TO 25 PERCENT SLOPES	RAYNE	well	High
RgD	RAYNE-GILPIN CHANNERY SILT LOAMS, 15 TO 25 PERCENT SLOPES	GILPIN	well	High
RgF	RAYNE-GILPIN CHANNERY SILT LOAMS, 25 TO 65 PERCENT SLOPES	RAYNE	well	High
RgF	RAYNE-GILPIN CHANNERY SILT LOAMS, 25 TO 65 PERCENT SLOPES	GILPIN	well	High
RpB	RAYNE-GILPIN VERY STONY SILT LOAMS, 3 TO 8 PERCENT SLOPES	RAYNE	well	Medium
RpB	RAYNE-GILPIN VERY STONY SILT LOAMS, 3 TO 8 PERCENT SLOPES	GILPIN	well	Medium
RpD	RAYNE-GILPIN VERY STONY SILT LOAMS, 8 TO 25 PERCENT SLOPES	RAYNE	well	Medium

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RpD	RAYNE-GILPIN VERY STONY SILT LOAMS, 8 TO 25 PERCENT SLOPES	GILPIN	well	Medium
Ty	TYLER SILT LOAM	TYLER	somewhat poorly	Very high
UDA	UDORTHENTS, MINE SPOIL, 0 TO 8 PERCENT SLOPES	UDORTHENTS	moderately well	Very low
UDD	UDORTHENTS, MINE SPOIL, 8 TO 25 PERCENT SLOPES	UDORTHENTS	moderately well	Low
UDF	UDORTHENTS, MINE SPOIL, 25 TO 70 PERCENT SLOPES	UDORTHENTS	moderately well	Medium
UOA	UDORTHENTS, SMOOTHED	UDORTHENTS	moderately well	Medium
W	WATER	WATER		---
WhB	WHARTON SILT LOAM, 3 TO 8 PERCENT SLOPES	WHARTON	moderately well	High (1)
WhC	WHARTON SILT LOAM, 8 TO 15 PERCENT SLOPES	WHARTON	moderately well	High (1)
WhD	WHARTON SILT LOAM, 15 TO 25 PERCENT SLOPES	WHARTON	moderately well	Very high (1)
WvB	WHARTON VERY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	WHARTON	moderately well	High (1)
WvD	WHARTON VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	WHARTON	moderately well	High (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