

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

Lehigh County, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
AbC	ABBOTTSTOWN SILT LOAM, 8 TO 15 PERCENT SLOPES	ABBOTTSTOWN	somewhat poorly	Very high
AfA	ALLENWOOD SILT LOAM, 0 TO 3 PERCENT SLOPES	ALLENWOOD	well	Low
AfB	ALLENWOOD SILT LOAM, 3 TO 8 PERCENT SLOPES	ALLENWOOD	well	Medium
AnA	ANDOVER-BUCHANAN GRAVELLY LOAMS, 0 TO 3 PERCENT SLOPES	ANDOVER	poorly	Very high
AnA	ANDOVER-BUCHANAN GRAVELLY LOAMS, 0 TO 3 PERCENT SLOPES	BUCHANAN	moderately well	Medium
AnB	ANDOVER-BUCHANAN GRAVELLY LOAMS, 3 TO 8 PERCENT SLOPES	ANDOVER	poorly	Very high
AnB	ANDOVER-BUCHANAN GRAVELLY LOAMS, 3 TO 8 PERCENT SLOPES	BUCHANAN	moderately well	High
AoB	ANDOVER-BUCHANAN GRAVELLY LOAMS, 0 TO 8 PERCENT SLOPES, EXTREMELY STONY	ANDOVER	poorly	Very high
AoB	ANDOVER-BUCHANAN GRAVELLY LOAMS, 0 TO 8 PERCENT SLOPES, EXTREMELY STONY	BUCHANAN	moderately well	Medium
ArA	ARENDTSTVILLE GRAVELLY SILT LOAM, 0 TO 3 PERCENT SLOPES	ARENDTSTVILLE	well	Very low
ArB	ARENDTSTVILLE GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES	ARENDTSTVILLE	well	Low
ArC	ARENDTSTVILLE GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES	ARENDTSTVILLE	well	Low
ArD	ARENDTSTVILLE GRAVELLY SILT LOAM, 15 TO 25 PERCENT SLOPES	ARENDTSTVILLE	well	Medium
BfA	BEDINGTON-BERKS COMPLEX, 0 TO 3 PERCENT SLOPES	BEDINGTON	well	Very low (1)
BfA	BEDINGTON-BERKS COMPLEX, 0 TO 3 PERCENT SLOPES	BERKS	well	Very low
BfB	BEDINGTON-BERKS COMPLEX, 3 TO 8 PERCENT SLOPES	BEDINGTON	well	Low (1)
BfB	BEDINGTON-BERKS COMPLEX, 3 TO 8 PERCENT SLOPES	BERKS	well	Low
BfC	BEDINGTON-BERKS COMPLEX, 8 TO 15 PERCENT SLOPES	BEDINGTON	well	Low (1)
BfC	BEDINGTON-BERKS COMPLEX, 8 TO 15 PERCENT SLOPES	BERKS	well	Low
BhD	BERKS-BEDINGTON COMPLEX, 15 TO 25 PERCENT SLOPES	BERKS	well	Medium

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BhD	BERKS-BEDINGTON COMPLEX, 15 TO 25 PERCENT SLOPES	BEDINGTON	well	Medium (1)
BkA	BERKS-WEIKERT COMPLEX, 0 TO 3 PERCENT SLOPES	BERKS	well	Very low
BkA	BERKS-WEIKERT COMPLEX, 0 TO 3 PERCENT SLOPES	WEIKERT	somewhat excessively	Very low
BkB	BERKS-WEIKERT COMPLEX, 3 TO 8 PERCENT SLOPES	BERKS	well	Low
BkB	BERKS-WEIKERT COMPLEX, 3 TO 8 PERCENT SLOPES	WEIKERT	somewhat excessively	Low
BkC	BERKS-WEIKERT COMPLEX, 8 TO 15 PERCENT SLOPES	BERKS	well	Low
BkC	BERKS-WEIKERT COMPLEX, 8 TO 15 PERCENT SLOPES	WEIKERT	somewhat excessively	Low
BkD	BERKS-WEIKERT COMPLEX, 15 TO 25 PERCENT SLOPES	BERKS	well	Medium
BkD	BERKS-WEIKERT COMPLEX, 15 TO 25 PERCENT SLOPES	WEIKERT	somewhat excessively	Medium
BkF	BERKS-WEIKERT COMPLEX, 25 TO 60 PERCENT SLOPES	BERKS	well	Medium
BkF	BERKS-WEIKERT COMPLEX, 25 TO 60 PERCENT SLOPES	WEIKERT	somewhat excessively	Medium
BmA	BIRDSBORO SILT LOAM, 0 TO 3 PERCENT SLOPES	BIRDSBORO	moderately well	Low
BmB	BIRDSBORO SILT LOAM, 3 TO 8 PERCENT SLOPES	BIRDSBORO	moderately well	Medium
Bo	BOWMANVILLE-KNAUERS SILT LOAMS	BOWMANVILLE	poorly	Very high
Bo	BOWMANVILLE-KNAUERS SILT LOAMS	KNAUERS	poorly	Medium
BtA	BRINKERTON-COMLY SILT LOAMS, 0 TO 3 PERCENT SLOPES	BRINKERTON	poorly	Very high
BtA	BRINKERTON-COMLY SILT LOAMS, 0 TO 3 PERCENT SLOPES	COMLY	moderately well	Low
BtB	BRINKERTON-COMLY SILT LOAMS, 3 TO 8 PERCENT SLOPES	BRINKERTON	poorly	Very high
BtB	BRINKERTON-COMLY SILT LOAMS, 3 TO 8 PERCENT SLOPES	COMLY	moderately well	Medium
BuB	BUCHANAN GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	BUCHANAN	moderately well	High

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BvB	BUCHANAN GRAVELLY LOAM, 0 TO 8 PERCENT SLOPES, EXTREMELY STONY	BUCHANAN	moderately well	Medium
BvD	BUCHANAN GRAVELLY LOAM, 8 TO 25 PERCENT SLOPES, EXTREMELY STONY	BUCHANAN	moderately well	High
BwB	BUCKINGHAM SILT LOAM, 3 TO 8 PERCENT SLOPES	BUCKINGHAM	somewhat poorly	Very high
CaB	CALVIN-KLINESVILLE CHANNERY SILT LOAMS, 3 TO 8 PERCENT SLOPES	CALVIN	well	Low
CaB	CALVIN-KLINESVILLE CHANNERY SILT LOAMS, 3 TO 8 PERCENT SLOPES	KLINESVILLE	somewhat excessively	Medium
CaC	CALVIN-KLINESVILLE CHANNERY SILT LOAMS, 8 TO 15 PERCENT SLOPES	CALVIN	well	Low
CaC	CALVIN-KLINESVILLE CHANNERY SILT LOAMS, 8 TO 15 PERCENT SLOPES	KLINESVILLE	somewhat excessively	Medium
CaD	CALVIN-KLINESVILLE CHANNERY SILT LOAMS, 15 TO 25 PERCENT SLOPES	CALVIN	well	Medium
CaD	CALVIN-KLINESVILLE CHANNERY SILT LOAMS, 15 TO 25 PERCENT SLOPES	KLINESVILLE	somewhat excessively	High
CmA	CLARKSBURG SILT LOAM, 0 TO 3 PERCENT SLOPES	CLARKSBURG	moderately well	Low
CmB	CLARKSBURG SILT LOAM, 3 TO 8 PERCENT SLOPES	CLARKSBURG	moderately well	Medium
CpA	COMLY SILT LOAM, 0 TO 3 PERCENT SLOPES	COMLY	moderately well	Low
CpB	COMLY SILT LOAM, 3 TO 8 PERCENT SLOPES	COMLY	moderately well	Medium
CwA	CROTON SILT LOAM, 0 TO 3 PERCENT SLOPES	CROTON	poorly	Very high
CwB	CROTON SILT LOAM, 3 TO 8 PERCENT SLOPES	CROTON	poorly	Very 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
DfC	DUFFIELD-RYDER SILT LOAMS, 8 TO 15 PERCENT SLOPES	DUFFIELD	well	Medium
DfC	DUFFIELD-RYDER SILT LOAMS, 8 TO 15 PERCENT SLOPES	RYDER	well	Low
DfD	DUFFIELD-RYDER SILT LOAMS, 15 TO 25 PERCENT SLOPES	DUFFIELD	well	High
DfD	DUFFIELD-RYDER SILT LOAMS, 15 TO 25 PERCENT SLOPES	RYDER	well	Medium

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EdD	EDGEMONT CHANNERY SANDY LOAM, 8 TO 25 PERCENT SLOPES, EXTREMELY STONY	EDGEMONT	well	Low
EhB	EDGEMONT CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	EDGEMONT	well	Low
EhC	EDGEMONT CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	EDGEMONT	well	Low
EhD	EDGEMONT CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	EDGEMONT	well	Medium
Fb	FLUVAQUENTS	FLUVAQUENTS	poorly	Very high
Gc	GIBRALTAR SILT LOAM	GIBRALTAR	well	Low
GeA	GLADSTONE GRAVELLY SILT LOAM, 0 TO 3 PERCENT SLOPES	GLADSTONE	well	Medium
GeB	GLADSTONE GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES	GLADSTONE	well	High
GeC	GLADSTONE GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES	GLADSTONE	well	High
GeD	GLADSTONE GRAVELLY SILT LOAM, 15 TO 25 PERCENT SLOPES	GLADSTONE	well	Very high
GfB	GLADSTONE GRAVELLY SILT LOAM, 0 TO 8 PERCENT SLOPES, VERY BOULDERY	GLADSTONE	well	Low
GfD	GLADSTONE GRAVELLY SILT LOAM, 8 TO 25 PERCENT SLOPES, VERY BOULDERY	GLADSTONE	well	Low
GfF	GLADSTONE GRAVELLY SILT LOAM, 25 TO 55 PERCENT SLOPES, VERY BOULDERY	GLADSTONE	well	Medium
GnA	GLENVILLE SILT LOAM, 0 TO 3 PERCENT SLOPES	GLENVILLE	moderately well	Medium
GnB	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	GLENVILLE	moderately well	High
GnC	GLENVILLE SILT LOAM, 8 TO 15 PERCENT SLOPES	GLENVILLE	moderately well	High
HeB	HAZLETON VERY CHANNERY LOAM, 0 TO 8 PERCENT SLOPES, EXTREMELY STONY	HAZLETON	well	Very low
HeD	HAZLETON VERY CHANNERY LOAM, 8 TO 25 PERCENT SLOPES, EXTREMELY STONY	HAZLETON	well	Low
HeF	HAZLETON VERY CHANNERY LOAM, 25 TO 60 PERCENT SLOPES, EXTREMELY STONY	HAZLETON	well	Medium
HgF	HAZLETON-RUBBLE LAND COMPLEX, 25 TO 60 PERCENT SLOPES	HAZLETON	well	Medium

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HgF	HAZLETON-RUBBLE LAND COMPLEX, 25 TO 60 PERCENT SLOPES	RUBBLE LAND	excessively	Low
Ho	HOLLY SILT LOAM	HOLLY	poorly	Very high
KlF	KLINESVILLE-CALVIN CHANNERY SILT LOAMS, 25 TO 50 PERCENT SLOPES	KLINESVILLE	somewhat excessively	High
KlF	KLINESVILLE-CALVIN CHANNERY SILT LOAMS, 25 TO 50 PERCENT SLOPES	CALVIN	well	Medium
LaB	LAIDIG GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	LAIDIG	well	Medium
LaC	LAIDIG GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	LAIDIG	well	Medium
LaD	LAIDIG GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES	LAIDIG	well	High
LbB	LAIDIG VERY GRAVELLY LOAM, 0 TO 8 PERCENT SLOPES, EXTREMELY STONY	LAIDIG	well	Low
LbD	LAIDIG VERY GRAVELLY LOAM, 8 TO 25 PERCENT SLOPES, EXTREMELY STONY	LAIDIG	well	Medium
LbF	LAIDIG VERY GRAVELLY LOAM, 25 TO 55 PERCENT SLOPES, EXTREMELY STONY	LAIDIG	well	High
LdF	LAIDIG-RUBBLE LAND COMPLEX, 25 TO 55 PERCENT SLOPES	LAIDIG	well	High
LdF	LAIDIG-RUBBLE LAND COMPLEX, 25 TO 55 PERCENT SLOPES	RUBBLE LAND	excessively	---
LfA	LAMINGTON SILT LOAM, 0 TO 3 PERCENT SLOPES	LAMINGTON	poorly	Very high
LmB	LEHIGH CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	LEHIGH	moderately well	Very high
LmC	LEHIGH CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	LEHIGH	moderately well	Very high
Lv	LINDEN LOAM	LINDEN	well	Very low
Me	MIDDLEBURY SILT LOAM	MIDDLEBURY	moderately well	Very high
MgB	MONONGAHELA SILT LOAM, 3 TO 8 PERCENT SLOPES	MONONGAHELA	moderately well	Medium
MlB	MOUNT LUCAS SILT LOAM, 3 TO 8 PERCENT SLOPES	MOUNT LUCAS	moderately well	High
MlC	MOUNT LUCAS SILT LOAM, 8 TO 15 PERCENT SLOPES	MOUNT LUCAS	moderately well	High
MuB	MURRILL GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	MURRILL	well	Medium

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MuC	MURRILL GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	MURRILL	well	Medium
NaB	NESHAMINY SILT LOAM, 3 TO 8 PERCENT SLOPES	NESHAMINY	well	High
NaC	NESHAMINY SILT LOAM, 8 TO 15 PERCENT SLOPES	NESHAMINY	well	High
NaD	NESHAMINY SILT LOAM, 15 TO 25 PERCENT SLOPES	NESHAMINY	well	Very high
NhB	NESHAMINY GRAVELLY SILT LOAM, 0 TO 8 PERCENT SLOPES, EXTREMELY BOULDERY	NESHAMINY	well	Medium
NhD	NESHAMINY GRAVELLY SILT LOAM, 8 TO 25 PERCENT SLOPES, EXTREMELY BOULDERY	NESHAMINY	well	High
NhF	NESHAMINY GRAVELLY SILT LOAM, 25 TO 60 PERCENT SLOPES, EXTREMELY BOULDERY	NESHAMINY	well	Very high
PeB	PENN CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	PENN	well	Low
PeC	PENN CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	PENN	well	Low
PeD	PENN CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	PENN	well	Medium
PkC	PENN-KLINESVILLE CHANNERY SILT LOAMS, 8 TO 15 PERCENT SLOPES	PENN	well	Low
PkC	PENN-KLINESVILLE CHANNERY SILT LOAMS, 8 TO 15 PERCENT SLOPES	KLINESVILLE	somewhat excessively	Medium
PkD	PENN-KLINESVILLE CHANNERY SILT LOAMS, 15 TO 25 PERCENT SLOPES	PENN	well	Medium
PkD	PENN-KLINESVILLE CHANNERY SILT LOAMS, 15 TO 25 PERCENT SLOPES	KLINESVILLE	somewhat excessively	High
Qu	QUARRIES	QUARRIES		---
ReA	READINGTON SILT LOAM, 0 TO 3 PERCENT SLOPES	READINGTON	moderately well	Low
ReB	READINGTON SILT LOAM, 3 TO 8 PERCENT SLOPES	READINGTON	moderately well	Medium
ThA	THORNDALE-PENLAW SILT LOAMS, 0 TO 3 PERCENT SLOPES	THORNDALE	poorly	Very high
ThA	THORNDALE-PENLAW SILT LOAMS, 0 TO 3 PERCENT SLOPES	PENLAW	somewhat poorly	Very high
ToA	TOWHEE SILT LOAM, 0 TO 3 PERCENT SLOPES	TOWHEE	poorly	Very high
ToB	TOWHEE SILT LOAM, 3 TO 8 PERCENT SLOPES	TOWHEE	poorly	Very high

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TpB	TOWHEE-GLENVILLE SILT LOAMS, 0 TO 8 PERCENT SLOPES, EXTREMELY STONY	TOWHEE	poorly	Very high
TpB	TOWHEE-GLENVILLE SILT LOAMS, 0 TO 8 PERCENT SLOPES, EXTREMELY STONY	GLENVILLE	somewhat poorly	Medium
TwB	TOWHEE SILT LOAM, 0 TO 8 PERCENT SLOPES, VERY STONY	TOWHEE	poorly	Very high
Ua	UDORTHENTS	UDORTHENTS	well	Very high (1)
UgB	URBAN LAND, 0 TO 8 PERCENT SLOPES	URBAN LAND		--- (1)
UgC	URBAN LAND, 8 TO 15 PERCENT SLOPES	URBAN LAND		--- (1)
Uh	URBAN LAND, OCCASIONALLY FLOODED	URBAN LAND		---
UkB	URBAN LAND-BERKS COMPLEX, 0 TO 8 PERCENT SLOPES	URBAN LAND		---
UkB	URBAN LAND-BERKS COMPLEX, 0 TO 8 PERCENT SLOPES	BERKS	well	Very low
UkD	URBAN LAND-BERKS COMPLEX, 8 TO 25 PERCENT SLOPES	URBAN LAND		---
UkD	URBAN LAND-BERKS COMPLEX, 8 TO 25 PERCENT SLOPES	BERKS	well	Low
UmB	URBAN LAND-DUFFIELD COMPLEX, 0 TO 8 PERCENT SLOPES	URBAN LAND		--- (1)
UmB	URBAN LAND-DUFFIELD COMPLEX, 0 TO 8 PERCENT SLOPES	DUFFIELD	well	Low
UmD	URBAN LAND-DUFFIELD COMPLEX, 8 TO 25 PERCENT SLOPES	URBAN LAND		--- (1)
UmD	URBAN LAND-DUFFIELD COMPLEX, 8 TO 25 PERCENT SLOPES	DUFFIELD	well	Medium
UnB	URBAN LAND-GLADSTONE COMPLEX, 0 TO 8 PERCENT SLOPES	URBAN LAND		--- (1)
UnB	URBAN LAND-GLADSTONE COMPLEX, 0 TO 8 PERCENT SLOPES	GLADSTONE	well	Medium
UnD	URBAN LAND-GLADSTONE COMPLEX, 8 TO 25 PERCENT SLOPES	URBAN LAND		--- (1)
UnD	URBAN LAND-GLADSTONE COMPLEX, 8 TO 25 PERCENT SLOPES	GLADSTONE	well	High
UsB	URBAN LAND-LAIDIG COMPLEX, 0 TO 8 PERCENT SLOPES	URBAN LAND		--- (1)
UsB	URBAN LAND-LAIDIG COMPLEX, 0 TO 8 PERCENT SLOPES	LAIDIG	well	Low

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UsD	URBAN LAND-LAIDIG COMPLEX, 8 TO 25 PERCENT SLOPES	URBAN LAND		--- (1)
UsD	URBAN LAND-LAIDIG COMPLEX, 8 TO 25 PERCENT SLOPES	LAIDIG	well	Medium
UvB	URBAN LAND-NESHAMINY COMPLEX, 0 TO 8 PERCENT SLOPES	URBAN LAND		--- (1)
UvB	URBAN LAND-NESHAMINY COMPLEX, 0 TO 8 PERCENT SLOPES	NESHAMINY	well	Medium
UxB	URBAN LAND-PENN COMPLEX, 0 TO 8 PERCENT SLOPES	URBAN LAND		--- (1)
UxB	URBAN LAND-PENN COMPLEX, 0 TO 8 PERCENT SLOPES	PENN	well	Very low
W	WATER	WATER		---
WaA	WASHINGTON SILT LOAM, 0 TO 3 PERCENT SLOPES	WASHINGTON	well	Low
WaB	WASHINGTON SILT LOAM, 3 TO 8 PERCENT SLOPES	WASHINGTON	well	Medium
WaC	WASHINGTON SILT LOAM, 8 TO 15 PERCENT SLOPES	WASHINGTON	well	Medium
WaD	WASHINGTON SILT LOAM, 15 TO 25 PERCENT SLOPES	WASHINGTON	well	High
WeB	WEIKERT-BERKS COMPLEX, 3 TO 8 PERCENT SLOPES	WEIKERT	somewhat excessively	Low
WeB	WEIKERT-BERKS COMPLEX, 3 TO 8 PERCENT SLOPES	BERKS	well	Low
WeD	WEIKERT-BERKS COMPLEX, 15 TO 25 PERCENT SLOPES	WEIKERT	somewhat excessively	Medium
WeD	WEIKERT-BERKS COMPLEX, 15 TO 25 PERCENT SLOPES	BERKS	well	Medium

(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