

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

Montgomery County, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
AbA	ABBOTTSTOWN SILT LOAM, 0 TO 3 PERCENT SLOPES	ABBOTTSTOWN	somewhat poorly	Very high (1)
AbB2	ABBOTTSTOWN SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	ABBOTTSTOWN	somewhat poorly	Very high (1)
B1B2	BELTSVILLE SILT LOAM, 2 TO 6 PERCENT SLOPES, MODERATELY ERODED	BELTSVILLE	somewhat poorly	Medium
Bm	BERMUDIAN SILT LOAM	BERMUDIAN	well	Very low
BnA	BIRDSBORO SILT LOAM, 0 TO 3 PERCENT SLOPES	BIRDSBORO	well	Low
BnB2	BIRDSBORO SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	BIRDSBORO	well	Medium
Bo	BOULDERY ALLUVIAL LAND	BOULDERY ALLUVIAL LA	somewhat poorly	---
Bp	BOWMANVILLE SILT LOAM	BOWMANVILLE	poorly	Very high
BrA	BOWMANVILLE SILT LOAM, LOCAL ALLUVIUM, 0 TO 3 PERCENT SLOPES	BOWMANVILLE	poorly	Very high
BrB	BOWMANVILLE SILT LOAM, LOCAL ALLUVIUM, 3 TO 8 PERCENT SLOPES	BOWMANVILLE	poorly	Very high
BsB2	BRECKNOCK CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	BRECKNOCK	well	Medium (1)
BsC2	BRECKNOCK CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	BRECKNOCK	well	Medium (1)
BsD2	BRECKNOCK CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED	BRECKNOCK	well	High (1)
BtC	BRECKNOCK SOILS, VERY CHANNERY SUBSOIL VARIANT, 8 TO 15 PERCENT SLOPES	BRECKNOCK VARIANT	well	Medium (1)
BtD	BRECKNOCK SOILS, VERY CHANNERY SUBSOIL VARIANT, 15 TO 25 PERCENT SLOPES	BRECKNOCK VARIANT	well	High (1)
BvD	BRECKNOCK VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	BRECKNOCK	well	Medium (1)
CfA	CHALFONT SILT LOAM, 0 TO 3 PERCENT SLOPES	CHALFONT	somewhat poorly	Very high
CfB2	CHALFONT SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	CHALFONT	somewhat poorly	Very high
CgA2	CHESTER SILT LOAM, 0 TO 3 PERCENT SLOPES, MODERATELY ERODED	CHESTER	well	Low
CgB2	CHESTER SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	CHESTER	well	Medium
Ch	CODORUS SILT LOAM	CODORUS	moderately well	Low

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CrA	CROTON SILT LOAM, 0 TO 3 PERCENT SLOPES	CROTON	poorly	Very high
CrB2	CROTON SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	CROTON	poorly	Very high
CsB	CROTON VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	CROTON	poorly	Very high
DsA	DOYLESTOWN SILT LOAM, 0 TO 3 PERCENT SLOPES	DOYLESTOWN	poorly	Very high (1)
DsB2	DOYLESTOWN SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	DOYLESTOWN	poorly	Very high (1)
DuB2	DUFFIELD SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	DUFFIELD	well	Medium
DuC2	DUFFIELD SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	DUFFIELD	well	Medium
DuC3	DUFFIELD SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	DUFFIELD	well	Medium
EcB2	EDGEMONT CHANNERY LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	EDGEMONT	well	Low
EcC2	EDGEMONT CHANNERY LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	EDGEMONT	well	Low
EcD2	EDGEMONT CHANNERY LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED	EDGEMONT	well	Medium
EsD	EDGEMONT VERY STONY LOAM, 8 TO 25 PERCENT SLOPES	EDGEMONT	well	Low
GnB2	GLENELG SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	GLENELG	well	Medium
GnC2	GLENELG SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	GLENELG	well	Medium
GnD2	GLENELG SILT LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED	GLENELG	well	High
GsA	GLENVILLE SILT LOAM, 0 TO 3 PERCENT SLOPES	GLENVILLE	somewhat poorly	Low
GsB2	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	GLENVILLE	somewhat poorly	Medium
Ha	HATBORO SILT LOAM	HATBORO	poorly	Very high
HwB2	HOWELL SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	HOWELL	well	High
KlB2	KLINESVILLE SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	KLINESVILLE	somewhat excessively	Low (1)

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KsB3	KLINESVILLE VERY SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	KLINESVILLE	somewhat excessively	Low (1)
KsC3	KLINESVILLE VERY SHALY SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	KLINESVILLE	somewhat excessively	Low (1)
KsE3	KLINESVILLE VERY SHALY SILT LOAM, 15 TO 35 PERCENT SLOPES, SEVERELY ERODED	KLINESVILLE	somewhat excessively	Medium (1)
LaB3	LANSDALE LOAM, THIN, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	LANSDALE	well	Medium (1)
LaC3	LANSDALE LOAM, THIN, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	LANSDALE	well	Medium (1)
LaE3	LANSDALE LOAM, THIN, 15 TO 35 PERCENT SLOPES, SEVERELY ERODED	LANSDALE	well	High (1)
LdA2	LANSDALE SILT LOAM, 0 TO 3 PERCENT SLOPES, MODERATELY ERODED	LANSDALE	well	Very low
LdB2	LANSDALE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	LANSDALE	well	Low
LdC2	LANSDALE SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	LANSDALE	well	Low
LeA	LAWRENCEVILLE SILT LOAM, 0 TO 3 PERCENT SLOPES	LAWRENCEVILLE	moderately well	Very high
LeB2	LAWRENCEVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	LAWRENCEVILLE	moderately well	Very high
LgC3	LEGORE CLAY LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	LEGORE	well	Medium (1)
LgD3	LEGORE CLAY LOAM, 15 TO 30 PERCENT SLOPES, SEVERELY ERODED	LEGORE	well	High (1)
LhA2	LEHIGH CHANNERY SILT LOAM, 0 TO 3 PERCENT SLOPES, MODERATELY ERODED	LEHIGH	somewhat poorly	Very high (1)
LhB2	LEHIGH CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	LEHIGH	somewhat poorly	Very high (1)
LhB3	LEHIGH CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	LEHIGH	somewhat poorly	Very high (1)
LhC2	LEHIGH CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	LEHIGH	somewhat poorly	Very high (1)
LhC3	LEHIGH CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	LEHIGH	somewhat poorly	Very high (1)
LsB	LEHIGH VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	LEHIGH	somewhat poorly	Very high (1)
LsD	LEHIGH VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	LEHIGH	somewhat poorly	Very high (1)

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Ma	MADE LAND, DIABASE, GABBRO MATERIALS	MADE LAND	moderately well	---
Mb	MADE LAND, LAND FILL AND SEDIMENT BASINS	MADE LAND		---
Mc	MADE LAND, LIMESTONE MATERIALS	MADE LAND		---
MdB	MADE LAND, SCHIST AND GNEISS MATERIALS, SLOPING	MADE LAND		---
MdD	MADE LAND, SCHIST AND GNEISS MATERIALS, STRONGLY SLOPING	MADE LAND		---
MeB	MADE LAND, SHALE AND SANDSTONE MATERIALS, SLOPING	MADE LAND		---
MeD	MADE LAND, SHALE AND SANDSTONE MATERIALS, STRONGLY SLOPING	MADE LAND		---
MhB2	MANOR CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	MANOR	well	Medium
MhC2	MANOR CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	MANOR	well	Medium
MhE2	MANOR CHANNERY SILT LOAM, 15 TO 35 PERCENT SLOPES, MODERATELY ERODED	MANOR	well	High
MnB	MANOR VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	MANOR	well	Low
MnD	MANOR VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	MANOR	well	Medium
MoA	MOUNT LUCAS SILT LOAM, 0 TO 3 PERCENT SLOPES	MOUNT LUCAS	moderately well	Medium
MoB2	MOUNT LUCAS SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	MOUNT LUCAS	moderately well	High
MoC2	MOUNT LUCAS SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	MOUNT LUCAS	moderately well	High
Mp	MINES AND PITS	MINES AND PITS		---
MuB	MOUNT LUCAS VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	MOUNT LUCAS	moderately well	Very high
MuD	MOUNT LUCAS VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	MOUNT LUCAS	moderately well	High
MvB2	MURRILL GRAVELLY SILT LOAM, 3 TO 10 PERCENT SLOPES, MODERATELY ERODED	MURRILL	well	Medium
NeB	NESHAMINY EXTREMELY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	NESHAMINY	well	Medium (1)
NhB2	NESHAMINY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	NESHAMINY	well	High (1)

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NhC2	NESHAMINY SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	NESHAMINY	well	High (1)
NhD2	NESHAMINY SILT LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED	NESHAMINY	well	Very high (1)
NsB	NESHAMINY VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	NESHAMINY	well	Medium (1)
NsD	NESHAMINY VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	NESHAMINY	well	High (1)
PaB2	PENN SHALY SILT LOAM, NEUTRAL SUBSTRATUM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	PENN	somewhat excessively	Low (1)
PaB3	PENN SHALY SILT LOAM, NEUTRAL SUBSTRATUM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	PENN	somewhat excessively	Low (1)
PaC3	PENN SHALY SILT LOAM, NEUTRAL SUBSTRATUM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	PENN	somewhat excessively	Low (1)
PeA2	PENN SILT LOAM, 0 TO 3 PERCENT SLOPES, MODERATELY ERODED	PENN	well	Very low (1)
PeB2	PENN SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	PENN	well	Low (1)
PeB3	PENN SILT LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	PENN	well	Low (1)
PeC2	PENN SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	PENN	well	Low (1)
PeC3	PENN SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	PENN	well	Low (1)
PfD	PENN VERY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	PENN	well	Low (1)
PkD3	PENN-KLINESVILLE VERY SHALY SILT LOAMS, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	PENN	well	Medium (1)
PkD3	PENN-KLINESVILLE VERY SHALY SILT LOAMS, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	KLINESVILLE	somewhat excessively	Medium (1)
PlB2	PENN-LANSDALE LOAMS, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	PENN	well	Low (1)
PlB2	PENN-LANSDALE LOAMS, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	LANSDALE	well	Medium (1)
PlB3	PENN-LANSDALE LOAMS, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	PENN	well	Low (1)

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P1B3	PENN-LANSDALE LOAMS, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	LANSDALE	well	Medium (1)
P1C2	PENN-LANSDALE LOAMS, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	PENN	well	Low (1)
P1C2	PENN-LANSDALE LOAMS, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	LANSDALE	well	Medium (1)
P1C3	PENN-LANSDALE LOAMS, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	PENN	well	Low (1)
P1C3	PENN-LANSDALE LOAMS, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	LANSDALE	well	Medium (1)
P1D3	PENN-LANSDALE LOAMS, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	PENN	well	Medium (1)
P1D3	PENN-LANSDALE LOAMS, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	LANSDALE	well	High (1)
RaA	RARITAN SILT LOAM, 0 TO 3 PERCENT SLOPES	RARITAN	somewhat poorly	Low
RaB2	RARITAN SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	RARITAN	somewhat poorly	Medium
ReA	READINGTON SILT LOAM, 0 TO 3 PERCENT SLOPES	READINGTON	moderately well	Low (1)
ReB2	READINGTON SILT LOAM, 3 TO 8 PERCENT SLOPES MODERATELY ERODED	READINGTON	moderately well	Medium (1)
ReC2	READINGTON SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	READINGTON	moderately well	Medium (1)
RsA2	REAVILLE SHALY SILT LOAM, 0 TO 3 PERCENT SLOPES, MODERATELY ERODED	REAVILLE	somewhat poorly	Very high (1)
RsB2	REAVILLE SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	REAVILLE	somewhat poorly	Very high (1)
RsB3	REAVILLE SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	REAVILLE	somewhat poorly	Very high (1)
RsC3	REAVILLE SHALY SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	REAVILLE	somewhat poorly	Very high (1)
Rt	ROWLAND SILT LOAM	ROWLAND	somewhat poorly	Very high
Ru	ROWLAND SILT LOAM, COAL OVERWASH	ROWLAND	somewhat poorly	Low
RwA	ROWLAND SILT LOAM, LOCAL ALLUVIUM, 0 TO 3 PERCENT SLOPES	ROWLAND	somewhat poorly	Low (1)
RwB	ROWLAND SILT LOAM, LOCAL ALLUVIUM, 3 TO 8 PERCENT SLOPES	ROWLAND	somewhat poorly	Medium (1)
StE	STONY LAND, STEEP	STONY LAND	somewhat poorly	---

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WaA	WATCHUNG SILT LOAM, 0 TO 3 PERCENT SLOPES	WATCHUNG	poorly	Very high
WaB	WATCHUNG SILT LOAM, 3 TO 8 PERCENT SLOPES	WATCHUNG	poorly	Very high
Wc	WATCHUNG VERY STONY SILT LOAM	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