

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

Beaver and Lawrence Counties, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
AgB	ALLEGHENY SILT LOAM, 3 TO 8 PERCENT SLOPES	ALLEGHENY	well	Medium
AgC	ALLEGHENY SILT LOAM, 8 TO 15 PERCENT SLOPES	ALLEGHENY	well	Medium
At	ATKINS SILT LOAM	ATKINS	poorly	Very high
BcB	BRACEVILLE LOAM, 3 TO 8 PERCENT SLOPES	BRACEVILLE	moderately well	Medium
BcC	BRACEVILLE LOAM, 8 TO 15 PERCENT SLOPES	BRACEVILLE	moderately well	Medium
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
BkC	BRINKERTON SILT LOAM, 8 TO 15 PERCENT SLOPES	BRINKERTON	poorly	Very high
Ca	CANADICE SILT LOAM	CANADICE	poorly	Very high
CdB	CANFIELD SILT LOAM, 3 TO 8 PERCENT SLOPES	CANFIELD	moderately well	High
CdC	CANFIELD SILT LOAM, 8 TO 15 PERCENT SLOPES	CANFIELD	moderately well	High
CdD	CANFIELD SILT LOAM, 15 TO 25 PERCENT SLOPES	CANFIELD	moderately well	High
CeA	CAVODE SILT LOAM, 0 TO 3 PERCENT SLOPES	CAVODE	somewhat poorly	Very high
CeB	CAVODE SILT LOAM, 3 TO 8 PERCENT SLOPES	CAVODE	somewhat poorly	Very high
CeC	CAVODE SILT LOAM, 8 TO 15 PERCENT SLOPES	CAVODE	somewhat poorly	Very high
CeD	CAVODE SILT LOAM, 15 TO 25 PERCENT SLOPES	CAVODE	somewhat poorly	Very high
Cg	CHAGRIN SILT LOAM	CHAGRIN	well	Low
ChB	CHILI SILT LOAM, 3 TO 8 PERCENT SLOPES	CHILI	well	Medium
ChC	CHILI SILT LOAM, 8 TO 15 PERCENT SLOPES	CHILI	well	Medium
CmB	CLYMER LOAM, 3 TO 8 PERCENT SLOPES	CLYMER	well	Medium
CmC	CLYMER LOAM, 8 TO 15 PERCENT SLOPES	CLYMER	well	Medium
CmD	CLYMER LOAM, 15 TO 25 PERCENT SLOPES	CLYMER	well	High
CoB	CONOTTON GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	CONOTTON	well	Low
CoC	CONOTTON GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	CONOTTON	well	Low

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CoD	CONOTTON GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES	CONOTTON	well	Medium
CoF	CONOTTON GRAVELLY LOAM, 25 TO 50 PERCENT SLOPES	CONOTTON	well	Medium
CuB	CULLEOKA SILT LOAM, 3 TO 8 PERCENT SLOPES	Culleoka	well	Low
CuC	CULLEOKA SILT LOAM, 8 TO 15 PERCENT SLOPES	Culleoka	well	Low
CuD	CULLEOKA SILT LOAM, 15 TO 25 PERCENT SLOPES	Culleoka	well	Low
Du	DUMPS	DUMPS		---
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
ErD	ERNEST SILT LOAM, 15 TO 25 PERCENT SLOPES	ERNEST	moderately well	High
EsD	ERNEST VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	ERNEST	moderately well	Medium
FnA	FRENCHTOWN SILT LOAM, 0 TO 3 PERCENT SLOPES	FRENCHTOWN	poorly	Very high
FnB	FRENCHTOWN SILT LOAM, 3 TO 8 PERCENT SLOPES	FRENCHTOWN	poorly	Very high
GnB	GILPIN SILT LOAM, 3 TO 8 PERCENT SLOPES	GILPIN	well	Medium
GnC	GILPIN SILT LOAM, 8 TO 15 PERCENT SLOPES	GILPIN	well	Medium
GnD	GILPIN SILT LOAM, 15 TO 25 PERCENT SLOPES	GILPIN	well	High
GpB	GILPIN-UPSHUR COMPLEX, 3 TO 8 PERCENT SLOPES	GILPIN	well	Medium
GpB	GILPIN-UPSHUR COMPLEX, 3 TO 8 PERCENT SLOPES	UPSHUR	well	Very high
GpC	GILPIN-UPSHUR COMPLEX, 8 TO 15 PERCENT SLOPES	GILPIN	well	Medium
GpC	GILPIN-UPSHUR COMPLEX, 8 TO 15 PERCENT SLOPES	UPSHUR	well	Very high
GpD	GILPIN-UPSHUR COMPLEX, 15 TO 25 PERCENT SLOPES	GILPIN	well	High
GpD	GILPIN-UPSHUR COMPLEX, 15 TO 25 PERCENT SLOPES	UPSHUR	well	Very high

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GpF	GILPIN-UPSHUR COMPLEX, 25 TO 60 PERCENT SLOPES	GILPIN	well	High
GpF	GILPIN-UPSHUR COMPLEX, 25 TO 60 PERCENT SLOPES	UPSHUR	well	Very high
GsB	GILPIN-WEIKERT COMPLEX, 3 TO 8 PERCENT SLOPES	GILPIN	well	Medium
GsB	GILPIN-WEIKERT COMPLEX, 3 TO 8 PERCENT SLOPES	WEIKERT	somewhat excessively	Low
GsC	GILPIN-WEIKERT COMPLEX, 8 TO 15 PERCENT SLOPES	GILPIN	well	Medium
GsC	GILPIN-WEIKERT COMPLEX, 8 TO 15 PERCENT SLOPES	WEIKERT	somewhat excessively	Low
GsD	GILPIN-WEIKERT COMPLEX, 15 TO 25 PERCENT SLOPES	GILPIN	well	High
GsD	GILPIN-WEIKERT COMPLEX, 15 TO 25 PERCENT SLOPES	WEIKERT	somewhat excessively	Medium
GsF	GILPIN-WEIKERT COMPLEX, 25 TO 70 PERCENT SLOPES	GILPIN	well	High
GsF	GILPIN-WEIKERT COMPLEX, 25 TO 70 PERCENT SLOPES	WEIKERT	somewhat excessively	Medium
GtB	GUERNSEY SILT LOAM, 3 TO 8 PERCENT SLOPES	Guernsey	moderately well	Very high
GtC	GUERNSEY SILT LOAM, 8 TO 15 PERCENT SLOPES	Guernsey	moderately well	Very high
GvB	GUERNSEY-VANDERGRIFT COMPLEX, 3 TO 8 PERCENT SLOPES	GUERNSEY	moderately well	Medium
GvB	GUERNSEY-VANDERGRIFT COMPLEX, 3 TO 8 PERCENT SLOPES	VANDERGRIFT	somewhat poorly	Very high
GvC	GUERNSEY-VANDERGRIFT COMPLEX, 8 TO 15 PERCENT SLOPES	GUERNSEY	moderately well	Medium
GvC	GUERNSEY-VANDERGRIFT COMPLEX, 8 TO 15 PERCENT SLOPES	VANDERGRIFT	somewhat poorly	Very high
GvD	GUERNSEY-VANDERGRIFT COMPLEX, 15 TO 25 PERCENT SLOPES	GUERNSEY	moderately well	Medium
GvD	GUERNSEY-VANDERGRIFT COMPLEX, 15 TO 25 PERCENT SLOPES	VANDERGRIFT	somewhat poorly	Very high
HaB	HAZLETON CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	HAZLETON	well	Low
HaC	HAZLETON CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	HAZLETON	well	Low

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HaD	HAZLETON CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	HAZLETON	well	Medium
Ho	HOLLY SILT LOAM	HOLLY	poorly	Very high
Lb	LOBDELL SILT LOAM	LOBDELL	moderately well	Low
LoB	LOUDONVILLE GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES	LOUDONVILLE	well	Medium
LoC	LOUDONVILLE GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES	LOUDONVILLE	well	Medium
LoD	LOUDONVILLE GRAVELLY SILT LOAM, 15 TO 25 PERCENT SLOPES	LOUDONVILLE	well	High
LoF	LOUDONVILLE GRAVELLY SILT LOAM, 25 TO 50 PERCENT SLOPES	LOUDONVILLE	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
MoC	MONONGAHELA SILT LOAM, 8 TO 15 PERCENT SLOPES	MONONGAHELA	moderately well	Medium
Ph	PHILO SILT LOAM	PHILO	moderately well	Low
Pn	PITS	PITS		---
Po	POPE SILT LOAM	POPE	well	Low
Pu	PURDY SILT LOAM	Purdy	poorly	Very high
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
ReB	REXFORD SILT LOAM, 3 TO 8 PERCENT SLOPES	REXFORD	poorly	Very high
Sn	SLOAN SILT LOAM	SLOAN	very poorly	Very high
TsB	TILSIT SILT LOAM, 3 TO 8 PERCENT SLOPES	TILSIT	moderately well	High
TsC	TILSIT SILT LOAM, 8 TO 15 PERCENT SLOPES	TILSIT	moderately well	High
TyA	TYLER SILT LOAM, 0 TO 3 PERCENT SLOPES	TYLER	somewhat poorly	Very high
TyB	TYLER SILT LOAM, 3 TO 8 PERCENT SLOPES	TYLER	somewhat poorly	Very high
UAB	UDORTHENTS, STRIP MINE, GENTLY SLOPING	UDORTHENTS		Very low
UAD	UDORTHENTS, STRIP MINE, MODERATELY STEEP	UDORTHENTS		Low

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UAE	UDORTHENTS, STRIP MINE, STEEP	UDORTHENTS		Medium
Ub	URBAN LAND-ARENTS COMPLEX	URBAN LAND		---
Ub	URBAN LAND-ARENTS COMPLEX	ARENTS	moderately well	---
UcB	URBAN LAND-CANFIELD COMPLEX, 0 TO 8 PERCENT SLOPES	URBAN LAND		---
UcB	URBAN LAND-CANFIELD COMPLEX, 0 TO 8 PERCENT SLOPES	CANFIELD	moderately well	Medium
UcD	URBAN LAND-CANFIELD COMPLEX, 8 TO 25 PERCENT SLOPES	URBAN LAND		---
UcD	URBAN LAND-CANFIELD COMPLEX, 8 TO 25 PERCENT SLOPES	CANFIELD	moderately well	High
UfB	URBAN LAND-CONOTTON COMPLEX, 0 TO 8 PERCENT SLOPES	URBAN LAND		---
UfB	URBAN LAND-CONOTTON COMPLEX, 0 TO 8 PERCENT SLOPES	CONOTTON	well	Very low
UfD	URBAN LAND-CONOTTON COMPLEX, 8 TO 25 PERCENT SLOPES	URBAN LAND		---
UfD	URBAN LAND-CONOTTON COMPLEX, 8 TO 25 PERCENT SLOPES	CONOTTON	well	Low
UgB	URBAN LAND-GILPIN COMPLEX, 0 TO 8 PERCENT SLOPES	URBAN LAND		---
UgB	URBAN LAND-GILPIN COMPLEX, 0 TO 8 PERCENT SLOPES	GILPIN	well	Low
UgD	URBAN LAND-GILPIN COMPLEX, 8 TO 25 PERCENT SLOPES	URBAN LAND		---
UgD	URBAN LAND-GILPIN COMPLEX, 8 TO 25 PERCENT SLOPES	GILPIN	well	Medium
UwB	URBAN LAND-WHARTON COMPLEX, 0 TO 8 PERCENT SLOPES	URBAN LAND		---
UwB	URBAN LAND-WHARTON COMPLEX, 0 TO 8 PERCENT SLOPES	WHARTON	moderately well	High (1)
UwD	URBAN LAND-WHARTON COMPLEX, 8 TO 25 PERCENT SLOPES	URBAN LAND		---
UwD	URBAN LAND-WHARTON COMPLEX, 8 TO 25 PERCENT SLOPES	WHARTON	moderately well	High (1)
VgD	VANDERGRIFT-GILPIN COMPLEX, 15 TO 35 PERCENT SLOPES	VANDERGRIFT	moderately well	Very high
VgD	VANDERGRIFT-GILPIN COMPLEX, 15 TO 35 PERCENT SLOPES	GILPIN	well	High

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W	WATER	WATER		---
WeF	WEIKERT-ROCK OUTCROP COMPLEX, 25 TO 80 PERCENT SLOPES	WEIKERT	somewhat excessively	Medium
WeF	WEIKERT-ROCK OUTCROP COMPLEX, 25 TO 80 PERCENT SLOPES	ROCK OUTCROP		---
WhA	WHARTON SILT LOAM, 0 TO 3 PERCENT SLOPES	WHARTON	moderately well	Medium
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
WnD	WHARTON-GILPIN SILT LOAMS, 15 TO 25 PERCENT SLOPES	WHARTON	moderately well	Very high
WnD	WHARTON-GILPIN SILT LOAMS, 15 TO 25 PERCENT SLOPES	GILPIN	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

(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