

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

Lackawanna and Wyoming Counties, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
ArC	ARNOT VERY CHANNERY SILT LOAM, VERY ROCKY, 3 TO 15 PERCENT SLOPES	ARNOT	somewhat excessively	Medium
AsB	ARNOT-ROCK OUTCROP COMPLEX, 0 TO 8 PERCENT SLOPES	ARNOT	somewhat excessively	Low
AsB	ARNOT-ROCK OUTCROP COMPLEX, 0 TO 8 PERCENT SLOPES	ROCK OUTCROP		---
AsD	ARNOT-ROCK OUTCROP COMPLEX, 8 TO 25 PERCENT SLOPES	ARNOT	somewhat excessively	Medium
AsD	ARNOT-ROCK OUTCROP COMPLEX, 8 TO 25 PERCENT SLOPES	ROCK OUTCROP		---
ASE	ARNOT-ROCK OUTCROP COMPLEX, STEEP	ARNOT	somewhat excessively	High
ASE	ARNOT-ROCK OUTCROP COMPLEX, STEEP	ROCK OUTCROP		---
At	ATHERTON LOAM, PONDED	ATHERTON	very poorly	Low
BaB	BATH CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	BATH	well	High
BaC	BATH CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	BATH	well	High
BaD	BATH CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	BATH	well	High
BbB	BATH EXTREMELY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	BATH	well	High
BbD	BATH EXTREMELY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	BATH	well	High
BcB	BRACEVILLE GRAVELLY LOAM, 2 TO 6 PERCENT SLOPES	BRACEVILLE	moderately well	Very high
Da	DUMPS, MINE	DUMPS		---
Db	DUMPS, BURNED MINE	DUMPS		---
DYD	DYSTROCHREPTS AND ROCK OUTCROP, MODERATELY STEEP	DYSTROCHREPTS	well	Low
DYD	DYSTROCHREPTS AND ROCK OUTCROP, MODERATELY STEEP	ROCK OUTCROP		---
DYE	DYSTROCHREPTS AND ROCK OUTCROP, STEEP	DYSTROCHREPTS	well	Medium
DYE	DYSTROCHREPTS AND ROCK OUTCROP, STEEP	ROCK OUTCROP		---
FA	FLUVENTS AND FLUVAQUENTS	FLUVENTS	well	Low
FA	FLUVENTS AND FLUVAQUENTS	FLUVAQUENTS		Very high
HA	HAPLAQUENTS, STONY	HAPLAQUENTS	poorly	Very high

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Hm	HOLLY SILT LOAM	HOLLY	poorly	Very high
Ho	HOLLY SILT LOAM, PONDED	HOLLY	poorly	Very high
LaB	LACKAWANNA CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	LACKAWANNA	well	High
LaC	LACKAWANNA CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	LACKAWANNA	well	High
LaD	LACKAWANNA CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	LACKAWANNA	well	High
LbB	LACKAWANNA EXTREMELY STONY LOAM, 3 TO 8 PERCENT SLOPES	LACKAWANNA	well	High
LbD	LACKAWANNA EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES	LACKAWANNA	well	High
LCE	LACKAWANNA AND BATH EXTREMELY STONY LOAMS, STEEP	LACKAWANNA	well	High
LCE	LACKAWANNA AND BATH EXTREMELY STONY LOAMS, STEEP	BATH	well	High
LeB	LORDSTOWN CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	LORDSTOWN	well	Medium
LeC	LORDSTOWN CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	LORDSTOWN	well	Medium
LeD	LORDSTOWN CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	LORDSTOWN	well	High
LfB	LORDSTOWN FLAGGY SILT LOAM, 3 TO 8 PERCENT SLOPES	LORDSTOWN	well	Medium
LfC	LORDSTOWN FLAGGY SILT LOAM, 8 TO 15 PERCENT SLOPES	LORDSTOWN	well	Medium
LxB	LORDSTOWN EXTREMELY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	LORDSTOWN	well	Medium
LxD	LORDSTOWN EXTREMELY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	LORDSTOWN	well	Medium
McB	MARDIN CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	MARDIN	moderately well	High
McC	MARDIN CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	MARDIN	moderately well	High
McD	MARDIN CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	MARDIN	moderately well	High
MfB	MARDIN FLAGGY SILT LOAM, 3 TO 8 PERCENT SLOPES	MARDIN	moderately well	High

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MfC	MARDIN FLAGGY SILT LOAM, 8 TO 15 PERCENT SLOPES	MARDIN	moderately well	High
MhB	MARDIN EXTREMELY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	MARDIN	moderately well	High
MhD	MARDIN EXTREMELY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	MARDIN	moderately well	High
MK	MEDISAPRISTS AND MEDIHEMISTS	MEDISAPRISTS	very poorly	Very low
MK	MEDISAPRISTS AND MEDIHEMISTS	MEDIHEMISTS	very poorly	Very low
MrA	MORRIS CHANNERY LOAM, 0 TO 3 PERCENT SLOPES	MORRIS	somewhat poorly	Very high
MrB	MORRIS CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	MORRIS	somewhat poorly	Very high
MrC	MORRIS CHANNERY LOAM, 8 TO 18 PERCENT SLOPES	MORRIS	somewhat poorly	Very high
MsB	MORRIS FLAGGY LOAM, 3 TO 8 PERCENT SLOPES	MORRIS	somewhat poorly	Very high
MsC	MORRIS FLAGGY LOAM, 8 TO 15 PERCENT SLOPES	MORRIS	somewhat poorly	Very high
MxB	MORRIS EXTREMELY STONY LOAM, 0 TO 8 PERCENT SLOPES	MORRIS	somewhat poorly	Very high
MxD	MORRIS EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES	MORRIS	somewhat poorly	Very high
NcA	NORWICH AND CHIPPEWA CHANNERY SILT LOAMS, 0 TO 3 PERCENT SLOPES	NORWICH	poorly	Very high
NcA	NORWICH AND CHIPPEWA CHANNERY SILT LOAMS, 0 TO 3 PERCENT SLOPES	CHIPPEWA	poorly	Very high
NcB	NORWICH AND CHIPPEWA CHANNERY SILT LOAMS, 3 TO 8 PERCENT SLOPES	NORWICH	poorly	Very high
NcB	NORWICH AND CHIPPEWA CHANNERY SILT LOAMS, 3 TO 8 PERCENT SLOPES	CHIPPEWA	poorly	Very high
NxB	NORWICH AND CHIPPEWA EXTREMELY STONY SILT LOAMS, 0 TO 8 PERCENT SLOPES	NORWICH	poorly	Very high
NxB	NORWICH AND CHIPPEWA EXTREMELY STONY SILT LOAMS, 0 TO 8 PERCENT SLOPES	CHIPPEWA	poorly	Very high
OcB	OQUAGA CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	OQUAGA	well	Medium
OcC	OQUAGA CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	OQUAGA	well	Medium

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OcD	OQUAGA CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	OQUAGA	well	High
OfB	OQUAGA FLAGGY LOAM, 3 TO 8 PERCENT SLOPES	OQUAGA	well	Medium
OfC	OQUAGA FLAGGY LOAM, 8 TO 15 PERCENT SLOPES	OQUAGA	well	Medium
OxB	OQUAGA EXTREMELY STONY LOAM, 3 TO 8 PERCENT SLOPES	OQUAGA	well	Medium
OxD	OQUAGA EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES	OQUAGA	well	Medium
OYE	OQUAGA AND LORDSTOWN EXTREMELY STONY LOAMS, STEEP	OQUAGA	well	High
OYE	OQUAGA AND LORDSTOWN EXTREMELY STONY LOAMS, STEEP	LORDSTOWN	well	High
Ph	PHILO SILT LOAM	PHILO	moderately well	Low
Pk	PITS, GRAVEL	PITS, GRAVEL		---
Po	POPE SOILS	POPE	well	Very low
Pp	POPE SOILS, RARELY FLOODED	POPE	well	Very low
Qu	QUARRIES	QUARRIES		---
ReA	REXFORD LOAM, 0 TO 5 PERCENT SLOPES	REXFORD	somewhat poorly	Very high
ReA	REXFORD LOAM, 0 TO 5 PERCENT SLOPES	REXFORD (poorly drained)	poorly	Very high
SwB	SWARTSWOOD CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	SWARTSWOOD	well	Medium
SwC	SWARTSWOOD CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	SWARTSWOOD	well	Medium
SwD	SWARTSWOOD CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	SWARTSWOOD	well	High
SxB	SWARTSWOOD EXTREMELY STONY LOAM, 3 TO 8 PERCENT SLOPES	SWARTSWOOD	well	Medium
SxD	SWARTSWOOD EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES	SWARTSWOOD	well	Medium
UA	UDORTHENTS, STRIP MINE	UDORTHENTS		Low
UnB	UNADILLA SILT LOAM, 3 TO 8 PERCENT SLOPES	UNADILLA	well	Medium
UnC	UNADILLA SILT LOAM, 8 TO 15 PERCENT SLOPES	UNADILLA	well	Medium

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Ur	URBAN LAND	URBAN LAND		---
Us	URBAN LAND, OCCASIONALLY FLOODED	URBAN LAND		---
VcA	VOLUSIA CHANNERY SILT LOAM, 0 TO 3 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
VcB	VOLUSIA CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
VcC	VOLUSIA CHANNERY SILT LOAM, 8 TO 18 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
VfB	VOLUSIA FLAGGY SILT LOAM, 3 TO 8 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
VfC	VOLUSIA FLAGGY SILT LOAM, 8 TO 15 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
VxB	VOLUSIA EXTREMELY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
VxD	VOLUSIA EXTREMELY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
W	WATER	WATER		---
WcB	WELLSBORO CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	WELLSBORO	moderately well	High
WcC	WELLSBORO CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	WELLSBORO	moderately well	High
WcD	WELLSBORO CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	WELLSBORO	moderately well	High
WfB	WELLSBORO FLAGGY LOAM, 3 TO 8 PERCENT SLOPES	WELLSBORO	moderately well	High
WfC	WELLSBORO FLAGGY LOAM, 8 TO 15 PERCENT SLOPES	WELLSBORO	moderately well	High
WgB	WELLSBORO EXTREMELY STONY LOAM, 3 TO 8 PERCENT SLOPES	WELLSBORO	moderately well	High
WgD	WELLSBORO EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES	WELLSBORO	moderately well	High
WkB	WURTSBORO CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	WURTSBORO	moderately well	High
WkC	WURTSBORO CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	WURTSBORO	moderately well	High
WxB	WURTSBORO EXTREMELY STONY LOAM, 3 TO 8 PERCENT SLOPES	WURTSBORO	moderately well	High
WxD	WURTSBORO EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES	WURTSBORO	moderately well	High

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Wy	WYALUSING SILT LOAM	WYALUSING	poorly	Very high
WyA	WYOMING GRAVELLY SANDY LOAM, 0 TO 3 PERCENT SLOPES	WYOMING	somewhat excessively	Negligible
WyB	WYOMING GRAVELLY SANDY LOAM, 3 TO 8 PERCENT SLOPES	WYOMING	somewhat excessively	Very low
WyC	WYOMING GRAVELLY SANDY LOAM, 8 TO 15 PERCENT SLOPES	WYOMING	somewhat excessively	Very low
WyD	WYOMING GRAVELLY SANDY LOAM, 15 TO 25 PERCENT SLOPES	WYOMING	somewhat excessively	Low
WyE	WYOMING GRAVELLY SANDY LOAM, 25 TO 45 PERCENT SLOPES	WYOMING	somewhat excessively	Low

(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