

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

Armstrong County, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
AlB	ALLEGHENY SILT LOAM, 3 TO 8 PERCENT SLOPES	ALLEGHENY	well	Medium
AlC	ALLEGHENY SILT LOAM, 8 TO 15 PERCENT SLOPES	ALLEGHENY	well	Medium
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
CaD	CAVODE SILT LOAM, 15 TO 25 PERCENT SLOPES	CAVODE	somewhat poorly	Very high
EnA	ERNEST SILT LOAM, 0 TO 3 PERCENT SLOPES	ERNEST	moderately well	Low
EnA	ERNEST SILT LOAM, 0 TO 3 PERCENT SLOPES	BRINKERTON	poorly	Very high
EnB	ERNEST SILT LOAM, 3 TO 8 PERCENT SLOPES	Ernest	moderately well	Medium
EnC	ERNEST SILT LOAM, 8 TO 15 PERCENT SLOPES	Ernest	moderately well	Medium
EnD	ERNEST SILT LOAM, 15 TO 25 PERCENT SLOPES	ERNEST	moderately well	High
ErB	ERNEST VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	ERNEST	moderately well	Low
ErB	ERNEST VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	BRINKERTON	poorly	Very high
ErD	ERNEST VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	ERNEST	moderately well	Medium
GwB	GILPIN-WEIKERT COMPLEX, 3 TO 8 PERCENT SLOPES	GILPIN	well	Medium
GwB	GILPIN-WEIKERT COMPLEX, 3 TO 8 PERCENT SLOPES	WEIKERT	somewhat excessively	Low
GwC	GILPIN-WEIKERT COMPLEX, 8 TO 15 PERCENT SLOPES	GILPIN	well	Medium
GwC	GILPIN-WEIKERT COMPLEX, 8 TO 15 PERCENT SLOPES	WEIKERT	somewhat excessively	Low
GwD	GILPIN-WEIKERT COMPLEX, 15 TO 25 PERCENT SLOPES	GILPIN	well	High
GwD	GILPIN-WEIKERT COMPLEX, 15 TO 25 PERCENT SLOPES	WEIKERT	somewhat excessively	Medium
HaB	HAZLETON CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	HAZLETON	well	Low
HaC	HAZLETON CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	HAZLETON	well	Low
HaD	HAZLETON CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	HAZLETON	well	Medium

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H1D	HAZLETON VERY STONY LOAM, 8 TO 25 PERCENT SLOPES	HAZLETON	well	Low
Me	MELVIN SILTY CLAY LOAM	MELVIN	poorly	Very high
Ms	MINE DUMPS	MINE DUMPS	somewhat excessively	---
Pm	POPE FINE SANDY LOAM	POPE	well	Very low
Po	POPE LOAM	POPE	well	Low
RaA	RAINSBORO SILT LOAM, 0 TO 3 PERCENT SLOPES	RAINSBORO	moderately well	Low
RaB	RAINSBORO SILT LOAM, 3 TO 8 PERCENT SLOPES	RAINSBORO	moderately well	Medium
RaC	RAINSBORO SILT LOAM, 8 TO 15 PERCENT SLOPES	RAINSBORO	moderately well	Medium
RnB	RAYNE SILT LOAM, 3 TO 8 PERCENT SLOPES	RAYNE	well	Medium
RnC	RAYNE SILT LOAM, 8 TO 15 PERCENT SLOPES	RAYNE	well	Medium
RpD	RAYNE-GILPIN VERY STONY SILT LOAMS, 8 TO 25 PERCENT SLOPES	RAYNE	well	Medium
RpD	RAYNE-GILPIN VERY STONY SILT LOAMS, 8 TO 25 PERCENT SLOPES	GILPIN	well	Medium
Se	STEFF LOAM	STEFF	moderately well	Low
Sf	STEFF LOAM, HIGH BOTTOM	STEFF	moderately well	Low
Sm	STRIP MINES	STRIP MINES	somewhat excessively	---
UgB	UPSHUR-GILPIN SILT LOAMS, 3 TO 8 PERCENT SLOPES	UPSHUR	well	Very high
UgB	UPSHUR-GILPIN SILT LOAMS, 3 TO 8 PERCENT SLOPES	GILPIN	well	Medium
UgC	UPSHUR-GILPIN SILT LOAMS, 8 TO 15 PERCENT SLOPES	GILPIN	well	Medium
UgC	UPSHUR-GILPIN SILT LOAMS, 8 TO 15 PERCENT SLOPES	UPSHUR	well	Very high
UgD	UPSHUR-GILPIN SILT LOAMS, 15 TO 25 PERCENT SLOPES	GILPIN	well	High
UgD	UPSHUR-GILPIN SILT LOAMS, 15 TO 25 PERCENT SLOPES	UPSHUR	well	Very high
UgE	UPSHUR-GILPIN SILT LOAMS, 25 TO 35 PERCENT SLOPES	GILPIN	well	High

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UgE	UPSHUR-GILPIN SILT LOAMS, 25 TO 35 PERCENT SLOPES	UPSHUR	well	Very high
Ur	URBAN LAND	URBAN LAND	excessively	---
W	WATER	WATER		---
WeB	WEIKERT SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES	WEIKERT	somewhat excessively	Low
WeC	WEIKERT SHALY SILT LOAM, 8 TO 15 PERCENT SLOPES	WEIKERT	somewhat excessively	Low
WkF	WEIKERT AND GILPIN SOILS, 25 TO 70 PERCENT SLOPES	WEIKERT	somewhat excessively	Medium
WkF	WEIKERT AND GILPIN SOILS, 25 TO 70 PERCENT SLOPES	GILPIN	well	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
WtB	WHARTON-GILPIN SILT LOAMS, 3 TO 8 PERCENT SLOPES	WHARTON	moderately well	High (1)
WtB	WHARTON-GILPIN SILT LOAMS, 3 TO 8 PERCENT SLOPES	GILPIN	well	Medium
WtC	WHARTON-GILPIN SILT LOAMS, 8 TO 15 PERCENT SLOPES	WHARTON	moderately well	High (1)
WtC	WHARTON-GILPIN SILT LOAMS, 8 TO 15 PERCENT SLOPES	GILPIN	well	Medium
WtD	WHARTON-GILPIN SILT LOAMS, 15 TO 25 PERCENT SLOPES	WHARTON	moderately well	Very high (1)
WtD	WHARTON-GILPIN SILT LOAMS, 15 TO 25 PERCENT SLOPES	GILPIN	well	High
WvB	WHARTON-VANDERGRIFT COMPLEX, 3 TO 8 PERCENT SLOPES	WHARTON	moderately well	High (1)
WvB	WHARTON-VANDERGRIFT COMPLEX, 3 TO 8 PERCENT SLOPES	VANDERGRIFT	moderately well	Very high (1)
WvC	WHARTON-VANDERGRIFT COMPLEX, 8 TO 15 PERCENT SLOPES	WHARTON	moderately well	High (1)
WvC	WHARTON-VANDERGRIFT COMPLEX, 8 TO 15 PERCENT SLOPES	VANDERGRIFT	moderately well	Very high (1)
WvD	WHARTON-VANDERGRIFT COMPLEX, 15 TO 25 PERCENT SLOPES	WHARTON	moderately well	Very high (1)

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WvD	WHARTON-VANDERGRIFT COMPLEX, 15 TO 25 PERCENT SLOPES	VANDERGRIFT	moderately well	Very 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