

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

Lancaster County, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
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
1DfD	DUFFIELD-RYDER SILT LOAMS, 15 TO 25 PERCENT SLOPES	DUFFIELD	well	High
1DfD	DUFFIELD-RYDER SILT LOAMS, 15 TO 25 PERCENT SLOPES	RYDER	well	Medium
1EdB	EDGEMONT CHANNERY SANDY LOAM, 0 TO 8 PERCENT SLOPES, EXTREMELY STONY	EDGEMONT	well	Very low
1EdD	EDGEMONT CHANNERY SANDY LOAM, 8 TO 25 PERCENT SLOPES, EXTREMELY STONY	EDGEMONT	well	Low
1EdF	EDGEMONT CHANNERY SANDY LOAM, 25 TO 60 PERCENT SLOPES, EXTREMELY STONY	EDGEMONT	well	Medium
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
1GfD	GLADSTONE GRAVELLY SILT LOAM, 8 TO 25 PERCENT SLOPES, VERY BOULDERY	GLADSTONE	well	Low
1GfF	GLADSTONE GRAVELLY SILT LOAM, 25 TO 55 PERCENT SLOPES, VERY BOULDERY	GLADSTONE	well	Medium
1JnB	JOANNA LOAM, 3 TO 8 PERCENT SLOPES	JOANNA	well	Medium
1JnC	JOANNA LOAM, 8 TO 15 PERCENT SLOPES	JOANNA	well	Medium
1JnD	JOANNA LOAM, 15 TO 25 PERCENT SLOPES	JOANNA	well	High
1JpB	JOANNA LOAM, 0 TO 8 PERCENT SLOPES, EXTREMELY STONY	JOANNA	well	Low
1JpD	JOANNA LOAM, 8 TO 25 PERCENT SLOPES, EXTREMELY STONY	JOANNA	well	Medium
1JpF	JOANNA LOAM, 25 TO 60 PERCENT SLOPES, EXTREMELY STONY	JOANNA	well	High
1LmB	LEHIGH SILT LOAM, 3 TO 8 PERCENT SLOPES	LEHIGH	moderately well	Very high
1Me	MIDDLEBURY SILT LOAM	MIDDLEBURY	moderately well	Very high
1MlB	MOUNT LUCAS SILT LOAM, 3 TO 8 PERCENT SLOPES	MOUNT LUCAS	moderately well	High
1MuB	MURRILL GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	MURRILL	well	Medium

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1MuC	MURRILL GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	MURRILL	well	Medium
1NaB	NESHAMINY SILT LOAM, 3 TO 8 PERCENT SLOPES	NESHAMINY	well	High
1NaC	NESHAMINY SILT LOAM, 8 TO 15 PERCENT SLOPES	NESHAMINY	well	High
1NhB	NESHAMINY GRAVELLY SILT LOAM, 0 TO 8 PERCENT SLOPES, EXTREMELY BOULDERY	NESHAMINY	well	Medium
1NhD	NESHAMINY GRAVELLY SILT LOAM, 8 TO 25 PERCENT SLOPES, EXTREMELY BOULDERY	NESHAMINY	well	High
1ToA	TOWHEE SILT LOAM, 0 TO 3 PERCENT SLOPES	TOWHEE	poorly	Very high
AbB	ABBOTTSTOWN SILT LOAM, 3 TO 8 PERCENT SLOPES	ABBOTTSTOWN	somewhat poorly	Very high
AsB	ABBOTTSTOWN EXTREMELY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	ABBOTTSTOWN	somewhat poorly	Very high
Ba	BAILE SILT LOAM	BAILE	poorly	Very high
BdA	BEDINGTON SILT LOAM, 0 TO 3 PERCENT SLOPES	BEDINGTON	well	Low
BdB	BEDINGTON SILT LOAM, 3 TO 8 PERCENT SLOPES	BEDINGTON	well	Medium
BdC	BEDINGTON SILT LOAM, 8 TO 15 PERCENT SLOPES	BEDINGTON	well	Medium
BeD	BEDINGTON CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	BEDINGTON	well	High
Bm	BLAIRTON SILT LOAM, 3 TO 10 PERCENT SLOPES	BLAIRTON	moderately well	High (1)
Bo	BOWMANVILLE SILT LOAM	BOWMANVILLE	somewhat poorly	Very high
BrB	BRECKNOCK GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES	BRECKNOCK	well	Medium (1)
BrC	BRECKNOCK GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES	BRECKNOCK	well	Medium (1)
BsB	BRECKNOCK VERY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	BRECKNOCK	well	Medium (1)
BsC	BRECKNOCK VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	BRECKNOCK	well	Medium (1)
BuA	BUCKS SILT LOAM, 0 TO 3 PERCENT SLOPES	BUCKS	well	Low (1)
BuB	BUCKS SILT LOAM, 3 TO 8 PERCENT SLOPES	BUCKS	well	Medium (1)
BuC	BUCKS SILT LOAM, 8 TO 15 PERCENT SLOPES	BUCKS	well	Medium (1)

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BuD	BUCKS SILT LOAM, 15 TO 25 PERCENT SLOPES	BUCKS	well	High (1)
BxC	BUCKS VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	BUCKS	well	Medium (1)
CbA	CHESTER SILT LOAM, 0 TO 3 PERCENT SLOPES	CHESTER	well	Low
CbB	CHESTER SILT LOAM, 3 TO 8 PERCENT SLOPES	CHESTER	well	Medium
CbC	CHESTER SILT LOAM, 8 TO 15 PERCENT SLOPES	CHESTER	well	Medium
CkA	CLARKSBURG SILT LOAM, 0 TO 5 PERCENT SLOPES	CLARKSBURG	moderately well	Low
ClB	CLYMER VERY STONY LOAM, 3 TO 8 PERCENT SLOPES	CLYMER	well	Medium
ClD	CLYMER VERY STONY LOAM, 8 TO 25 PERCENT SLOPES	CLYMER	well	High
ClF	CLYMER VERY STONY LOAM, 25 TO 50 PERCENT SLOPES	CLYMER	well	High
Cm	COMUS SILT LOAM	COMUS	well	Low
CnA	CONESTOGA SILT LOAM, 0 TO 3 PERCENT SLOPES	CONESTOGA	well	Low
CnB	CONESTOGA SILT LOAM, 3 TO 8 PERCENT SLOPES	CONESTOGA	well	Medium
CnC	CONESTOGA SILT LOAM, 8 TO 15 PERCENT SLOPES	CONESTOGA	well	Medium
DAM	DAMS	DAMS		High
DbA	DUFFIELD SILT LOAM, 0 TO 3 PERCENT SLOPES	DUFFIELD	well	Low
DbB	DUFFIELD SILT LOAM, 3 TO 8 PERCENT SLOPES	DUFFIELD	well	Medium
EcA	ELK SILT LOAM, 0 TO 3 PERCENT SLOPES	ELK	well	Low
EcB	ELK SILT LOAM, 3 TO 8 PERCENT SLOPES	ELK	well	Medium
EcC	ELK SILT LOAM, 8 TO 15 PERCENT SLOPES	ELK	well	Medium
Eu	ELK-URBAN LAND COMPLEX	ELK	well	Medium
Eu	ELK-URBAN LAND COMPLEX	URBAN LAND		---
Ff	FLUVAQUENTS AND UDIFLUVENTS, LOAMY	FLUVAQUENTS	somewhat poorly	Very high
Ff	FLUVAQUENTS AND UDIFLUVENTS, LOAMY	UDIFLUVENTS	moderately well	Low
GbB	GLENELG SILT LOAM, 3 TO 8 PERCENT SLOPES	GLENELG	well	Medium

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GbC	GLENELG SILT LOAM, 8 TO 15 PERCENT SLOPES	GLENELG	well	Medium
GbD	GLENELG SILT LOAM, 15 TO 25 PERCENT SLOPES	GLENELG	well	High
GdB	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	GLENVILLE	moderately well	High
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
HbD	HAGERSTOWN SILTY CLAY LOAM, 15 TO 30 PERCENT SLOPES	HAGERSTOWN	well	High
Hc	HAGERSTOWN-URBAN LAND COMPLEX	HAGERSTOWN	well	Medium
Hc	HAGERSTOWN-URBAN LAND COMPLEX	URBAN LAND		Medium
HfA	HOLLINGER SILT LOAM, 0 TO 3 PERCENT SLOPES	HOLLINGER	well	Low
HfB	HOLLINGER SILT LOAM, 3 TO 8 PERCENT SLOPES	HOLLINGER	well	Medium
HfC	HOLLINGER SILT LOAM, 8 TO 15 PERCENT SLOPES	HOLLINGER	well	Medium
HfD	HOLLINGER SILT LOAM, 15 TO 25 PERCENT SLOPES	HOLLINGER	well	High
Hg	HOLLY SILT LOAM	HOLLY	poorly	Very high
LaB	LANSDALE LOAM, 3 TO 8 PERCENT SLOPES	LANSDALE	well	Medium (1)
LaC	LANSDALE LOAM, 8 TO 15 PERCENT SLOPES	LANSDALE	well	Medium (1)
LaD	LANSDALE LOAM, 15 TO 25 PERCENT SLOPES	LANSDALE	well	High (1)
LbB	LEHIGH SILT LOAM, 3 TO 8 PERCENT SLOPES	LEHIGH	moderately well	Very high (1)
LbC	LEHIGH SILT LOAM, 8 TO 15 PERCENT SLOPES	LEHIGH	moderately well	Very high (1)
LdA	LETORT SILT LOAM, 0 TO 3 PERCENT SLOPES	LETORT	well	Low
LdB	LETORT SILT LOAM, 3 TO 8 PERCENT SLOPES	LETORT	well	Medium
LdC	LETORT SILT LOAM, 8 TO 15 PERCENT SLOPES	LETORT	well	Medium
Lg	LINDEN SILT LOAM	LINDEN	well	Very low
Ln	LINDSIDE SILT LOAM	LINDSIDE	moderately well	Low

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MaB	MANOR SILT LOAM, 3 TO 8 PERCENT SLOPES	MANOR	well	Medium
MaC	MANOR SILT LOAM, 8 TO 15 PERCENT SLOPES	MANOR	well	Medium
MaD	MANOR SILT LOAM, 15 TO 25 PERCENT SLOPES	MANOR	well	High
MbB	MANOR VERY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	MANOR	well	Medium
MbD	MANOR VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	MANOR	well	High
MbF	MANOR VERY STONY SILT LOAM, 25 TO 60 PERCENT SLOPES	MANOR	well	High
MdB	MOUNT LUCAS SILT LOAM, 3 TO 8 PERCENT SLOPES	MOUNT LUCAS	moderately well	High
MeB	MOUNT LUCAS VERY STONY SILT LOAM, 3 TO 12 PERCENT SLOPES	MOUNT LUCAS	moderately well	High
Nc	NEWARK SILT LOAM	NEWARK	somewhat poorly	Very high
Nd	NEWARK SILT LOAM, SCHIST SUBSTRATUM	NEWARK	somewhat poorly	Very high
Ne	NOLIN SILT LOAM	NOLIN	well	Low
Pa	PENLAW SILT LOAM	PENLAW	somewhat poorly	Very high
PeC	PEQUEA SILT LOAM, 8 TO 15 PERCENT SLOPES	PEQUEA	well	Low (1)
PeD	PEQUEA SILT LOAM, 15 TO 25 PERCENT SLOPES	PEQUEA	well	Medium (1)
PeE	PEQUEA SILT LOAM, 25 TO 50 PERCENT SLOPES	PEQUEA	well	Medium (1)
Qu	PITS, QUARRY	PITS		---
RaB	READINGTON SILT LOAM, 3 TO 10 PERCENT SLOPES	READINGTON	moderately well	Medium (1)
RbB	READINGTON EXTREMELY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	READINGTON	moderately well	Medium (1)
Rc	ROCK OUTCROP	ROCK OUTCROP		--- (1)
Rd	ROWLAND SILT LOAM	ROWLAND	moderately well	Low
UaB	UNGERS LOAM, 3 TO 8 PERCENT SLOPES	UNGERS	well	Medium (1)
UaC	UNGERS LOAM, 8 TO 15 PERCENT SLOPES	UNGERS	well	Medium (1)
UaD	UNGERS LOAM, 15 TO 25 PERCENT SLOPES	UNGERS	well	High (1)
UbB	UNGERS EXTREMELY STONY LOAM, 3 TO 8 PERCENT SLOPES	UNGERS	well	Medium (1)

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UbD	UNGERS EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES	UNGERS	well	High (1)
UbE	UNGERS EXTREMELY STONY LOAM, 25 TO 50 PERCENT SLOPES	UNGERS	well	High (1)
Uc	URBAN LAND	URBAN LAND		---
Ud	UDORTHENTS, LOAMY	UDORTHENTS	well	Low
W	WATER	WATER		---
WbB	WATCHUNG EXTREMELY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	WATCHUNG	poorly	Very high

(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