

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

Lebanon County, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
1BhD	BERKS-BEDINGTON COMPLEX, 15 TO 25 PERCENT SLOPES	BERKS	well	Medium
1BhD	BERKS-BEDINGTON COMPLEX, 15 TO 25 PERCENT SLOPES	BEDINGTON	well	Medium
1BkB	BERKS-WEIKERT COMPLEX, 3 TO 8 PERCENT SLOPES	BERKS	well	Low
1BkB	BERKS-WEIKERT COMPLEX, 3 TO 8 PERCENT SLOPES	WEIKERT	somewhat excessively	Low
1BkC	BERKS-WEIKERT COMPLEX, 8 TO 15 PERCENT SLOPES	BERKS	well	Low
1BkC	BERKS-WEIKERT COMPLEX, 8 TO 15 PERCENT SLOPES	WEIKERT	somewhat excessively	Low
1BkF	BERKS-WEIKERT COMPLEX, 25 TO 60 PERCENT SLOPES	BERKS	well	Medium
1BkF	BERKS-WEIKERT COMPLEX, 25 TO 60 PERCENT SLOPES	WEIKERT	somewhat excessively	Medium
1DfC	DUFFIELD-RYDER SILT LOAMS, 8 TO 15 PERCENT SLOPES	DUFFIELD	well	Medium
1DfC	DUFFIELD-RYDER SILT LOAMS, 8 TO 15 PERCENT SLOPES	RYDER	well	Low
1GeB	GLADSTONE GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES	GLADSTONE	well	Low
1GeC	GLADSTONE GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES	GLADSTONE	well	Low
1GfB	GLADSTONE GRAVELLY SILT LOAM, 0 TO 8 PERCENT SLOPES, VERY BOULDERY	GLADSTONE	well	Low
1GfD	GLADSTONE GRAVELLY SILT LOAM, 8 TO 25 PERCENT SLOPES, VERY BOULDERY	GLADSTONE	well	Low
1HeD	HAZLETON VERY CHANNERY LOAM, 8 TO 25 PERCENT SLOPES, EXTREMELY STONY	HAZLETON	well	Low
1HeF	HAZLETON VERY CHANNERY LOAM, 25 TO 60 PERCENT SLOPES, EXTREMELY STONY	HAZLETON	well	Medium
1HgF	HAZLETON-RUBBLE LAND COMPLEX, 25 TO 60 PERCENT SLOPES	HAZLETON	well	Medium
1HgF	HAZLETON-RUBBLE LAND COMPLEX, 25 TO 60 PERCENT SLOPES	RUBBLE LAND	excessively	Low
1JnD	JOANNA LOAM, 15 TO 25 PERCENT SLOPES	JOANNA	well	High
1JpB	JOANNA LOAM, 0 TO 8 PERCENT SLOPES, EXTREMELY STONY	JOANNA	well	Low

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1JpD	JOANNA LOAM, 8 TO 25 PERCENT SLOPES, EXTREMELY STONY	JOANNA	well	Medium
1Me	MIDDLEBURY SILT LOAM	MIDDLEBURY	moderately well	Very high
1WeB	WEIKERT-BERKS COMPLEX, 3 TO 8 PERCENT SLOPES	WEIKERT	somewhat excessively	Low
1WeB	WEIKERT-BERKS COMPLEX, 3 TO 8 PERCENT SLOPES	BERKS	well	Low
1WeD	WEIKERT-BERKS COMPLEX, 15 TO 25 PERCENT SLOPES	WEIKERT	somewhat excessively	Low
1WeD	WEIKERT-BERKS COMPLEX, 15 TO 25 PERCENT SLOPES	BERKS	well	Low
AbA	ABBOTTSTOWN SILT LOAM, 0 TO 3 PERCENT SLOPES	ABBOTTSTOWN	somewhat poorly	Very high
AbB	ABBOTTSTOWN SILT LOAM, 3 TO 8 PERCENT SLOPES	ABBOTTSTOWN	somewhat poorly	Very high
BeA	BEDINGTON SHALY SILT LOAM, 0 TO 3 PERCENT SLOPES	BEDINGTON	well	Low
BeB	BEDINGTON SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES	BEDINGTON	well	Medium
BeC	BEDINGTON SHALY SILT LOAM, 8 TO 15 PERCENT SLOPES	BEDINGTON	well	Medium
BeD	BEDINGTON SHALY SILT LOAM, 15 TO 25 PERCENT SLOPES	BEDINGTON	well	High
BkB	BERKS SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES	BERKS	well	Low (1)
BkC	BERKS SHALY SILT LOAM, 8 TO 15 PERCENT SLOPES	BERKS	well	Low (1)
BkD	BERKS SHALY SILT LOAM, 15 TO 25 PERCENT SLOPES	BERKS	well	Medium (1)
Bm	BOWMANSVILLE SILT LOAM	BOWMANSVILLE	poorly	Very high
BnB	BRECKNOCK CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	BRECKNOCK	well	Medium
BnC	BRECKNOCK CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	BRECKNOCK	well	Medium
BrA	BRINKERTON SILT LOAM, 0 TO 3 PERCENT SLOPES	BRINKERTON	poorly	Very high
BrB	BRINKERTON SILT LOAM, 3 TO 8 PERCENT SLOPES	BRINKERTON	poorly	Very high

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BwB	BUCHANAN GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	BUCHANAN	somewhat poorly	High
BxB	BUCHANAN EXTREMELY STONY LOAM, 3 TO 8 PERCENT SLOPES	BUCHANAN	somewhat poorly	High
BxC	BUCHANAN EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES	BUCHANAN	somewhat poorly	High
ByB	BUCKS SILT LOAM, 3 TO 8 PERCENT SLOPES	BUCKS	well	Medium (1)
CeB	CHESTER CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	CHESTER	well	Medium
CeC	CHESTER CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	CHESTER	well	Medium
ChC	CHESTER EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES	CHESTER	well	Medium
CkA	CLARKSBURG SILT LOAM, 0 TO 3 PERCENT SLOPES	CLARKSBURG	moderately well	Low
CkB	CLARKSBURG SILT LOAM, 3 TO 8 PERCENT SLOPES	CLARKSBURG	moderately well	Medium
CmA	COMLY SILT LOAM, 0 TO 3 PERCENT SLOPES	COMLY	moderately well	Low (1)
CmB	COMLY SILT LOAM, 3 TO 8 PERCENT SLOPES	COMLY	moderately well	Medium (1)
DfA	DUFFIELD SILT LOAM, 0 TO 3 PERCENT SLOPES	DUFFIELD	well	Low
DfB	DUFFIELD SILT LOAM, 3 TO 8 PERCENT SLOPES	DUFFIELD	well	Medium
DfC	DUFFIELD SILT LOAM, 8 TO 15 PERCENT SLOPES	DUFFIELD	well	Medium
Dp	DUMPS	DUMPS		---
HaA	HAGERSTOWN SILT LOAM, 0 TO 3 PERCENT SLOPES	HAGERSTOWN	well	Low
HaB	HAGERSTOWN SILT LOAM, 3 TO 8 PERCENT SLOPES	HAGERSTOWN	well	Medium
HbC	HAGERSTOWN SILTY CLAY LOAM, 8 TO 15 PERCENT SLOPES	HAGERSTOWN	well	Medium
HeB	HAGERSTOWN-ROCK OUTCROP COMPLEX, 3 TO 8 PERCENT SLOPES	HAGERSTOWN	well	Medium
HeB	HAGERSTOWN-ROCK OUTCROP COMPLEX, 3 TO 8 PERCENT SLOPES	ROCK OUTCROP		---
HeC	HAGERSTOWN-ROCK OUTCROP COMPLEX, 8 TO 25 PERCENT SLOPES	HAGERSTOWN	well	Medium

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HeC	HAGERSTOWN-ROCK OUTCROP COMPLEX, 8 TO 25 PERCENT SLOPES	ROCK OUTCROP		---
HHB	HAZLETON EXTREMELY STONY SANDY LOAM, GENTLY SLOPING	HAZLETON	well	Very low (1)
HHE	HAZLETON EXTREMELY STONY SANDY LOAM, STEEP	HAZLETON	well	Medium (1)
HLD	HAZLETON-LAIDIG ASSOCIATION, MODERATELY STEEP	HAZLETON	well	Low (1)
HLD	HAZLETON-LAIDIG ASSOCIATION, MODERATELY STEEP	LAIDIG	well	Medium
Ho	HOLLY SILT LOAM	HOLLY	poorly	Very high
KnB	KLINESVILLE SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES	KLINESVILLE	well	Low (1)
KnC	KLINESVILLE SHALY SILT LOAM, 8 TO 15 PERCENT SLOPES	KLINESVILLE	well	Low (1)
KnD	KLINESVILLE SHALY SILT LOAM, 15 TO 25 PERCENT SLOPES	KLINESVILLE	well	Medium (1)
LaB	LAIDIG CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	LAIDIG	well	Medium
LaC	LAIDIG CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	LAIDIG	well	Medium
LdB	LAIDIG EXTREMELY STONY LOAM, 3 TO 8 PERCENT SLOPES	LAIDIG	well	Medium
LdC	LAIDIG EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES	LAIDIG	well	Medium
LeB	LECK KILL SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES	LECK KILL	well	Low (1)
LeC	LECK KILL SHALY SILT LOAM, 8 TO 15 PERCENT SLOPES	LECK KILL	well	Low (1)
LfC	LECK KILL VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	LECK KILL	well	Low (1)
LhB	LEHIGH SILT LOAM, 2 TO 10 PERCENT SLOPES	LEHIGH	somewhat poorly	Very high
Ls	LINDSIDE SILT LOAM	LINDSIDE	moderately well	Low
MaA	MARKES SILT LOAM, 0 TO 5 PERCENT SLOPES	MARKES	poorly	Very high (1)
Me	MELVIN VARIANT SILT LOAM	MELVIN VARIANT	poorly	Very high
MoB	MOUNT LUCAS SILT LOAM, 3 TO 8 PERCENT SLOPES	MOUNT LUCAS	moderately well	High

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MsB	MOUNT LUCAS EXTREMELY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	MOUNT LUCAS	moderately well	High
MuB	MURRILL GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES	MURRILL	well	Medium
NeB	NESHAMINY GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES	NESHAMINY	well	High
NeC	NESHAMINY GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES	NESHAMINY	well	High
NhB	NESHAMINY EXTREMELY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	NESHAMINY	well	High
NhC	NESHAMINY EXTREMELY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	NESHAMINY	well	High
NHE	NESHAMINY EXTREMELY STONY SILT LOAM, STEEP	NESHAMINY	well	Very high
No	NOLIN VARIANT SILT LOAM	NOLIN VARIANT	well	Low
PeB	PENN SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES	PENN	well	Low
PeC	PENN SHALY SILT LOAM, 8 TO 15 PERCENT SLOPES	PENN	well	Low
Ph	PHILO SILT LOAM	PHILO	moderately well	Low
Po	POPE LOAM	POPE	well	Low
Qu	QUARRIES	QUARRIES		---
ReB	READINGTON SILT LOAM, 3 TO 8 PERCENT SLOPES	READINGTON	moderately well	Medium (1)
Ro	ROWLAND SILT LOAM	ROWLAND	moderately well	Low
Ru	RUBBLE LAND	RUBBLE LAND		---
ThA	THORNDALE SILT LOAM, 0 TO 3 PERCENT SLOPES	THORNDALE	poorly	Very high
ThB	THORNDALE SILT LOAM, 3 TO 8 PERCENT SLOPES	THORNDALE	poorly	Very high
UnB	UNGERS LOAM, 3 TO 8 PERCENT SLOPES	UNGERS	well	Medium (1)
UnC	UNGERS LOAM, 8 TO 15 PERCENT SLOPES	UNGERS	well	Medium (1)
UnD	UNGERS LOAM, 15 TO 25 PERCENT SLOPES	UNGERS	well	High (1)
UoB	UNGERS EXTREMELY STONY LOAM, 3 TO 8 PERCENT SLOPES	UNGERS	well	Medium (1)
UoC	UNGERS EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES	UNGERS	well	Medium (1)

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UPE	UNGERS AND CALVIN SOILS, STEEP	UNGERS	well	High (1)
UPE	UNGERS AND CALVIN SOILS, STEEP	CALVIN	well	Medium (1)
UR	URBAN LAND-BERKS COMPLEX	URBAN LAND	well	--- (1)
UR	URBAN LAND-BERKS COMPLEX	BERKS	well	Low (1)
US	URBAN LAND-HAGERSTOWN COMPLEX	URBAN LAND	well	--- (1)
US	URBAN LAND-HAGERSTOWN COMPLEX	HAGERSTOWN	well	Medium
W	WATER	WATER		---
WaA	WATCHUNG SILT LOAM, 0 TO 5 PERCENT SLOPES	WATCHUNG	poorly	Very high
WbB	WATCHUNG EXTREMELY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	WATCHUNG	poorly	Very high
WeB	WEIKERT SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES	WEIKERT	well	Low (1)
WeC	WEIKERT SHALY SILT LOAM, 8 TO 15 PERCENT SLOPES	WEIKERT	well	Low (1)
WeD	WEIKERT SHALY SILT LOAM, 15 TO 25 PERCENT SLOPES	WEIKERT	well	Medium (1)
WeE	WEIKERT SHALY SILT LOAM, 25 TO 50 PERCENT SLOPES	WEIKERT	well	Medium (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