

(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
AbB: ALBRIGHTS-----	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
AbC2: ALBRIGHTS-----	1.000 (0.955-1.000) Very limited (Somewhat limited to Very limited) ** 1.000 (0.955-1.000) Depth to saturated zone 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
AgC: ALBRIGHTS-----	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
AhB: ALLEGHENY-----	0.100 Somewhat limited ** 0.100 Cutbanks cave
An: ALLUVIAL LAND---	0.955 Somewhat limited ** 0.955 Depth to saturated zone 0.800 Flooding 0.100 Cutbanks cave
Ao: ALLUVIAL LAND---	0.955 Somewhat limited ** 0.955 Depth to saturated zone 0.800 Flooding 0.100 Cutbanks cave
Ar: ARMAGH-----	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
At: ATKINS-----	1.000 Very limited ** 1.000 Depth to saturated zone 1.000 Cutbanks cave 0.800 Flooding
BrA: ANDOVER-----	1.000 Very limited ** 1.000 Depth to saturated zone 1.000 Cutbanks cave
BRINKERTON-----	1.000 Very limited ** 1.000 Depth to saturated zone 0.100 Cutbanks cave
BrB: ANDOVER-----	1.000 Very limited ** 1.000 Depth to saturated zone 1.000 Cutbanks cave
BRINKERTON-----	1.000 Very limited ** 1.000 Depth to saturated zone 0.100 Cutbanks cave

Map symbol and soil name	ENG - Shallow Excavations
BsC:	
ANDOVER-----	1.000 Very limited ** 1.000 Depth to saturated zone 1.000 Cutbanks cave
BRINKERTON-----	1.000 Very limited ** 1.000 Depth to saturated zone 0.100 Cutbanks cave
CaC2:	
CALVIN-----	1.000 (0.457-1.000) Very limited (Somewhat limited to Very limited) ** 1.000 (0.163-1.000) Slope 0.457 Depth to soft bedrock 0.100 Cutbanks cave
GILPIN-----	1.000 (0.457-1.000) Very limited (Somewhat limited to Very limited) ** 1.000 (0.163-1.000) Slope 0.457 Depth to soft bedrock 0.100 Cutbanks cave
UNGERS-----	1.000 (0.163-1.000) Very limited (Somewhat limited to Very limited) ** 1.000 (0.163-1.000) Slope 0.100 Cutbanks cave
CaD2:	
CALVIN-----	1.000 Very limited ** 1.000 Slope 0.457 Depth to soft bedrock 0.100 Cutbanks cave
GILPIN-----	1.000 Very limited ** 1.000 Slope 0.457 Depth to soft bedrock 0.100 Cutbanks cave
UNGERS-----	1.000 Very limited ** 1.000 Slope 0.100 Cutbanks cave
CaD3:	
CALVIN-----	1.000 Very limited ** 1.000 Slope 0.457 Depth to soft bedrock 0.100 Cutbanks cave
GILPIN-----	1.000 Very limited ** 1.000 Slope 0.457 Depth to soft bedrock 0.100 Cutbanks cave
UNGERS-----	1.000 Very limited ** 1.000 Slope 0.100 Cutbanks cave
ClE:	
CALVIN-----	1.000 Very limited ** 1.000 Slope 0.457 Depth to soft bedrock 0.100 Cutbanks cave
LEHEW-----	1.000 Very limited ** 1.000 Depth to hard bedrock 1.000 Slope 0.100 Cutbanks cave
CnC2:	
CALVIN-----	1.000 (0.457-1.000) Very limited (Somewhat limited to Very limited) ** 1.000 (0.163-1.000) Slope 0.457 Depth to soft bedrock 0.100 Cutbanks cave

Map symbol and soil name	ENG - Shallow Excavations
LEHEW-----	1.000 Very limited ** 1.000 Depth to hard bedrock 1.000 (0.163-1.000) Slope 0.100 Cutbanks cave
UNGERS-----	1.000 (0.163-1.000) Very limited (Somewhat limited to Very limited) ** 1.000 (0.163-1.000) Slope 0.100 Cutbanks cave
CnD2:	
CALVIN-----	1.000 Very limited ** 1.000 Slope 0.457 Depth to soft bedrock 0.100 Cutbanks cave
LEHEW-----	1.000 Very limited ** 1.000 Depth to hard bedrock 1.000 Slope 0.100 Cutbanks cave
UNGERS-----	1.000 Very limited ** 1.000 Slope 0.100 Cutbanks cave
CnD3:	
CALVIN-----	1.000 Very limited ** 1.000 Slope 0.457 Depth to soft bedrock 0.100 Cutbanks cave
LEHEW-----	1.000 Very limited ** 1.000 Depth to hard bedrock 1.000 Slope 0.100 Cutbanks cave
UNGERS-----	1.000 Very limited ** 1.000 Slope 0.100 Cutbanks cave
CoB:	
CAVODE-----	1.000 Very limited ** 1.000 Depth to saturated zone 0.100 Cutbanks cave
CoC2:	
CAVODE-----	1.000 Very limited ** 1.000 Depth to saturated zone 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
CrB:	
CLYMER-----	0.996 Somewhat limited ** 0.996 Depth to hard bedrock 0.100 Cutbanks cave
CtB:	
COOKPORT-----	1.000 (1.000-1.000) Very limited ** 1.000 (1.000-1.000) Depth to saturated zone 0.100 Cutbanks cave 0.050 Depth to hard bedrock
CtC2:	
COOKPORT-----	1.000 (1.000-1.000) Very limited ** 1.000 (1.000-1.000) Depth to saturated zone 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
CuB:	
COOKPORT-----	1.000 (1.000-1.000) Very limited ** 1.000 (1.000-1.000) Depth to saturated zone 0.100 Cutbanks cave 0.050 Depth to hard bedrock

Map symbol and soil name	ENG - Shallow Excavations
ERNEST-----	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
CuD: COOKPORT-----	1.000 (1.000-1.000) Very limited ** 1.000 (1.000-1.000) Depth to saturated zone 1.000 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
ERNEST-----	1.000 (0.955-1.000) Very limited (Somewhat limited to Very limited) ** 1.000 (0.955-1.000) Depth to saturated zone 1.000 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
Cv: CUT AND FILL LAND-----	1.000 (0.996-1.000) Very limited (Somewhat limited to Very limited) ** 1.000 (0.000-1.000) Slope (No slope limitation to Slope) 0.996 Depth to hard bedrock 0.100 Cutbanks cave
DbB: DEKALB-----	1.000 Very limited ** 1.000 Depth to hard bedrock 0.100 Cutbanks cave
DbC2: DEKALB-----	1.000 Very limited ** 1.000 Depth to hard bedrock 1.000 (0.163-1.000) Slope 0.100 Cutbanks cave
DbD2: DEKALB-----	1.000 Very limited ** 1.000 Depth to hard bedrock 1.000 Slope 0.100 Cutbanks cave
DcC: CALVIN-----	0.457 (0.457-1.000) Somewhat limited (Somewhat limited to Very limited) ** 0.457 Depth to soft bedrock 0.100 Cutbanks cave
DEKALB-----	1.000 Very limited ** 1.000 Depth to hard bedrock 0.100 Cutbanks cave
LEHEW-----	1.000 Very limited ** 1.000 Depth to hard bedrock 0.100 Cutbanks cave
DcD: CALVIN-----	1.000 Very limited ** 1.000 Slope 0.457 Depth to soft bedrock 0.100 Cutbanks cave
DEKALB-----	1.000 Very limited ** 1.000 Depth to hard bedrock 1.000 Slope 0.100 Cutbanks cave
LEHEW-----	1.000 Very limited ** 1.000 Depth to hard bedrock 1.000 Slope 0.100 Cutbanks cave
DgC: DEKALB-----	1.000 Very limited ** 1.000 Depth to hard bedrock

Map symbol and soil name	ENG - Shallow Excavations
	0.100 Cutbanks cave
GILPIN-----	0.457 (0.457-1.000) Somewhat limited (Somewhat limited to Very limited) ** 0.457 Depth to soft bedrock 0.100 Cutbanks cave
DgD:	
DEKALB-----	1.000 Very limited ** 1.000 Depth to hard bedrock 1.000 Slope 0.100 Cutbanks cave
GILPIN-----	1.000 Very limited ** 1.000 Slope 0.457 Depth to soft bedrock 0.100 Cutbanks cave
D1C:	
DEKALB-----	1.000 Very limited ** 1.000 Depth to hard bedrock 0.100 Cutbanks cave
LEETONIA-----	1.000 Very limited ** 1.000 Cutbanks cave 0.996 Depth to hard bedrock 0.698 (0.043-1.000) Content of large stones
D1D:	
DEKALB-----	1.000 Very limited ** 1.000 Depth to hard bedrock 1.000 Slope 0.100 Cutbanks cave
LEETONIA-----	1.000 Very limited ** 1.000 Slope 1.000 Cutbanks cave 0.996 Depth to hard bedrock
Ek:	
ELKINS-----	1.000 Very limited ** 1.000 Depth to saturated zone 0.600 Flooding 0.100 Cutbanks cave
ErA:	
ERNEST-----	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
ErB:	
ERNEST-----	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
ErC2:	
ERNEST-----	1.000 (0.955-1.000) Very limited (Somewhat limited to Very limited) ** 1.000 (0.955-1.000) Depth to saturated zone 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
ErD2:	
ERNEST-----	1.000 Very limited ** 1.000 Slope 1.000 (0.955-1.000) Depth to saturated zone 0.100 Cutbanks cave
GnB2:	
GILPIN-----	0.457 Somewhat limited ** 0.457 Depth to soft bedrock 0.100 Cutbanks cave

Map symbol and soil name	ENG - Shallow Excavations
GnC2: GILPIN-----	1.000 (0.457-1.000) Very limited (Somewhat limited to Very limited) ** 1.000 (0.163-1.000) Slope 0.457 Depth to soft bedrock 0.100 Cutbanks cave
GnD2: GILPIN-----	1.000 Very limited ** 1.000 Slope 0.457 Depth to soft bedrock 0.100 Cutbanks cave
GnD3: GILPIN-----	1.000 Very limited ** 1.000 Slope 0.457 Depth to soft bedrock 0.100 Cutbanks cave
LaB: LAIDIG-----	0.899 (0.612-1.000) Somewhat limited (Somewhat limited to Very limited) ** 0.899 (0.612-1.000) Depth to saturated zone 0.100 Cutbanks cave
LaD: LAIDIG-----	1.000 (0.612-1.000) Very limited (Somewhat limited to Very limited) ** 1.000 (0.000-1.000) Slope (No slope limitation to Slope) 0.899 (0.612-1.000) Depth to saturated zone 0.100 Cutbanks cave
Lc: LICKDALE-----	1.000 Very limited ** 1.000 Depth to saturated zone 0.100 Cutbanks cave
Ls: LICKDALE-----	1.000 Very limited ** 1.000 Depth to saturated zone 0.996 Depth to hard bedrock 0.100 Cutbanks cave
McB: MECKESVILLE----	0.899 (0.612-1.000) Somewhat limited (Somewhat limited to Very limited) ** 0.899 (0.612-1.000) Depth to saturated zone 0.100 Cutbanks cave
McC2: MECKESVILLE----	0.899 (0.612-1.000) Somewhat limited (Somewhat limited to Very limited) ** 0.899 (0.612-1.000) Depth to saturated zone 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
MdB: MECKESVILLE----	0.899 (0.612-1.000) Somewhat limited (Somewhat limited to Very limited) ** 0.899 (0.612-1.000) Depth to saturated zone 0.100 Cutbanks cave
MdD: MECKESVILLE----	1.000 (0.612-1.000) Very limited (Somewhat limited to Very limited) ** 1.000 (0.000-1.000) Slope (No slope limitation to Slope) 0.899 (0.612-1.000) Depth to saturated zone 0.100 Cutbanks cave
NoB: NOLO-----	1.000 Very limited ** 1.000 Depth to saturated zone 0.100 Cutbanks cave
Pe: PEAT-----	1.000 Very limited ** 1.000 Depth to saturated zone 1.000 Content of organic matter 0.100 Cutbanks cave **

Map symbol and soil name	ENG - Shallow Excavations
Ph:	
PHILO-----	1.000 Very limited ** 1.000 Cutbanks cave 1.000 (0.955-1.000) Depth to saturated zone 0.996 Depth to hard bedrock
Ps:	
POPE-----	0.600 Somewhat limited ** 0.600 Flooding 0.100 Cutbanks cave
PuC2:	
PURDY-----	1.000 Very limited ** 1.000 Depth to saturated zone 0.100 Cutbanks cave 0.031 (0.000-0.500) Too clayey (Not too clayey to Too clayey)
St:	
STRIP MINES AND DUMP-----	1.000 (0.996-1.000) Very limited (Somewhat limited to Very limited) ** 1.000 (0.000-1.000) Slope (No slope limitation to Slope) 0.996 Depth to hard bedrock 0.100 Cutbanks cave
SW:	
SWAMP-----	1.000 Very limited ** 1.000 Depth to saturated zone 0.800 Flooding 0.100 Cutbanks cave
UcB:	
UNGERS-----	0.100 (0.100-0.163) Somewhat limited ** 0.100 Cutbanks cave
CALVIN-----	0.457 Somewhat limited ** 0.457 Depth to soft bedrock 0.100 Cutbanks cave
LEHEW-----	1.000 Very limited ** 1.000 Depth to hard bedrock 0.100 Cutbanks cave
UnB:	
GILPIN-----	0.457 Somewhat limited ** 0.457 Depth to soft bedrock 0.100 Cutbanks cave
UNGERS-----	0.100 (0.100-0.163) Somewhat limited ** 0.100 Cutbanks cave
CALVIN-----	1.000 Very limited ** 1.000 Depth to hard bedrock 0.100 Cutbanks cave
VsD:	
VERY STONY LAND-	1.000 Very limited ** 1.000 Cutbanks cave 1.000 (0.955-1.000) Depth to saturated zone 0.959 (0.000-1.000) Slope (No slope limitation to Slope)
VsF:	
VERY STONY LAND-	1.000 (0.612-1.000) Very limited (Somewhat limited to Very limited) ** 1.000 (0.163-1.000) Slope 0.899 (0.612-1.000) Depth to saturated zone 0.100 Cutbanks cave
WhB2:	
WHARTON-----	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

Map symbol and soil name	ENG - Shallow Excavations
WhC2:	
WHARTON-----	1.000 (0.955-1.000) Very limited (Somewhat limited to Very limited) *+ 1.000 (0.955-1.000) Depth to saturated zone 1.000 (0.163-1.000) Slope 0.100 Cutbanks cave

ALL VALUES ARE ROUNDED.

* INDICATES NULL DATA WAS USED.

+ INDICATES DEFAULT VALUES WERE USED.

