

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

Bucks and Philadelphia Counties, 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
AbB	ABBOTTSTOWN SILT LOAM, 3 TO 8 PERCENT SLOPES	ABBOTTSTOWN	somewhat poorly	Very high
AbC	ABBOTTSTOWN SILT LOAM, 8 TO 15 PERCENT SLOPES	ABBOTTSTOWN	somewhat poorly	Very high
AdB	ALLENWOOD GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES	ALLENWOOD	well	Medium
AdC	ALLENWOOD GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES	ALLENWOOD	well	Medium
AdD	ALLENWOOD GRAVELLY SILT LOAM, 15 TO 25 PERCENT SLOPES	ALLENWOOD	well	High
Ae	ALLUVIAL LAND	ALLUVIAL LAND	somewhat poorly	Very high
Ae	ALLUVIAL LAND	FLUVAQUENTS, POORLY DRAINED		---
AgA	ALTON GRAVELLY LOAM, 0 TO 3 PERCENT SLOPES	ALTON	well	Very low
AgB	ALTON GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	ALTON	well	Low
AlA	ALTON GRAVELLY LOAM, FLOODED, 0 TO 5 PERCENT SLOPES	ALTON	well	Very low
BeA	BEDINGTON SILT LOAM, 0 TO 3 PERCENT SLOPES	BEDINGTON	well	Low
BeB	BEDINGTON SILT LOAM, 3 TO 8 PERCENT SLOPES	BEDINGTON	well	Medium
BeC	BEDINGTON SILT LOAM, 8 TO 15 PERCENT SLOPES	BEDINGTON	well	Medium
Bo	BOWMANVILLE SILT LOAM	BOWMANVILLE	somewhat poorly	Very high
Bo	BOWMANVILLE SILT LOAM	BOWMANVILLE, LOCAL	somewhat poorly	Very high
C-F	CUT AND FILL LAND	CUT AND FILL LAND		---
CaA	CHALFONT SILT LOAM, 0 TO 3 PERCENT SLOPES	CHALFONT	somewhat poorly	Very high
CaB	CHALFONT SILT LOAM, 3 TO 8 PERCENT SLOPES	CHALFONT	somewhat poorly	Very high
CeA	CHESTER SILT LOAM, 0 TO 3 PERCENT SLOPES	CHESTER	well	Low
CeB	CHESTER SILT LOAM, 3 TO 8 PERCENT SLOPES	CHESTER	well	Medium

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

Bucks and Philadelphia Counties, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
CeC	CHESTER SILT LOAM, 8 TO 15 PERCENT SLOPES	CHESTER	well	Medium
CeD	CHESTER SILT LOAM, 15 TO 25 PERCENT SLOPES	CHESTER	well	High
ChD	CHESTER EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES	CHESTER	well	Medium
ClB	CLARKSBURG SILT LOAM, 2 TO 6 PERCENT SLOPES	CLARKSBURG	moderately well	Low
CwB	CULLEOKA-WEIKERT SHALY SILT LOAMS, 3 TO 8 PERCENT SLOPES	CULLEOKA	well	Low
CwB	CULLEOKA-WEIKERT SHALY SILT LOAMS, 3 TO 8 PERCENT SLOPES	WEIKERT	somewhat excessively	Low
CwC	CULLEOKA-WEIKERT SHALY SILT LOAMS, 8 TO 15 PERCENT SLOPES	CULLEOKA	well	Low
CwC	CULLEOKA-WEIKERT SHALY SILT LOAMS, 8 TO 15 PERCENT SLOPES	WEIKERT	somewhat excessively	Low
DoA	DOYLESTOWN SILT LOAM, 0 TO 3 PERCENT SLOPES	DOYLESTOWN	poorly	Very high
DoB	DOYLESTOWN SILT LOAM, 3 TO 8 PERCENT SLOPES	DOYLESTOWN	poorly	Very high
DsB	DUFFIELD SILT LOAM, 2 TO 8 PERCENT SLOPES	DUFFIELD	well	Medium
DtC	DUFFIELD AND WASHINGTON SOILS, 8 TO 20 PERCENT SLOPES	DUFFIELD	well	Medium
DtC	DUFFIELD AND WASHINGTON SOILS, 8 TO 20 PERCENT SLOPES	WASHINGTON	well	Medium
DuA	DUNCANNON SILT LOAM, 0 TO 3 PERCENT SLOPES	DUNCANNON	well	Low
DuB	DUNCANNON SILT LOAM, 3 TO 8 PERCENT SLOPES	DUNCANNON	well	Medium
Fa	FALLSINGTON SILT LOAM, GRAVELLY SUBSOIL VARIANT	FALLSINGTON VARIANT	poorly	Very high
Ha	HATBORO SILT LOAM	HATBORO	poorly	Very high
HoA	HOWELL SILT LOAM, 0 TO 3 PERCENT SLOPES	HOWELL	well	Medium
HoB	HOWELL SILT LOAM, 3 TO 8 PERCENT SLOPES	HOWELL	well	High
KlB	KLINESVILLE VERY SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES	KLINESVILLE	somewhat excessively	Medium
KlC	KLINESVILLE VERY SHALY SILT LOAM, 8 TO 15 PERCENT SLOPES	KLINESVILLE	somewhat excessively	Medium

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

Bucks and Philadelphia Counties, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
K1D	KLINESVILLE VERY SHALY SILT LOAM, 15 TO 25 PERCENT SLOPES	KLINESVILLE	somewhat excessively	High
LaA	LANSDALE LOAM, 0 TO 3 PERCENT SLOPES	LANSDALE	well	Low
LaB	LANSDALE LOAM, 3 TO 8 PERCENT SLOPES	LANSDALE	well	Medium
LaC	LANSDALE LOAM, 8 TO 15 PERCENT SLOPES	LANSDALE	well	Medium
LaD	LANSDALE LOAM, 15 TO 25 PERCENT SLOPES	LANSDALE	well	High
LdB	LANSDALE EXTREMELY STONY LOAM, 0 TO 8 PERCENT SLOPES	LANSDALE	well	Low
LdD	LANSDALE EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES	LANSDALE	well	Medium
LdE	LANSDALE EXTREMELY STONY LOAM, 25 TO 50 PERCENT SLOPES	LANSDALE	well	High
LgA	LAWRENCEVILLE SILT LOAM, 0 TO 3 PERCENT SLOPES	LAWRENCEVILLE	moderately well	Low
LgB	LAWRENCEVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	LAWRENCEVILLE	moderately well	Medium
LhB	LEHIGH CHANNERY SILT LOAM, 2 TO 8 PERCENT SLOPES	LEHIGH	somewhat poorly	Very high
LhC	LEHIGH CHANNERY SILT LOAM, 8 TO 18 PERCENT SLOPES	LEHIGH	somewhat poorly	Very high
L1D	LEHIGH EXTREMELY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	LEHIGH	somewhat poorly	Very high
MaB	MANOR LOAM, 3 TO 8 PERCENT SLOPES	MANOR	well	Medium
MaC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	MANOR	well	Medium
MaD	MANOR LOAM, 15 TO 25 PERCENT SLOPES	MANOR	well	High
MbD	MANOR EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES	MANOR	well	Medium
McE	MANOR AND CHESTER EXTREMELY STONY LOAMS, 25 TO 50 PERCENT SLOPES	MANOR	well	High
McE	MANOR AND CHESTER EXTREMELY STONY LOAMS, 25 TO 50 PERCENT SLOPES	CHESTER	well	High
Mh	MARSH	MARSH	very poorly	Medium
M1A	MOUNT LUCAS SILT LOAM, 0 TO 3 PERCENT SLOPES	MOUNT LUCAS	moderately well	Medium
M1B	MOUNT LUCAS SILT LOAM, 3 TO 8 PERCENT SLOPES	MOUNT LUCAS	moderately well	High

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

Bucks and Philadelphia Counties, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
M1C	MOUNT LUCAS SILT LOAM, 8 TO 15 PERCENT SLOPES	MOUNT LUCAS	moderately well	High
MoB	MOUNT LUCAS EXTREMELY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	MOUNT LUCAS	moderately well	Medium
MoD	MOUNT LUCAS EXTREMELY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	MOUNT LUCAS	moderately well	High
NeB	NESHAMINY CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	NESHAMINY	well	High
NeC	NESHAMINY CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	NESHAMINY	well	High
NhB	NESHAMINY EXTREMELY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	NESHAMINY	well	Medium
NhD	NESHAMINY EXTREMELY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	NESHAMINY	well	High
NhE	NESHAMINY EXTREMELY STONY SILT LOAM, 25 TO 50 PERCENT SLOPES	NESHAMINY	well	Very high
PeA	PENN SILT LOAM, 0 TO 3 PERCENT SLOPES	PENN	well	Very low
PeB	PENN SILT LOAM, 3 TO 8 PERCENT SLOPES	PENN	well	Low
PeC	PENN SILT LOAM, 8 TO 15 PERCENT SLOPES	PENN	well	Low
PeD	PENN SILT LOAM, 15 TO 25 PERCENT SLOPES	PENN	well	Medium
PhB3	PENN-KLINESVILLE SHALY SILT LOAMS, 3 TO 8 PERCENT SLOPES, ERODED	PENN	well	Low
PhB3	PENN-KLINESVILLE SHALY SILT LOAMS, 3 TO 8 PERCENT SLOPES, ERODED	KLINESVILLE	somewhat excessively	Medium
PkC3	PENN-KLINESVILLE COMPLEX, 8 TO 15 PERCENT SLOPES, ERODED	PENN	well	Low
PkC3	PENN-KLINESVILLE COMPLEX, 8 TO 15 PERCENT SLOPES, ERODED	KLINESVILLE	somewhat excessively	Medium
PlD	PENN-KLINESVILLE EXTREMELY STONY SILT LOAMS, 8 TO 25 PERCENT SLOPES	PENN	well	Low
PlD	PENN-KLINESVILLE EXTREMELY STONY SILT LOAMS, 8 TO 25 PERCENT SLOPES	KLINESVILLE	somewhat excessively	Low
PlE	PENN-KLINESVILLE EXTREMELY STONY SILT LOAMS, 25 TO 50 PERCENT SLOPES	PENN	well	Medium
PlE	PENN-KLINESVILLE EXTREMELY STONY SILT LOAMS, 25 TO 50 PERCENT SLOPES	KLINESVILLE	somewhat excessively	Medium
PnB	PENN-LANSDALE COMPLEX, 3 TO 8 PERCENT SLOPES	PENN	well	Low

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

Bucks and Philadelphia Counties, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
PnB	PENN-LANSDALE COMPLEX, 3 TO 8 PERCENT SLOPES	LANSDALE	well	Medium
PnC	PENN-LANSDALE COMPLEX, 8 TO 15 PERCENT SLOPES	PENN	well	Low
PnC	PENN-LANSDALE COMPLEX, 8 TO 15 PERCENT SLOPES	LANSDALE	well	Medium
PoA	POPE LOAM, 0 TO 5 PERCENT SLOPES	POPE	well	Low
PpA	POPE LOAM, TERRACE, 0 TO 3 PERCENT SLOPES	POPE	well	Low
PpB	POPE LOAM, TERRACE, 3 TO 10 PERCENT SLOPES	POPE	well	Medium
Qu	QUARRIES AND GRAVEL PITS	QUARRIES AND GRAVEL		---
RdA	READINGTON SILT LOAM, 0 TO 3 PERCENT SLOPES	READINGTON	moderately well	Low
RdB	READINGTON SILT LOAM, 3 TO 8 PERCENT SLOPES	READINGTON	moderately well	Medium
RdC	READINGTON SILT LOAM, 8 TO 15 PERCENT SLOPES	READINGTON	moderately well	Medium
ReA	REAVILLE SHALY SILT LOAM, 0 TO 3 PERCENT SLOPES	REAVILLE	somewhat poorly	High
ReB	REAVILLE SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES	REAVILLE	somewhat poorly	Very high
ReC	REAVILLE SHALY SILT LOAM, 8 TO 15 PERCENT SLOPES	REAVILLE	somewhat poorly	Very high
Ro	ROWLAND SILT LOAM	ROWLAND	somewhat poorly	Low
StB	STEINSBURG GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	STEINSBURG	well	Low
StC	STEINSBURG GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	STEINSBURG	well	Low
StD	STEINSBURG GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES	STEINSBURG	well	Medium
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
TwB	TOWHEE EXTREMELY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	TOWHEE	poorly	Very high
Ub	URBAN LAND	URBAN LAND		--- (1)
Uc	URBAN LAND-ABBOTTSTOWN COMPLEX	URBAN LAND		--- (1)

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

Bucks and Philadelphia Counties, Pennsylvania				
MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
Uc	URBAN LAND-ABBOTTSTOWN COMPLEX	ABBOTTSTOWN	somewhat poorly	Very high
UdB	URBAN LAND-CHESTER COMPLEX, 0 TO 8 PERCENT SLOPES	URBAN LAND		--- (1)
UdB	URBAN LAND-CHESTER COMPLEX, 0 TO 8 PERCENT SLOPES	CHESTER	well	Low
UdC	URBAN LAND-CHESTER COMPLEX, 8 TO 15 PERCENT SLOPES	URBAN LAND		--- (1)
UdC	URBAN LAND-CHESTER COMPLEX, 8 TO 15 PERCENT SLOPES	CHESTER	well	Medium
Uh	URBAN LAND-HOWELL COMPLEX	URBAN LAND		--- (1)
Uh	URBAN LAND-HOWELL COMPLEX	HOWELL	well	High
U1B	URBAN LAND-LANSDALE COMPLEX, 0 TO 8 PERCENT SLOPES	URBAN LAND		--- (1)
U1B	URBAN LAND-LANSDALE COMPLEX, 0 TO 8 PERCENT SLOPES	LANSDALE	well	Low
U1C	URBAN LAND-LANSDALE COMPLEX, 8 TO 15 PERCENT SLOPES	URBAN LAND		--- (1)
U1C	URBAN LAND-LANSDALE COMPLEX, 8 TO 15 PERCENT SLOPES	LANSDALE	well	Medium
UrA	URBANA SILT LOAM, 0 TO 3 PERCENT SLOPES	URBANA	moderately well	High
UrB	URBANA SILT LOAM, 3 TO 8 PERCENT SLOPES	URBANA	moderately well	Very high
w	WATER	WATER		---
WaB	WASHINGTON GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES	WASHINGTON	well	Medium
WcD	WEIKERT-CULLEOKA SHALY SILT LOAMS, 15 TO 25 PERCENT SLOPES	WEIKERT	somewhat excessively	Medium
WcD	WEIKERT-CULLEOKA SHALY SILT LOAMS, 15 TO 25 PERCENT SLOPES	CULLEOKA	well	Medium
WoA	WOODSTOWN SILT LOAM, 0 TO 5 PERCENT SLOPES	WOODSTOWN	moderately well	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