

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

Bedford County, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
AbB	ALBRIGHTS SILT LOAM, 3 TO 8 PERCENT SLOPES	ALBRIGHTS	moderately well	Medium
AbC	ALBRIGHTS SILT LOAM, 8 TO 15 PERCENT SLOPES	ALBRIGHTS	moderately well	Medium
AeB	ALLEGHENY LOAM, 3 TO 8 PERCENT SLOPES	ALLEGHENY	well	Medium
AeC	ALLEGHENY LOAM, 8 TO 15 PERCENT SLOPES	ALLEGHENY	well	Medium
ArB	ANDOVER COBBLY LOAM, 3 TO 8 PERCENT SLOPES	ANDOVER	poorly	Very high
ArC	ANDOVER COBBLY LOAM, 8 TO 15 PERCENT SLOPES	ANDOVER	poorly	Very high
AvB	ANDOVER COBBLY SANDY LOAM, 0 TO 8 PERCENT SLOPES, VERY STONY	ANDOVER	poorly	Very high
AvC	ANDOVER COBBLY SANDY LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	ANDOVER	poorly	Very high
Aw	ATKINS SILT LOAM	ATKINS	poorly	Very high
Ax	ATKINS-ERNEST COMPLEX, 0 TO 8 PERCENT SLOPES	ATKINS	poorly	Very high
Ax	ATKINS-ERNEST COMPLEX, 0 TO 8 PERCENT SLOPES	ERNEST	moderately well	Medium
Ba	BASHER SILT LOAM	BASHER	moderately well	Low
BbB	BASHER-BIRDSBORO COMPLEX, 0 TO 8 PERCENT SLOPES	BASHER	moderately well	Low
BbB	BASHER-BIRDSBORO COMPLEX, 0 TO 8 PERCENT SLOPES	BIRDSBORO	well	Medium
BcC	BEDINGTON-BERKS COMPLEX, 8 TO 15 PERCENT SLOPES	BEDINGTON	well	Medium
BcC	BEDINGTON-BERKS COMPLEX, 8 TO 15 PERCENT SLOPES	BERKS	well	Low (1)
BcD	BEDINGTON-BERKS COMPLEX, 15 TO 25 PERCENT SLOPES	BEDINGTON	well	High
BcD	BEDINGTON-BERKS COMPLEX, 15 TO 25 PERCENT SLOPES	BERKS	well	Medium (1)
BdC	BEDINGTON-BERKS COMPLEX, 8 TO 15 PERCENT SLOPES, VERY STONY	BEDINGTON	well	Medium
BdC	BEDINGTON-BERKS COMPLEX, 8 TO 15 PERCENT SLOPES, VERY STONY	BERKS	well	Low (1)
BdD	BEDINGTON-BERKS COMPLEX, 15 TO 25 PERCENT SLOPES, VERY STONY	BEDINGTON	well	High

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BdD	BEDINGTON-BERKS COMPLEX, 15 TO 25 PERCENT SLOPES, VERY STONY	BERKS	well	Medium (1)
BdE	BEDINGTON-BERKS COMPLEX, 25 TO 35 PERCENT SLOPES, VERY STONY	BEDINGTON	well	High
BdE	BEDINGTON-BERKS COMPLEX, 25 TO 35 PERCENT SLOPES, VERY STONY	BERKS	well	Medium (1)
BkB	BERKS CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	BERKS	well	Low (1)
BkC	BERKS CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	BERKS	well	Low (1)
BkD	BERKS CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	BERKS	well	Medium (1)
BkE	BERKS CHANNERY SILT LOAM, 25 TO 35 PERCENT SLOPES	BERKS	well	Medium (1)
Bm	BIRDSBORO SILT LOAM, RARELY FLOODED	BIRDSBORO	moderately well	Low
BrB	BLAIRTON CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	BLAIRTON	moderately well	Very high (1)
BrC	BLAIRTON CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	BLAIRTON	moderately well	Very high (1)
BrD	BLAIRTON CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	BLAIRTON	moderately well	Very high (1)
BtA	BRINKERTON SILT LOAM, 0 TO 3 PERCENT SLOPES	BRINKERTON	poorly	Very high
BtB	BRINKERTON SILT LOAM, 3 TO 8 PERCENT SLOPES	BRINKERTON	poorly	Very high
BtC	BRINKERTON SILT LOAM, 8 TO 15 PERCENT SLOPES	BRINKERTON	poorly	Very high
BuB	BUCHANAN COBBLY LOAM, 3 TO 8 PERCENT SLOPES	BUCHANAN	moderately well	High
BuC	BUCHANAN COBBLY LOAM, 8 TO 15 PERCENT SLOPES	BUCHANAN	moderately well	High
BwB	BUCHANAN COBBLY LOAM, 3 TO 8 PERCENT SLOPES, EXTREMELY STONY	BUCHANAN	moderately well	High
BwC	BUCHANAN COBBLY LOAM, 8 TO 15 PERCENT SLOPES, EXTREMELY STONY	BUCHANAN	moderately well	High
BwD	BUCHANAN COBBLY LOAM, 15 TO 25 PERCENT SLOPES, EXTREMELY STONY	BUCHANAN	moderately well	High
CaB	CALVIN CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	CALVIN	well	Low (1)

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CaC	CALVIN CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	CALVIN	well	Low (1)
CaD	CALVIN CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	CALVIN	well	Medium (1)
CeC	CEDARCREEK EXTREMELY CHANNERY LOAM, 3 TO 25 PERCENT SLOPES, VERY STONY	CEDARCREEK	well	Low
CeF	CEDARCREEK EXTREMELY CHANNERY LOAM, 25 TO 80 PERCENT SLOPES, VERY STONY	CEDARCREEK	well	Medium
CkB	CLARKSBURG SILT LOAM, 3 TO 8 PERCENT SLOPES	CLARKSBURG	moderately well	Medium
CoB	COOKPORT LOAM, 3 TO 8 PERCENT SLOPES	COOKPORT	moderately well	High
CpB	COOKPORT VERY STONY LOAM, 3 TO 8 PERCENT SLOPES	COOKPORT	moderately well	High
CrF	CEDARCREEK EXTREMELY CHANNERY LOAM, 25 TO 80 PERCENT SLOPES	CEDARCREEK	well	Medium
DAM	DAMS	Dams		--- (1)
DkC	DYSTROCREPTS-ROCK OUTCROP COMPLEX, 3 TO 15 PERCENT SLOPES	DYSTROCHREPTS	well	Very low (1)
DkE	DYSTROCREPTS-ROCK OUTCROP COMPLEX, 15 TO 35 PERCENT SLOPES	DYSTROCHREPTS	well	Low (1)
DkF	DYSTROCREPTS-ROCK OUTCROP COMPLEX, 35 TO 70 PERCENT SLOPES	DYSTROCHREPTS	well	Low (1)
EdB	EDOM SILTY CLAY LOAM, 3 TO 8 PERCENT SLOPES	EDOM	well	Medium (1)
EdC	EDOM SILTY CLAY LOAM, 8 TO 15 PERCENT SLOPES	EDOM	well	Medium (1)
EdD	EDOM SILTY CLAY LOAM, 15 TO 25 PERCENT SLOPES	EDOM	well	High (1)
ElB	ELLIBER VERY CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	ELLIBER	well	Low
ElC	ELLIBER VERY CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	ELLIBER	well	Low
ElD	ELLIBER VERY CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	ELLIBER	well	Medium
ElE	ELLIBER VERY CHANNERY LOAM, 25 TO 45 PERCENT SLOPES	ELLIBER	well	Medium
ErB	ERNEST SILT LOAM, 0 TO 8 PERCENT SLOPES	ERNEST	moderately well	Medium
ErC	ERNEST SILT LOAM, 8 TO 15 PERCENT SLOPES	ERNEST	moderately well	Medium

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HeB	HAGERSTOWN SILT LOAM, 3 TO 8 PERCENT SLOPES	HAGERSTOWN	well	Medium
HeC	HAGERSTOWN SILT LOAM, 8 TO 15 PERCENT SLOPES	HAGERSTOWN	well	Medium
HgC	HAGERSTOWN SILTY CLAY LOAM, 8 TO 15 PERCENT SLOPES	HAGERSTOWN	well	Medium
HgD	HAGERSTOWN SILTY CLAY LOAM, 15 TO 25 PERCENT SLOPES	HAGERSTOWN	well	High
HnB	HAGERSTOWN SILTY CLAY LOAM, 3 TO 8 PERCENT SLOPES, VERY ROCKY	HAGERSTOWN	well	Medium
HnC	HAGERSTOWN SILTY CLAY LOAM, 8 TO 15 PERCENT SLOPES, VERY ROCKY	HAGERSTOWN	well	Medium
HnD	HAGERSTOWN SILTY CLAY LOAM, 15 TO 25 PERCENT SLOPES, VERY ROCKY	HAGERSTOWN	well	High
HTB	HAZLETON VERY STONY SANDY LOAM, 3 TO 8 PERCENT SLOPES	HAZLETON	well	Low
HTC	HAZLETON-CLYMER ASSOCIATION, 8 TO 25 PERCENT SLOPES, EXTREMELY STONY	HAZLETON	well	Low
HTC	HAZLETON-CLYMER ASSOCIATION, 8 TO 25 PERCENT SLOPES, EXTREMELY STONY	CLYMER	well	Medium
HTE	HAZLETON-CLYMER ASSOCIATION, 25 TO 45 PERCENT SLOPES, EXTREMELY STONY	HAZLETON	well	Medium
HTE	HAZLETON-CLYMER ASSOCIATION, 25 TO 45 PERCENT SLOPES, EXTREMELY STONY	CLYMER	well	High
HwB	HUSTONTOWN SILT LOAM, 3 TO 8 PERCENT SLOPES	HUSTONTOWN	moderately well	Medium
Hy	HOLLY SILT LOAM	HOLLY	poorly	Very high
KlC	KLINESVILLE CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	KLINESVILLE	well	Low (1)
KlD	KLINESVILLE CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	KLINESVILLE	well	Medium (1)
KmE	KLINESVILLE AND CALVIN SOILS, 25 TO 50 PERCENT SLOPES	KLINESVILLE	well	Medium (1)
KoF	KLINESVILLE-ROCK OUTCROP COMPLEX, 35 TO 80 PERCENT SLOPES	KLINESVILLE	well	Medium (1)
LdB	LAIDIG COBBLY LOAM, 3 TO 8 PERCENT SLOPES	LAIDIG	well	Medium
LdC	LAIDIG COBBLY LOAM, 8 TO 15 PERCENT SLOPES	LAIDIG	well	Medium

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LdD	LAIDIG COBBLY LOAM, 15 TO 25 PERCENT SLOPES	LAIDIG	well	High
LeC	LECK KILL CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	LECK KILL	well	Low
LgC	LAIDIG COBBLY LOAM, 8 TO 15 PERCENT SLOPES, EXTREMELY STONY	LAIDIG	well	Medium
LgD	LAIDIG COBBLY LOAM, 15 TO 25 PERCENT SLOPES, EXTREMELY STONY	LAIDIG	well	High
LgE	LAIDIG COBBLY LOAM, 25 TO 35 PERCENT SLOPES, EXTREMELY STONY	LAIDIG	well	High
LkB	LECK KILL-CALVIN COMPLEX, 3 TO 8 PERCENT SLOPES	LECK KILL	well	Low
LkB	LECK KILL-CALVIN COMPLEX, 3 TO 8 PERCENT SLOPES	CALVIN	well	Low (1)
LkC	LECK KILL-CALVIN COMPLEX, 8 TO 15 PERCENT SLOPES	LECK KILL	well	Low
LkC	LECK KILL-CALVIN COMPLEX, 8 TO 15 PERCENT SLOPES	CALVIN	well	Low (1)
LkD	LECK KILL-CALVIN COMPLEX, 15 TO 25 PERCENT SLOPES	LECK KILL	well	Medium
LkD	LECK KILL-CALVIN COMPLEX, 15 TO 25 PERCENT SLOPES	CALVIN	well	Medium (1)
Lx	LOBDELL LOAM	LOBDELL	moderately well	Low
McB	MECKESVILLE GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	MECKESVILLE	well	Medium
McC	MECKESVILLE GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	MECKESVILLE	well	Medium
MdC	MECKESVILLE GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	MECKESVILLE	well	Medium
MdD	MECKESVILLE GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	MECKESVILLE	well	High
MdE	MECKESVILLE GRAVELLY LOAM, 25 TO 35 PERCENT SLOPES, VERY STONY	MECKESVILLE	well	High
MhC	MERTZ CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	MERTZ	well	High
MoA	MONONGAHELA SILT LOAM, 0 TO 3 PERCENT SLOPES	MONONGAHELA	moderately well	Low
MoB	MONONGAHELA SILT LOAM, 3 TO 8 PERCENT SLOPES	MONONGAHELA	moderately well	Medium

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MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
MrB	MORRISON CHANNERY SANDY LOAM, 3 TO 8 PERCENT SLOPES	MORRISON	well	Low
MrC	MORRISON CHANNERY SANDY LOAM, 8 TO 15 PERCENT SLOPES	MORRISON	well	Low
MrD	MORRISON CHANNERY SANDY LOAM, 15 TO 25 PERCENT SLOPES	MORRISON	well	Medium
MsB	MORRISON CHANNERY SANDY LOAM, 3 TO 8 PERCENT SLOPES, VERY STONY	MORRISON	well	Low
MsC	MORRISON CHANNERY SANDY LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	MORRISON	well	Low
MsD	MORRISON CHANNERY SANDY LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	MORRISON	well	Medium
MtB	MORRISON-MURRILL COMPLEX, 3 TO 8 PERCENT SLOPES, VERY STONY	MORRISON	well	Low
MtB	MORRISON-MURRILL COMPLEX, 3 TO 8 PERCENT SLOPES, VERY STONY	MURRILL	well	Medium
MtC	MORRISON-MURRILL COMPLEX, 8 TO 15 PERCENT SLOPES, VERY STONY	MORRISON	well	Low
MtC	MORRISON-MURRILL COMPLEX, 8 TO 15 PERCENT SLOPES, VERY STONY	MURRILL	well	Medium
MtD	MORRISON-MURRILL COMPLEX, 15 TO 25 PERCENT SLOPES, VERY STONY	MORRISON	well	Medium
MtD	MORRISON-MURRILL COMPLEX, 15 TO 25 PERCENT SLOPES, VERY STONY	MURRILL	well	High
MuB	MURRILL CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	MURRILL	well	Medium
MuC	MURRILL CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	MURRILL	well	Medium
MuD	MURRILL CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	MURRILL	well	High
Nd	NOLIN SILT LOAM	NOLIN	well	Low
NoA	NOLO LOAM, 0 TO 3 PERCENT SLOPES	NOLO	poorly	Very high
NoB	NOLO LOAM, 3 TO 8 PERCENT SLOPES	NOLO	poorly	Very high
NsB	NOLO VERY STONY LOAM, 0 TO 8 PERCENT SLOPES	NOLO	poorly	Very high
OpB	OPEQUON-HAGERSTOWN COMPLEX, 3 TO 8 PERCENT SLOPES, VERY ROCKY	OPEQUON	well	Medium (1)
OpB	OPEQUON-HAGERSTOWN COMPLEX, 3 TO 8 PERCENT SLOPES, VERY ROCKY	HAGERSTOWN	well	Medium

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OpC	OPEQUON-HAGERSTOWN COMPLEX, 8 TO 15 PERCENT SLOPES, VERY ROCKY	OPEQUON	well	Medium (1)
OpC	OPEQUON-HAGERSTOWN COMPLEX, 8 TO 15 PERCENT SLOPES, VERY ROCKY	HAGERSTOWN	well	Medium
OpD	OPEQUON-HAGERSTOWN COMPLEX, 15 TO 25 PERCENT SLOPES, VERY ROCKY	OPEQUON	well	High (1)
OpD	OPEQUON-HAGERSTOWN COMPLEX, 15 TO 25 PERCENT SLOPES, VERY ROCKY	HAGERSTOWN	well	High
OpE	OPEQUON-HAGERSTOWN COMPLEX, 25 TO 45 PERCENT SLOPES, VERY ROCKY	OPEQUON	well	High (1)
OpE	OPEQUON-HAGERSTOWN COMPLEX, 25 TO 45 PERCENT SLOPES, VERY ROCKY	HAGERSTOWN	well	High
PeB	PENLAW SILT LOAM, 0 TO 8 PERCENT SLOPES	PENLAW	somewhat poorly	Very high
Ph	PHILO SILT LOAM	PHILO	moderately well	Low
Pm	PITS AND QUARRIES	PITS		---
Pm	PITS AND QUARRIES	QUARRIES		---
Pp	POPE FINE SANDY LOAM	POPE	well	Very low
Ps	PURDY SILTY CLAY LOAM, 0 TO 3 PERCENT SLOPES	PURDY	poorly	High
RgC	RAYNE-GILPIN CHANNERY SILT LOAMS, 8 TO 15 PERCENT SLOPES	RAYNE	well	Medium
RgC	RAYNE-GILPIN CHANNERY SILT LOAMS, 8 TO 15 PERCENT SLOPES	GILPIN	well	Medium
RgD	RAYNE-GILPIN CHANNERY SILT LOAMS, 15 TO 25 PERCENT SLOPES	RAYNE	well	High
RgD	RAYNE-GILPIN CHANNERY SILT LOAMS, 15 TO 25 PERCENT SLOPES	GILPIN	well	High
RgF	RAYNE-GILPIN CHANNERY SILT LOAMS, 25 TO 65 PERCENT SLOPES	RAYNE	well	High
RgF	RAYNE-GILPIN CHANNERY SILT LOAMS, 25 TO 65 PERCENT SLOPES	GILPIN	well	High
RpB	RAYNE-GILPIN VERY STONY SILT LOAMS, 3 TO 8 PERCENT SLOPES	RAYNE	well	Medium
RpB	RAYNE-GILPIN VERY STONY SILT LOAMS, 3 TO 8 PERCENT SLOPES	GILPIN	well	Medium
RpD	RAYNE-GILPIN VERY STONY SILT LOAMS, 8 TO 25 PERCENT SLOPES	RAYNE	well	Medium

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RpD	RAYNE-GILPIN VERY STONY SILT LOAMS, 8 TO 25 PERCENT SLOPES	GILPIN	well	Medium
TgA	TYLER SILT LOAM, 0 TO 3 PERCENT SLOPES	TYLER	somewhat poorly	Very high
TgB	TYLER SILT LOAM, 3 TO 8 PERCENT SLOPES	TYLER	somewhat poorly	Very high
Ue	UDORTHENTS, LOAMY	UDORTHENTS		---
Ue	UDORTHENTS, LOAMY	NON-SOIL AREAS		---
UgF	UNGERS-LEHEW COMPLEX, 35 TO 60 PERCENT SLOPES, VERY STONY	UNGERS	well	High (1)
UgF	UNGERS-LEHEW COMPLEX, 35 TO 60 PERCENT SLOPES, VERY STONY	LEHEW	well	Low (1)
VdF	VANDERLIP-ROCK OUTCROP COMPLEX, 35 TO 60 PERCENT SLOPES	VANDERLIP	somewhat excessively	Low
VdF	VANDERLIP-ROCK OUTCROP COMPLEX, 35 TO 60 PERCENT SLOPES	ROCK OUTCROP	excessively	--- (1)
W	WATER	WATER		---
WkC	WEIKERT CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	WEIKERT	well	Low
WkD	WEIKERT CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	WEIKERT	well	Medium
WkE	WEIKERT CHANNERY SILT LOAM, 25 TO 35 PERCENT SLOPES	WEIKERT	well	Medium
WkF	WEIKERT CHANNERY SILT LOAM, 35 TO 65 PERCENT SLOPES	WEIKERT	well	Medium
WlF	WEIKERT VERY FLAGGY SILT LOAM, 25 TO 60 PERCENT SLOPES	WEIKERT	well	Medium
WsB	WESTMORELAND CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	WESTMORELAND	well	Medium
WsC	WESTMORELAND CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	WESTMORELAND	well	Medium
WsE	WESTMORELAND CHANNERY SILT LOAM, 25 TO 35 PERCENT SLOPES	WESTMORELAND	well	High
WwD	WESTMORELAND-KLINESVILLE COMPLEX, 15 TO 25 PERCENT SLOPES	WESTMORELAND	well	High
WwD	WESTMORELAND-KLINESVILLE COMPLEX, 15 TO 25 PERCENT SLOPES	KLINESVILLE	well	Medium (1)
WxB	WHARTON CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES, VERY STONY	WHARTON	moderately well	High (1)

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WxC	WHARTON CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	WHARTON	moderately well	High (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