

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. **Map units in red represent the soils having the greatest potential for caving when excavated.**)

Map symbol and soil name	ENG - Shallow Excavations
AdA: ALDINO-----	Not Rated Not Rated; Fragments > 75mm 1.000 (1.000-1.000) Depth to saturated zone 0.100 Cutbanks cave
AdB2: ALDINO-----	1.000 (1.000-1.000) Very limited 1.000 (1.000-1.000) Depth to saturated zone 0.100 Cutbanks cave
Am: ALDINO-----	1.000 (1.000-1.000) Very limited 1.000 (1.000-1.000) Depth to saturated zone 0.100 Cutbanks cave
<b>KEYPORT-----</b>	1.000 Very limited 1.000 Cutbanks cave 0.986 (0.612-1.000) Depth to saturated zone
MATTAPEX-----	1.000 (0.955-1.000) Very limited (Somewhat limited to Very limited) 1.000 (0.955-1.000) Depth to saturated zone 0.100 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Taxonomic or texture class 1.000 (0.000-1.000) Slope (No slope limitation to Slope)
Ba: BAYBORO-----	1.000 Very limited 1.000 Depth to saturated zone 0.281 (0.000-1.000) Too clayey (Not too clayey to Too clayey) 0.100 Cutbanks cave
BuA: BUTLERTOWN-----	0.100 Somewhat limited 0.100 Cutbanks cave
BuB2: BUTLERTOWN-----	0.949 (0.612-1.000) Somewhat limited (Somewhat limited to Very limited) 0.949 (0.612-1.000) Depth to saturated zone 0.100 Cutbanks cave
BuC2: BUTLERTOWN-----	0.949 (0.612-1.000) Somewhat limited (Somewhat limited to Very limited) 0.949 (0.612-1.000) Depth to saturated zone 0.100 Cutbanks cave
ChA: CHESTER-----	Not Rated Not Rated; Fragments > 75mm 0.100 Cutbanks cave
ChB2: CHESTER-----	Not Rated Not Rated; Fragments > 75mm 0.100 Cutbanks cave
ChC2: CHESTER-----	Not Rated Not Rated; Fragments > 75mm 0.633 (0.000-1.000) Slope (No slope limitation to Slope)

Map symbol and soil name	ENG - Shallow Excavations
	0.100 Cutbanks cave
ChC3: CHESTER-----	Not Rated Not Rated; Fragments > 75mm 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
ChD2: CHESTER-----	Not Rated Not Rated; Fragments > 75mm 1.000 Slope 0.100 Cutbanks cave
ChD3: CHESTER-----	Not Rated Not Rated; Fragments > 75mm 1.000 Slope 0.100 Cutbanks cave
Co: CODORUS-----	1.000 Very limited 1.000 Depth to saturated zone 1.000 Cutbanks cave 0.600 Flooding
CsB2: COLLINGTON-----	1.000 Very limited 1.000 Cutbanks cave
CsC3: COLLINGTON-----	1.000 Very limited 1.000 Cutbanks cave
CsD3: COLLINGTON-----	1.000 Very limited 1.000 Cutbanks cave 0.837 (0.163-1.000) Slope
Cu: COMUS-----	Not Rated Not Rated; Fragments > 75mm 0.100 Cutbanks cave
DeA: DELANCO-----	1.000 (1.000-1.000) Very limited 1.000 (1.000-1.000) Depth to saturated zone 0.100 Cutbanks cave
DeB2: DELANCO-----	1.000 (1.000-1.000) Very limited 1.000 (1.000-1.000) Depth to saturated zone 0.100 Cutbanks cave
EaB2: ELIOAK-----	Not Rated Not Rated; Fragments > 75mm 0.125 (0.000-1.000) Too clayey (Not too clayey to Too clayey) 0.100 Cutbanks cave
EkC3: ELIOAK-----	Not Rated Not Rated; Fragments > 75mm 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.125 (0.000-1.000) Too clayey (Not too clayey to Too clayey)
EkD3: ELIOAK-----	Not Rated Not Rated; Fragments > 75mm 1.000 Slope 0.125 (0.000-1.000) Too clayey (Not too clayey to Too clayey)

Map symbol and soil name	ENG - Shallow Excavations
ElA:	
ELKTON-----	1.000 Very limited 1.000 Depth to saturated zone 0.100 Cutbanks cave
EmA:	
ELKTON-----	1.000 Very limited 1.000 Depth to saturated zone 0.100 Cutbanks cave
EmB:	
ELKTON-----	1.000 Very limited 1.000 Depth to saturated zone 0.100 Cutbanks cave
EnB2:	
ELSINBORO-----	Not Rated Not Rated; Fragments > 75mm 0.156 Depth to saturated zone 0.100 Cutbanks cave
EnC2:	
ELSINBORO-----	Not Rated Not Rated; Fragments > 75mm 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.156 Depth to saturated zone
EuB:	
DELANCO-----	1.000 (1.000-1.000) Very limited 1.000 (1.000-1.000) Depth to saturated zone 0.100 Cutbanks cave
ELSINBORO-----	Not Rated Not Rated; Fragments > 75mm 0.156 Depth to saturated zone 0.100 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Taxonomic or texture class
Fa:	
FALLSINGTON-----	1.000 Very limited 1.000 Depth to saturated zone 1.000 Cutbanks cave
Fs:	
FALLSINGTON-----	1.000 Very limited 1.000 Depth to saturated zone 1.000 Cutbanks cave
GmB2:	
GLENELG-----	0.100 Somewhat limited 0.100 Cutbanks cave
MANOR-----	0.100 Somewhat limited 0.100 Cutbanks cave
GmC2:	
GLENELG-----	0.633 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
MANOR-----	0.633 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
GmC3:	
GLENELG-----	0.633 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave

Map symbol and soil name	ENG - Shallow Excavations
MANOR-----	0.633 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
GmD2:	
MANOR-----	1.000 Very limited 1.000 Slope 0.100 Cutbanks cave
GLENELG-----	1.000 Very limited 1.000 Slope 0.100 Cutbanks cave
GmD3:	
MANOR-----	1.000 Very limited 1.000 Slope 0.100 Cutbanks cave
GLENELG-----	1.000 Very limited 1.000 Slope 0.100 Cutbanks cave
GmE:	
MANOR-----	1.000 Very limited 1.000 Slope 0.100 Cutbanks cave
GLENELG-----	1.000 Very limited 1.000 Slope 0.100 Cutbanks cave
GnA:	
GLENVILLE-----	1.000 (0.955-1.000) Very limited (Somewhat limited to Very limited) 1.000 (0.955-1.000) Depth to saturated zone 0.100 Cutbanks cave
GnB2:	
GLENVILLE-----	1.000 (0.955-1.000) Very limited (Somewhat limited to Very limited) 1.000 (0.955-1.000) Depth to saturated zone 0.100 Cutbanks cave
Gp:	
GRAVEL PITS AND QUARRIES-----	Not Rated  Not Rated; Fragments > 75mm Not Rated; Taxonomic or texture class
Ha:	
HATBORO-----	1.000 Very limited 1.000 Depth to saturated zone 1.000 Cutbanks cave 0.600 Flooding
HbA:	
HATBORO-----	1.000 Very limited 1.000 Depth to saturated zone 1.000 Cutbanks cave 0.600 Flooding
HbC:	
HATBORO-----	1.000 Very limited 1.000 Depth to saturated zone 1.000 Cutbanks cave 0.600 Flooding
Jo:	
JOHNSTON-----	1.000 Very limited 1.000 Ponding 1.000 Depth to saturated zone 1.000 Cutbanks cave

Map symbol and soil name	ENG - Shallow Excavations
KeA: KEYPORT-----	1.000 Very limited 1.000 Cutbanks cave 0.986 (0.612-1.000) Depth to saturated zone
KeB2: KEYPORT-----	1.000 Very limited 1.000 Cutbanks cave 0.986 (0.612-1.000) Depth to saturated zone
KeC2: KEYPORT-----	1.000 Very limited 1.000 Cutbanks cave 0.986 (0.612-1.000) Depth to saturated zone
KpC3: KEYPORT-----	1.000 Very limited 1.000 Cutbanks cave 0.986 (0.612-1.000) Depth to saturated zone
KrA: KINKORA-----	1.000 Very limited 1.000 Depth to saturated zone 0.125 (0.000-0.875) Too clayey (Not too clayey to Too clayey) 0.100 Cutbanks cave
KrB: KINKORA-----	1.000 Very limited 1.000 Depth to saturated zone 0.125 (0.000-0.875) Too clayey (Not too clayey to Too clayey) 0.100 Cutbanks cave
Ma: MADE LAND AND URBAN LAND-----	Not Rated  Not Rated; Fragments > 75mm Not Rated; Taxonomic or texture class 1.000 (0.000-1.000) Slope (No slope limitation to Slope)
McB: GLENELG-----	0.100 Somewhat limited 0.100 Cutbanks cave
MANOR-----	0.100 Somewhat limited 0.100 Cutbanks cave
CHESTER-----	Not Rated Not Rated; Fragments > 75mm 0.100 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Taxonomic or texture class 1.000 (0.000-1.000) Slope (No slope limitation to Slope)
MeA: MATAPEAKE-----	0.100 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.100 Cutbanks cave
MATTAPEX-----	1.000 Very limited 1.000 Cutbanks cave 1.000 (0.955-1.000) Depth to saturated zone
MeB2: MATAPEAKE-----	0.100 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.100 Cutbanks cave
MeC2: MATAPEAKE-----	0.100 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.100 Cutbanks cave

Map symbol and soil name	ENG - Shallow Excavations
MeC3: MATAPEAKE-----	0.100 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.100 Cutbanks cave
MeD2: MATAPEAKE-----	0.837 (0.163-1.000) Somewhat limited (Somewhat limited to Very limited) 0.837 (0.163-1.000) Slope 0.100 Cutbanks cave
MeD3: MATAPEAKE-----	0.837 (0.163-1.000) Somewhat limited (Somewhat limited to Very limited) 0.837 (0.163-1.000) Slope 0.100 Cutbanks cave
MkA: MATAPEAKE-----	0.100 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.100 Cutbanks cave
MkB2: MATAPEAKE-----	0.100 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.100 Cutbanks cave
MkC2: MATAPEAKE-----	0.100 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.100 Cutbanks cave
MsB: MATAPEAKE-----	0.100 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.100 Cutbanks cave
SASSAFRAS-----	1.000 Very limited 1.000 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Taxonomic or texture class
MtA: MATTAPEX-----	1.000 Very limited 1.000 Cutbanks cave 1.000 (0.955-1.000) Depth to saturated zone
MtB2: MATTAPEX-----	1.000 Very limited 1.000 Cutbanks cave 1.000 (0.955-1.000) Depth to saturated zone
MtC2: MATTAPEX-----	1.000 Very limited 1.000 Cutbanks cave 1.000 (0.955-1.000) Depth to saturated zone
MtC3: MATTAPEX-----	1.000 Very limited 1.000 Cutbanks cave 1.000 (0.955-1.000) Depth to saturated zone
Mv: MIXED ALLUVIAL LAND-----	Not Rated Not Rated; Taxonomic or texture class 1.000 Depth to saturated zone 0.800 Flooding
NmA: NESHAMINY-----	0.100 (0.100-0.172) Somewhat limited 0.100 Cutbanks cave
MONTALTO-----	Not Rated Not Rated; Fragments > 75mm 0.100 Cutbanks cave 0.031 (0.000-0.875) Too clayey (Not too clayey to Too clayey)

Map symbol and soil name	ENG - Shallow Excavations
NmB2:	
NESHAMINY-----	0.100 (0.100-0.172) Somewhat limited 0.100 Cutbanks cave
MONTALTO-----	Not Rated Not Rated; Fragments > 75mm 0.100 Cutbanks cave 0.031 (0.000-0.875) Too clayey (Not too clayey to Too clayey)
NmC2:	
NESHAMINY-----	0.633 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
MONTALTO-----	Not Rated Not Rated; Fragments > 75mm 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
NnC3:	
NESHAMINY-----	0.633 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
MONTALTO-----	Not Rated Not Rated; Fragments > 75mm 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
NnD3:	
NESHAMINY-----	1.000 Very limited 1.000 Slope 0.100 Cutbanks cave
MONTALTO-----	Not Rated Not Rated; Fragments > 75mm 1.000 Slope 0.100 Cutbanks cave
NsE:	
NESHAMINY-----	1.000 (0.100-1.000) Very limited (Somewhat limited to Very limited) 1.000 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
TALLEYVILLE-----	0.281 (0.100-0.875) Somewhat limited 0.281 (0.000-0.875) Too clayey (Not too clayey to Too clayey) 0.100 Cutbanks cave
NtB:	
NESHAMINY-----	0.100 (0.100-0.172) Somewhat limited 0.100 Cutbanks cave
TALLEYVILLE-----	0.281 (0.100-0.875) Somewhat limited 0.281 (0.000-0.875) Too clayey (Not too clayey to Too clayey) 0.100 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Taxonomic or texture class
NtD:	
NESHAMINY-----	1.000 (0.100-1.000) Very limited (Somewhat limited to Very limited) 1.000 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
TALLEYVILLE-----	0.281 (0.100-0.875) Somewhat limited 0.281 (0.000-0.875) Too clayey (Not too clayey to Too clayey) 0.100 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm







