

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

Luzerne County, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
Ag	ALLUVIAL LAND	ALLUVIAL LAND	moderately well	Low
Ag	ALLUVIAL LAND	HOLLY	poorly	Very high
AlB	ALVIRA SILT LOAM, 3 TO 8 PERCENT SLOPES	ALVIRA	somewhat poorly	Very high
AnB	ALVIRA VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	ALVIRA	somewhat poorly	Very high
ArB	ARNOT-ROCK OUTCROP COMPLEX, 0 TO 8 PERCENT SLOPES	ARNOT	well	Low
ArD	ARNOT-ROCK OUTCROP COMPLEX, 8 TO 25 PERCENT SLOPES	ARNOT	well	Medium
ArD	ARNOT-ROCK OUTCROP COMPLEX, 8 TO 25 PERCENT SLOPES	ROCK OUTCROP		---
ASF	ARNOT-ROCK OUTCROP COMPLEX, STEEP	ARNOT	well	High
ASF	ARNOT-ROCK OUTCROP COMPLEX, STEEP	ROCK OUTCROP		---
At	ATHERTON SILT LOAM, GRAY SUBSOIL VARIANT	ATHERTON VARIANT	poorly	Low
Bf	BASHER SOILS	BASHER	moderately well	Low
BkB	BATH CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	BATH	well	High
BkC	BATH CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	BATH	well	High
BkD	BATH CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	BATH	well	High
BnB	BATH VERY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	BATH	well	High
BnD	BATH VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	BATH	well	High
BrA	BRACEVILLE GRAVELLY LOAM, 0 TO 3 PERCENT SLOPES	BRACEVILLE	moderately well	Low
BrB	BRACEVILLE GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	BRACEVILLE	moderately well	Medium
BrC	BRACEVILLE GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	BRACEVILLE	moderately well	Medium
BuB	BUCHANAN CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	BUCHANAN	moderately well	High
BxB	BUCHANAN EXTREMELY STONY LOAM, 3 TO 8 SLOPES	BUCHANAN	moderately well	High
BxD	BUCHANAN EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES	BUCHANAN	moderately well	High

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CF	CUT AND FILL LAND	CUT AND FILL LAND	somewhat excessively	---
ChA	CHENANGO GRAVELLY LOAM, 0 TO 3 PERCENT SLOPES	CHENANGO	well	Very low
ChB	CHENANGO GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	CHENANGO	well	Low
ChC	CHENANGO GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	CHENANGO	well	Low
ClA	CHIPPEWA SILT LOAM, 0 TO 3 PERCENT SLOPES	CHIPPEWA	very poorly	Medium
ClB	CHIPPEWA SILT LOAM, 3 TO 8 PERCENT SLOPES	CHIPPEWA	very poorly	High
CnB	CHIPPEWA VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	CHIPPEWA	very poorly	Medium
DdB	DEKALB EXTREMELY STONY SANDY LOAM, 0 TO 8 PERCENT SLOPES	DEKALB	well	Very low
DdD	DEKALB EXTREMELY STONY SANDY LOAM, 8 TO 25 PERCENT SLOPES	DEKALB	well	Low
DEF	DEKALB EXTREMELY STONY SANDY LOAM, STEEP	DEKALB	well	Medium
Ho	HOLLY SILT LOAM	HOLLY	poorly	Very high
KdB	KEDRON CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	KEDRON	moderately well	High
KdC	KEDRON CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	KEDRON	moderately well	High
KeB	KEDRON VERY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	KEDRON	moderately well	High
KeC	KEDRON VERY STONY SILT LOAM, 8 TO 20 PERCENT SLOPES	KEDRON	moderately well	High
KwB	KEDRON CHANNERY SILT LOAM, SOMEWHAT POORLY DRAINED, 0 TO 8 PERCENT SLOPES	KEDRON, SWPD	somewhat poorly	Very high
KwB	KEDRON CHANNERY SILT LOAM, SOMEWHAT POORLY DRAINED, 0 TO 8 PERCENT SLOPES	POORLY DRAINED SOILS		Low
KxB	KEDRON VERY STONY SILT LOAM, SOMEWHAT POORLY DRAINED, 0 TO 8 PERCENT SLOPES	KEDRON, SWPD	somewhat poorly	Very high
KxB	KEDRON VERY STONY SILT LOAM, SOMEWHAT POORLY DRAINED, 0 TO 8 PERCENT SLOPES	POORLY DRAINED SOILS		Low
LaB	LACKAWANNA CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	LACKAWANNA	well	Very high

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LaC	LACKAWANNA CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	LACKAWANNA	well	Very high
LaD	LACKAWANNA CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	LACKAWANNA	well	Very high
LcB	LACKAWANNA VERY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	LACKAWANNA	well	Very high
LcD	LACKAWANNA VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	LACKAWANNA	well	Very high
LEF	LACKAWANNA AND BATH VERY STONY SILT LOAMS, STEEP	LACKAWANNA	well	Very high
LEF	LACKAWANNA AND BATH VERY STONY SILT LOAMS, STEEP	BATH	well	High
LkB	LECK KILL CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	LECK KILL	well	Low
LkC	LECK KILL CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	LECK KILL	well	Low
LkD	LECK KILL CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	LECK KILL	well	Medium
Ln	LINDEN SOILS	LINDEN	well	Very low
MaB	MARDIN CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	MARDIN	moderately well	Very high
MaC	MARDIN CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	MARDIN	moderately well	Very high
MaD	MARDIN CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	MARDIN	moderately well	Very high
McB	MARDIN VERY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	MARDIN	moderately well	Very high
McD	MARDIN VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	MARDIN	moderately well	Very high
MeB	MECKESVILLE CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	MECKESVILLE	well	Medium
MeC	MECKESVILLE CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	MECKESVILLE	well	Medium
MeD	MECKESVILLE CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	MECKESVILLE	well	High
MfB	MECKESVILLE VERY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	MECKESVILLE	well	Medium
MfD	MECKESVILLE VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	MECKESVILLE	well	Medium

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Mg	MINE DUMP	MINE DUMP		Medium
Mh	MINE DUMP, BURNED	MINE DUMP, BURNED		Medium
Mm	MINE WASH	MINE WASH		Medium
MoB	MORRIS CHANNERY SILT LOAM, 0 TO 8 PERCENT SLOPES	MORRIS	somewhat poorly	Very high
MoC	MORRIS CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	MORRIS	somewhat poorly	Very high
MsB	MORRIS VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	MORRIS	somewhat poorly	Very high
MsC	MORRIS VERY STONY SILT LOAM, 8 TO 15 PERCENT SLOPES	MORRIS	somewhat poorly	Very high
Mu	MUCK	MUCK	very poorly	Very low
OlB	OQUAGA AND LORDSTOWN CHANNERY SILT LOAMS, 3 TO 8 PERCENT SLOPES	OQUAGA	well	Medium
OlB	OQUAGA AND LORDSTOWN CHANNERY SILT LOAMS, 3 TO 8 PERCENT SLOPES	LORDSTOWN	well	Medium
OlC	OQUAGA AND LORDSTOWN CHANNERY SILT LOAMS, 8 TO 15 PERCENT SLOPES	OQUAGA	well	Medium
OlC	OQUAGA AND LORDSTOWN CHANNERY SILT LOAMS, 8 TO 15 PERCENT SLOPES	LORDSTOWN	well	Medium
Old	OQUAGA AND LORDSTOWN CHANNERY SILT LOAMS, 15 TO 25 PERCENT SLOPES	OQUAGA	well	High
Old	OQUAGA AND LORDSTOWN CHANNERY SILT LOAMS, 15 TO 25 PERCENT SLOPES	LORDSTOWN	well	High
OpB	OQUAGA AND LORDSTOWN EXTREMELY STONY SILT LOAMS, 3 TO 8 PERCENT SLOPES	OQUAGA	well	Medium
OpB	OQUAGA AND LORDSTOWN EXTREMELY STONY SILT LOAMS, 3 TO 8 PERCENT SLOPES	LORDSTOWN	well	Medium
OpD	OQUAGA AND LORDSTOWN EXTREMELY STONY SILT LOAMS, 8 TO 25 PERCENT SLOPES	OQUAGA	well	Medium
OpD	OQUAGA AND LORDSTOWN EXTREMELY STONY SILT LOAMS, 8 TO 25 PERCENT SLOPES	LORDSTOWN	well	Medium
OXF	OQUAGA AND LORDSTOWN EXTREMELY STONY SILT LOAMS STEEP	OQUAGA	well	High
OXF	OQUAGA AND LORDSTOWN EXTREMELY STONY SILT LOAMS STEEP	LORDSTOWN	well	High
PoB	POCONO GRAVELLY SANDY LOAM, 3 TO 8 PERCENT SLOPES	POCONO	well	Medium

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PoC	POCONO GRAVELLY SANDY LOAM, 8 TO 15 PERCENT SLOPES	POCONO	well	Medium
PpB	POCONO EXTREMELY STONY SANDY LOAM, 3 TO 8 PERCENT SLOPES	POCONO	well	Medium
PpD	POCONO EXTREMELY STONY SANDY LOAM, 8 TO 25 PERCENT SLOPES	POCONO	well	Medium
PQ	PITS AND QUARRIES	PITS AND QUARRIES		---
Ps	POPE SOILS	POPE	well	Low
RdA	REXFORD LOAM, 0 TO 3 PERCENT SLOPES	REXFORD	poorly	Very high
RdB	REXFORD LOAM, 3 TO 8 PERCENT SLOPES	REXFORD	poorly	Very high
RdB	REXFORD LOAM, 3 TO 8 PERCENT SLOPES	REXFORD, SWPD	poorly	Very high
ShA	SHELMADINE SILT LOAM, 0 TO 5 PERCENT SLOPES	SHELMADINE	poorly	Very high
SkB	SHELMADINE VERY STONY SILT LOAM, 0 TO 5 PERCENT SLOPES	SHELMADINE	poorly	Very high
Sm	STRIP MINE	STRIP MINE		Medium
Ub	URBAN LAND	URBAN LAND		---
Uf	URBAN LAND, RARELY FLOODED	URBAN LAND, RARE FLOOD		---
VoB	VOLUSIA CHANNERY SILT LOAM, 0 TO 8 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
VoC	VOLUSIA CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
VrB	VOLUSIA VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
VrC	VOLUSIA VERY STONY SILT LOAM, 8 TO 15 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
W	BODIES OF WATER 2 TO 40 ACRES IN SIZE	BODIES OF WATER 2 TO		---
Wa	WAYLAND SILT LOAM	WAYLAND	very poorly	High
WeB	WEIKERT AND KLINESVILLE CHANNERY SILT LOAMS, 3 TO 8 PERCENT SLOPES	WEIKERT	well	Medium
WeB	WEIKERT AND KLINESVILLE CHANNERY SILT LOAMS, 3 TO 8 PERCENT SLOPES	KLINESVILLE	well	Medium
WeC	WEIKERT AND KLINESVILLE CHANNERY SILT LOAMS, 8 TO 15 PERCENT SLOPES	WEIKERT	well	Medium

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WeC	WEIKERT AND KLINESVILLE CHANNERY SILT LOAMS, 8 TO 15 PERCENT SLOPES	KLINESVILLE	well	Medium
WeD	WEIKERT AND KLINESVILLE CHANNERY SILT LOAMS, 15 TO 25 PERCENT SLOPES	WEIKERT	well	High
WeD	WEIKERT AND KLINESVILLE CHANNERY SILT LOAMS, 15 TO 25 PERCENT SLOPES	KLINESVILLE	well	High
WlB	WELLSBORO CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	WELLSBORO	moderately well	High
WlC	WELLSBORO CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	WELLSBORO	moderately well	High
WlD	WELLSBORO CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	WELLSBORO	moderately well	High
WmB	WELLSBORO VERY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	WELLSBORO	moderately well	High
WmD	WELLSBORO VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	WELLSBORO	moderately well	High
WrB	WURTSBORO CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	WURTSBORO	moderately well	High
WrC	WURTSBORO CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	WURTSBORO	moderately well	High
WrD	WURTSBORO CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	WURTSBORO	moderately well	High
WtB	WURTSBORO EXTREMELY STONY LOAM, 3 TO 8 SLOPES	WURTSBORO	moderately well	High
WtD	WURTSBORO EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES	WURTSBORO	moderately well	High
WyD	WYOMING GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES	WYOMING	somewhat excessively	Low
WyF	WYOMING GRAVELLY LOAM, 25 TO 60 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