

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

Indiana County, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
AhA	ALLEGHENY SILT LOAM, 0 TO 3 PERCENT SLOPES	ALLEGHENY	well	Low
AhB2	ALLEGHENY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	ALLEGHENY	well	Medium
AhC2	ALLEGHENY SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	ALLEGHENY	well	Medium
ArA	ARMAGH SILT LOAM, 0 TO 3 PERCENT SLOPES	ARMAGH	poorly	Very high
ArB2	ARMAGH SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	ARMAGH	poorly	Very high
At	ATKINS SILT LOAM	ATKINS	poorly	Very high
BkA	BRINKERTON SILT LOAM, 0 TO 3 PERCENT SLOPES	BRINKERTON	poorly	Very high
BkB2	BRINKERTON SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	BRINKERTON	poorly	Very high
BnA	BRINKERTON SILT LOAM, VERY WET, 0 TO 3 PERCENT SLOPES	BRINKERTON	poorly	Very high
BnB	BRINKERTON SILT LOAM, VERY WET, 3 TO 8 PERCENT SLOPES	BRINKERTON	poorly	Very high
BsB	BRINKERTON VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	BRINKERTON	poorly	Very high
BtB	BRINKERTON VERY STONY SILT LOAM, VERY WET, 0 TO 8 PERCENT SLOPES	BRINKERTON	poorly	Very high
CaA	CAVODE SILT LOAM, 0 TO 3 PERCENT SLOPES	CAVODE	somewhat poorly	Very high
CaB2	CAVODE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	CAVODE	somewhat poorly	Very high
CaC2	CAVODE SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	CAVODE	somewhat poorly	Very high
CaD2	CAVODE SILT LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED	CAVODE	somewhat poorly	Very high
CcC3	CAVODE SILTY CLAY LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	CAVODE	somewhat poorly	Very high
CdB	CAVODE VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	CAVODE	somewhat poorly	Very high
CdC	CAVODE VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	CAVODE	somewhat poorly	Very high
CkB2	CLARKSBURG SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	CLARKSBURG	moderately well	Medium
CkC2	CLARKSBURG SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	CLARKSBURG	moderately well	Medium

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ClA2	CLYMER CHANNERY LOAM, 0 TO 5 PERCENT SLOPES, MODERATELY ERODED	CLYMER	well	Low
ClB2	CLYMER CHANNERY LOAM, 5 TO 12 PERCENT SLOPES, MODERATELY ERODED	CLYMER	well	Medium
ClC2	CLYMER CHANNERY LOAM, 12 TO 20 PERCENT SLOPES MODERATELY ERODED	CLYMER	well	Medium
CmB	CLYMER VERY STONY LOAM, 0 TO 12 PERCENT SLOPES	CLYMER	well	Medium
CmD	CLYMER VERY STONY LOAM, 12 TO 35 PERCENT SLOPES	CLYMER	well	High
CoA	COOKPORT LOAM, 0 TO 3 PERCENT SLOPES	COOKPORT	moderately well	Very high
CoB2	COOKPORT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	COOKPORT	moderately well	Very high
CoC2	COOKPORT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	COOKPORT	moderately well	Very high
CpB	COOKPORT VERY STONY LOAM, 0 TO 8 PERCENT SLOPES	COOKPORT	moderately well	Very high
CpC	COOKPORT VERY STONY LOAM, 8 TO 25 PERCENT SLOPES	COOKPORT	moderately well	Very high
DaA2	DEKALB CHANNERY SANDY LOAM, 0 TO 5 PERCENT SLOPES, MODERATELY ERODED	DEKALB	well	Negligible
DaB2	DEKALB CHANNERY SANDY LOAM, 5 TO 12 PERCENT SLOPES, MODERATELY ERODED	DEKALB	well	Very low
DaC2	DEKALB CHANNERY LOAM, 12 TO 20 PERCENT SLOPES, MODERATELY ERODED	DEKALB	well	Very low
DbB	DEKALB VERY STONY LOAM, 0 TO 12 PERCENT SLOPES	DEKALB	well	Very low
DgB	DEKALB-GILPIN VERY STONY LOAMS, 0 TO 12 PERCENT SLOPES	DEKALB	well	Very low
DgB	DEKALB-GILPIN VERY STONY LOAMS, 0 TO 12 PERCENT SLOPES	GILPIN	well	Medium
DgD	DEKALB-GILPIN VERY STONY LOAMS, 12 TO 35 PERCENT SLOPES	DEKALB	well	Low
DgD	DEKALB-GILPIN VERY STONY LOAMS, 12 TO 35 PERCENT SLOPES	GILPIN	well	High
DgF	DEKALB-GILPIN VERY STONY LOAMS, 35 TO 100 PERCENT SLOPES	DEKALB	well	Low
DgF	DEKALB-GILPIN VERY STONY LOAMS, 35 TO 100 PERCENT SLOPES	GILPIN	well	High

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DkD2	DEKALB AND RAMSEY CHANNERY SANDY LOAMS, 20 TO 35 PERCENT SLOPES, MODERATELY ERODED	DEKALB	well	Low
DkD2	DEKALB AND RAMSEY CHANNERY SANDY LOAMS, 20 TO 35 PERCENT SLOPES, MODERATELY ERODED	RAMSEY	somewhat excessively	Medium
DrD	DEKALB AND RAMSEY VERY STONY SANDY LOAMS, 12 TO 35 PERCENT SLOPES	RAMSEY	somewhat excessively	Medium
DrD	DEKALB AND RAMSEY VERY STONY SANDY LOAMS, 12 TO 35 PERCENT SLOPES	DEKALB	well	Low
ErA2	ERNEST SILT LOAM, 0 TO 3 PERCENT SLOPES, MODERATELY ERODED	ERNEST	moderately well	Medium
ErB2	ERNEST SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	ERNEST	moderately well	High
ErB3	ERNEST SILT LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	ERNEST	moderately well	High
ErC2	ERNEST SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	ERNEST	moderately well	High
ErC3	ERNEST SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	ERNEST	moderately well	High
ErD2	ERNEST SILT LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED	ERNEST	moderately well	Very high
EsB	ERNEST VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	ERNEST	moderately well	Low
EsC	ERNEST VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	ERNEST	moderately well	High
GcA2	GILPIN CHANNERY SILT LOAM, 0 TO 5 PERCENT SLOPES MODERATELY ERODED	GILPIN	well	Low
GcB2	GILPIN CHANNERY SILT LOAM, 5 TO 12 PERCENT SLOPES, MODERATELY ERODED	GILPIN	well	Medium
GcC2	GILPIN CHANNERY SILT LOAM, 12 TO 20 PERCENT SLOPES, MODERATELY ERODED	GILPIN	well	Medium
GcD2	GILPIN CHANNERY SILT LOAM, 20 TO 35 PERCENT SLOPES, MODERATELY ERODED	GILPIN	well	High
GnB	GILPIN VERY STONY SILT LOAM, 0 TO 12 PERCENT SLOPES	GILPIN	well	Medium
GnD	GILPIN VERY STONY SILT LOAM, 12 TO 35 PERCENT SLOPES	GILPIN	well	High
GpE2	GILPIN AND WEIKERT CHANNERY SILT LOAMS, 35 TO 70 PERCENT SLOPES, MODERATELY ERODED	GILPIN	well	High

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GpE2	GILPIN AND WEIKERT CHANNERY SILT LOAMS, 35 TO 70 PERCENT SLOPES, MODERATELY ERODED	WEIKERT	somewhat excessively	Medium
GrF	GILPIN AND WEIKERT VERY STONY SILT LOAMS, 35 TO 70 PERCENT SLOPES	GILPIN	well	High
GrF	GILPIN AND WEIKERT VERY STONY SILT LOAMS, 35 TO 70 PERCENT SLOPES	WEIKERT	somewhat excessively	Medium
GwA2	GILPIN-WEIKERT SHALY SILT LOAMS, 0 TO 5 PERCENT SLOPES, MODERATELY ERODED	GILPIN	well	Low
GwA2	GILPIN-WEIKERT SHALY SILT LOAMS, 0 TO 5 PERCENT SLOPES, MODERATELY ERODED	WEIKERT	somewhat excessively	Very low
GwB2	GILPIN-WEIKERT SHALY SILT LOAMS, 5 TO 12 PERCENT SLOPES, MODERATELY ERODED	GILPIN	well	Medium
GwB2	GILPIN-WEIKERT SHALY SILT LOAMS, 5 TO 12 PERCENT SLOPES, MODERATELY ERODED	WEIKERT	somewhat excessively	Low
GwC2	GILPIN-WEIKERT SHALY SILT LOAMS, 12 TO 20 PERCENT SLOPES, MODERATELY ERODED	GILPIN	well	Medium
GwC2	GILPIN-WEIKERT SHALY SILT LOAMS, 12 TO 20 PERCENT SLOPES, MODERATELY ERODED	WEIKERT	somewhat excessively	Low
GyB2	GUERNSEY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	GUERNSEY	moderately well	High
GyC3	GUERNSEY SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	GUERNSEY	moderately well	High
Ma	MADE LAND	MADE LAND		---
Md	MINE DUMPS	MINE DUMPS		---
MoA2	MONONGAHELA SILT LOAM, 0 TO 3 PERCENT SLOPES, MODERATELY ERODED	MONONGAHELA	moderately well	Low
MoB2	MONONGAHELA SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	MONONGAHELA	moderately well	Medium
MoC2	MONONGAHELA SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	MONONGAHELA	moderately well	Medium
MP	MINES AND PITS	MINES AND PITS		---
NoA	NOLO SILT LOAM, 0 TO 3 PERCENT SLOPES	NOLO	poorly	Very high
NoB	NOLO SILT LOAM, 3 TO 8 PERCENT SLOPES	NOLO	poorly	Very high
Ph	PHILO SILT LOAM	PHILO	moderately well	Low
Pm	POPE FINE SANDY LOAM	POPE	well	Very low
Po	POPE SILT LOAM	POPE	well	Low

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Pu	PURDY SILT LOAM	PURDY	poorly	High
PuA	PURDY SILT LOAM, 0 TO 5 PERCENT SLOPES	PURDY	poorly	High
RcE	RAMSEY AND DEKALB CHANNERY SANDY LOAMS, 35 TO 70 PERCENT SLOPES	DEKALB	well	Low
RcE	RAMSEY AND DEKALB CHANNERY SANDY LOAMS, 35 TO 70 PERCENT SLOPES	RAMSEY	somewhat excessively	Medium
RdF	RAMSEY AND DEKALB VERY STONY SANDY LOAMS, 35 TO 70 PERCENT SLOPES	RAMSEY	somewhat excessively	Medium
RdF	RAMSEY AND DEKALB VERY STONY SANDY LOAMS, 35 TO 70 PERCENT SLOPES	DEKALB	well	Low
So	STONY LAND, SLOPING	STONY LAND		---
Sp	STONY LAND, STEEP	STONY LAND		---
Sr	STRIP MINE SPOIL, SLOPING	STRIP MINE SPOIL		---
St	STRIP MINE SPOIL, STEEP	STRIP MINE SPOIL		---
TrA	TYGART SILT LOAM, 0 TO 3 PERCENT SLOPES	TYGART	somewhat poorly	Very high
TrB2	TYGART SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	TYGART	somewhat poorly	Very high
UgB2	UPSHUR-GILPIN SILTY CLAY LOAMS, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	UPSHUR	well	Very high
UgB2	UPSHUR-GILPIN SILTY CLAY LOAMS, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	GILPIN	well	Medium
UgC2	UPSHUR-GILPIN SILTY CLAY LOAMS, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	UPSHUR	well	Very high
UgC2	UPSHUR-GILPIN SILTY CLAY LOAMS, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	GILPIN	well	Medium
UgC3	UPSHUR-GILPIN SILTY CLAY LOAMS, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	UPSHUR	well	Very high
UgC3	UPSHUR-GILPIN SILTY CLAY LOAMS, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	GILPIN	well	Medium
UgD2	UPSHUR-GILPIN SILTY CLAY LOAMS, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED	UPSHUR	well	Very high
UgD2	UPSHUR-GILPIN SILTY CLAY LOAMS, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED	GILPIN	well	High
UgD3	UPSHUR-GILPIN SILTY CLAY LOAMS, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	UPSHUR	well	Very high

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UgD3	UPSHUR-GILPIN SILTY CLAY LOAMS, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	GILPIN	well	High
UgE2	UPSHUR-GILPIN SILTY CLAY LOAMS, 25 TO 35 PERCENT SLOPES, MODERATELY ERODED	UPSHUR	well	Very high
UgE2	UPSHUR-GILPIN SILTY CLAY LOAMS, 25 TO 35 PERCENT SLOPES, MODERATELY ERODED	GILPIN	well	High
UgE3	UPSHUR-GILPIN SILTY CLAY LOAMS, 25 TO 45 PERCENT SLOPES, SEVERELY ERODED	UPSHUR	well	Very high
UgE3	UPSHUR-GILPIN SILTY CLAY LOAMS, 25 TO 45 PERCENT SLOPES, SEVERELY ERODED	GILPIN	well	High
VaB2	VANDERGRIFT SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	VANDERGRIFT	moderately well	Very high (1)
VaC2	VANDERGRIFT SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	VANDERGRIFT	moderately well	Very high (1)
WgB3	WEIKERT-GILPIN SHALY SILT LOAMS, 5 TO 12 PERCENT SLOPES, SEVERELY ERODED	WEIKERT	somewhat excessively	Low
WgB3	WEIKERT-GILPIN SHALY SILT LOAMS, 5 TO 12 PERCENT SLOPES, SEVERELY ERODED	GILPIN	well	Medium
WgC3	WEIKERT-GILPIN SHALY SILT LOAMS, 12 TO 20 PERCENT SLOPES, SEVERELY ERODED	WEIKERT	somewhat excessively	Low
WgC3	WEIKERT-GILPIN SHALY SILT LOAMS, 12 TO 20 PERCENT SLOPES, SEVERELY ERODED	GILPIN	well	Medium
WkD2	WEIKERT AND GILPIN SHALY SILT LOAMS, 20 TO 35 PERCENT SLOPES, MODERATELY ERODED	WEIKERT	somewhat excessively	Medium
WkD2	WEIKERT AND GILPIN SHALY SILT LOAMS, 20 TO 35 PERCENT SLOPES, MODERATELY ERODED	GILPIN	well	High
WkD3	WEIKERT AND GILPIN SHALY SILT LOAMS, 20 TO 35 PERCENT SLOPES, SEVERELY ERODED	WEIKERT	somewhat excessively	Medium
WkD3	WEIKERT AND GILPIN SHALY SILT LOAMS, 20 TO 35 PERCENT SLOPES, SEVERELY ERODED	GILPIN	well	High
WkF2	WEIKERT AND GILPIN SHALY SILT LOAMS, 35 TO 70 PERCENT SLOPES, MODERATELY ERODED	WEIKERT	somewhat excessively	Medium
WkF2	WEIKERT AND GILPIN SHALY SILT LOAMS, 35 TO 70 PERCENT SLOPES, MODERATELY ERODED	GILPIN	well	High
WkF3	WEIKERT AND GILPIN SHALY SILT LOAMS, 35 TO 70 PERCENT SLOPES, SEVERELY ERODED	WEIKERT	somewhat excessively	Medium

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WkF3	WEIKERT AND GILPIN SHALY SILT LOAMS, 35 TO 70 PERCENT SLOPES, SEVERELY ERODED	GILPIN	well	High
WmB2	WESTMORELAND SILT LOAM, 5 TO 12 PERCENT SLOPES, MODERATELY ERODED	WESTMORELAND	well	Medium
WmC2	WESTMORELAND SILT LOAM, 12 TO 20 PERCENT SLOPES, MODERATELY ERODED	WESTMORELAND	well	Medium
WmD3	WESTMORELAND SILT LOAM, 20 TO 35 PERCENT SLOPES, SEVERELY ERODED	WESTMORELAND	well	High
WrA	WHARTON SILT LOAM, 0 TO 3 PERCENT SLOPES	WHARTON	moderately well	Medium (1)
WrB2	WHARTON SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	WHARTON	moderately well	High (1)
WrC2	WHARTON SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	WHARTON	moderately well	High (1)
WrC3	WHARTON SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	WHARTON	moderately well	High (1)
WrD2	WHARTON SILT LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED	WHARTON	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