

Table ENG-4. - Building Site Development

Rappahannock County, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
AbB:							
Albemarle	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	1.00	Depth to bedrock	0.04
		Frost action	0.50	Depth to hard bedrock	0.88		
				Depth to soft bedrock	0.04		
AbC:							
Albemarle	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	1.00	Slope	0.37
		Frost action	0.50	Depth to hard bedrock	0.88	Depth to bedrock	0.04
		Slope	0.37	Slope	0.37		
Ad:							
Alluvial land	85	Very limited		Not Rated		Not Rated	
		Flooding	1.00				
		Depth to saturated zone	0.75				
Wehadkee	5	Not Rated		Not Rated		Not Rated	
At:							
Altavista	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.19	Cutbanks cave	1.00	Depth to saturated zone	0.19
				Depth to saturated zone	1.00		
Au:							
Augusta	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.75
		Depth to saturated zone	0.75	Cutbanks cave	0.10		
Roanoke	5	Not Rated		Not Rated		Not Rated	
Be:							
Belvoir	85	Very limited		Very limited		Very limited	
		Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00	Depth to cemented pan	1.00
		Frost action	1.00	Depth to saturated zone	1.00	Droughty	0.99
		Depth to saturated zone	0.75	Cutbanks cave	1.00	Depth to saturated zone	0.75
Worsham		Not Rated		Not Rated		Not Rated	
BgB:							

Table ENG-4. - Building Site Development - Continued

Rappahannock County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
BgB:							
Brandywine	85	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty Content of large stones	0.15 <0.01
BgC:							
Brandywine	85	Somewhat limited Slope	0.37	Very limited Cutbanks cave Slope	1.00 0.37	Somewhat limited Slope Droughty Content of large stones	0.37 0.15 <0.01
BgD:							
Brandywine	85	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty Content of large stones	1.00 0.15 <0.01
BoC:							
	85	Somewhat limited Slope	0.37	Very limited Cutbanks cave Slope	1.00 0.37	Somewhat limited Slope Droughty	0.37 0.10
BoD:							
Brandywine	85	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty	1.00 0.10
BoE:							
Brandywine	85	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope Droughty	1.00 0.10
BrC:							
Brandywine	85	Somewhat limited Slope	0.37	Very limited Cutbanks cave Slope	1.00 0.37	Somewhat limited Slope Droughty	0.37 0.10
BrD:							
Brandywine	85	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty	1.00 0.10
BrE:							
Brandywine	85	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope Droughty	1.00 0.10

BwC2:

Table ENG-4. - Building Site Development - Continued

Rappahannock County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
BwC2:							
Brandywine	85	Somewhat limited Slope	0.37	Very limited Cutbanks cave Slope	1.00 0.37	Somewhat limited Slope Droughty	0.37 0.10
BwD2:							
Brandywine	85	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty	1.00 0.10
ByC:							
Brandywine	85	Somewhat limited Slope	0.37	Very limited Cutbanks cave Slope	1.00 0.37	Somewhat limited Slope Droughty	0.37 0.10
ByD:							
Brandywine	85	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty	1.00 0.10
ByE:							
Brandywine	85	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope Droughty	1.00 0.10
Bz:							
Buncombe	85	Very limited Flooding	1.00	Very limited Cutbanks cave Flooding	1.00 0.60	Somewhat limited Droughty Flooding	0.90 0.60
Wet spots		Not Rated		Not Rated		Not Rated	
CaE:							
Catoctin	85	Very limited Slope Depth to hard bedrock	1.00 0.16	Very limited Depth to hard bedrock Slope Depth to soft bedrock	1.00 1.00 0.46	Very limited Slope Depth to bedrock Content of large stones	1.00 0.46 0.26
CdB:							
Chester	85	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Somewhat limited Content of large stones	<0.01
CdC2:							
Chester	85	Somewhat limited Frost action Slope	0.50 0.37	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope Content of large stones	0.37 <0.01
CeB2:							

Table ENG-4. - Building Site Development - Continued

Rappahannock County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
CeB2:							
Chester	70	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Somewhat limited Content of large stones	<0.01
Brandywine	30	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.10
CeC2:							
Chester	60	Somewhat limited Frost action Slope	0.50 0.37	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope Content of large stones	0.37 <0.01
Brandywine	40	Somewhat limited Slope	0.37	Very limited Cutbanks cave Slope	1.00 0.37	Somewhat limited Slope Droughty	0.37 0.10
Ch:							
Chewacla	85	Very limited Flooding Low strength Depth to saturated zone	1.00 1.00 1.00	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.80 0.10	Very limited Flooding Depth to saturated zone	1.00 1.00
Wehadkee	5	Not Rated		Not Rated		Not Rated	
Co:							
Congaree	85	Very limited Flooding	1.00	Somewhat limited Depth to saturated zone Flooding Cutbanks cave	0.90 0.60 0.10	Somewhat limited Flooding	0.60
CpC3:							
Culpeper	85	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope	0.37
CpD3:							
Culpeper	85	Very limited Slope Low strength Shrink-swell	1.00 1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
CuB:							
Culpeper	85	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

Table ENG-4. - Building Site Development - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
CuC2:							
Culpeper	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
DyB:							
Dyke	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50	Too clayey	0.02		
		Frost action	0.50				
DyC2:							
Dyke	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50	Too clayey	0.02		
EbC:							
Eubanks	50	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Frost action	0.50	Cutbanks cave	0.10		
		Slope	0.37				
Brandywine	30	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.37	Cutbanks cave	1.00	Slope	0.37
				Slope	0.37	Droughty	0.10
EbD2:							
Eubanks	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50				
Brandywine	30	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
				Slope	1.00	Droughty	0.10
EcB:							
Eubanks	50	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50				
Chester	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	<0.01
EcC:							

Table ENG-4. - Building Site Development - Continued

Rappahannock County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
EcC:							
Eubanks	50	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Frost action	0.50	Cutbanks cave	0.10		
		Slope	0.37				
Chester	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10	Content of large stones	<0.01
EIB3:							
Eubanks	50	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50				
Lloyd	50	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.72		
		Shrink-swell	0.50	Cutbanks cave	0.10		
EIC3:							
Eubanks	50	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Frost action	0.50	Cutbanks cave	0.10		
		Slope	0.37				
Lloyd	50	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.72	Slope	0.37
		Shrink-swell	0.50	Slope	0.37		
		Slope	0.37	Cutbanks cave	0.10		
EID3:							
Eubanks	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50				
Lloyd	50	Very limited		Very limited		Very limited	
		Low strength	1.00	Slope	1.00	Slope	1.00
		Slope	1.00	Too clayey	0.72		
		Shrink-swell	0.50	Cutbanks cave	0.10		
EuB:							
Eubanks	50	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50				
Lloyd	50	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.72		
		Shrink-swell	0.50	Cutbanks cave	0.10		

Table ENG-4. - Building Site Development - Continued

Rappahannock County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
EuC2:							
Eubanks	50	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Frost action	0.50	Cutbanks cave	0.10		
		Slope	0.37				
Lloyd	50	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.72	Slope	0.37
		Shrink-swell	0.50	Slope	0.37		
		Slope	0.37	Cutbanks cave	0.10		
EyD2:							
Eubanks	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50				
Lloyd	30	Very limited		Very limited		Very limited	
		Low strength	1.00	Slope	1.00	Slope	1.00
		Slope	1.00	Too clayey	0.72		
		Shrink-swell	0.50	Cutbanks cave	0.10		
HaC:							
Halewood	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10	Content of large stones	<0.01
		Low strength	0.22				
HaD:							
Halewood	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	<0.01
		Low strength	0.22				
HaE:							
Halewood	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	<0.01
		Low strength	0.22				
HeC:							
Hazel	85	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Slope	0.37
		Slope	0.37	Slope	0.37		
HeD:							
Hazel	85	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00		
HeE:							

Table ENG-4. - Building Site Development - Continued

Rappahannock County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
HeE:							
Hazel	85	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope	1.00
HsD:							
Hazel	85	Very limited Slope Frost action	1.00 0.50	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope	1.00
HsE:							
Hazel	85	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope	1.00
HtB3:							
Hiwassee	85	Very limited Low strength	1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.02	Not limited	
HtC3:							
Hiwassee	85	Very limited Low strength Slope	1.00 0.37	Somewhat limited Slope Cutbanks cave Too clayey	0.37 0.10 0.02	Somewhat limited Slope	0.37
HwB:							
Hiwassee	85	Very limited Low strength	1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.02	Not limited	
HwC:							
Hiwassee	85	Very limited Low strength Slope	1.00 0.37	Somewhat limited Slope Cutbanks cave Too clayey	0.37 0.10 0.02	Somewhat limited Slope	0.37
LoC:							
Louisburg	85	Somewhat limited Slope	0.37	Very limited Cutbanks cave Slope	1.00 0.37	Very limited Droughty Slope Content of large stones	1.00 0.37 0.03
LoD:							
Louisburg	85	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Droughty Slope Content of large stones	1.00 1.00 0.03

Table ENG-4. - Building Site Development - Continued

Rappahannock County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
LsE:							
Louisburg	85	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope Droughty Content of large stones	1.00 1.00 0.03
LyC:							
Louisburg	85	Somewhat limited Slope	0.37	Very limited Cutbanks cave Slope	1.00 0.37	Very limited Droughty Slope Content of large stones	1.00 0.37 0.03
LyD:							
Louisburg	85	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Droughty Slope Content of large stones	1.00 1.00 0.03
Ma:							
Made land	85	Not Rated		Not Rated		Not Rated	
Me:							
Meadowville	85	Somewhat limited Shrink-swell Frost action Low strength	0.50 0.50 0.22	Very limited Cutbanks cave Depth to saturated zone	1.00 0.61	Not limited	
Worsham		Not Rated		Not Rated		Not Rated	
MyC:							
Myersville	85	Somewhat limited Low strength Frost action Slope	0.78 0.50 0.37	Very limited Cutbanks cave Slope	1.00 0.37	Somewhat limited Slope Droughty	0.37 0.03
MyD:							
Myersville	85	Very limited Slope Low strength Frost action	1.00 0.78 0.50	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty	1.00 0.03
PoB:							
Porters	85	Somewhat limited Frost action	0.50	Very limited Cutbanks cave Depth to hard bedrock	1.00 0.96	Somewhat limited Droughty Content of large stones	0.37 0.08
PoC:							

Table ENG-4. - Building Site Development - Continued

Rappahannock County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
PoC:							
Porters	85	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.37
		Slope	0.37	Depth to hard bedrock	0.96	Slope	0.37
				Slope	0.37	Content of large stones	0.08
PoD:							
Porters	85	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00	Droughty	0.37
				Depth to hard bedrock	0.96	Content of large stones	0.08
PoE:							
Porters	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.37
				Depth to hard bedrock	0.77	Content of large stones	0.08
RaE:							
Ramsey	85	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	0.10	Droughty	1.00
Rd:							
Riverwash	85	Not Rated		Not Rated		Not Rated	
Wet spots		Not Rated		Not Rated		Not Rated	
Re:							
Roanoke	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	1.00		
		Shrink-swell	0.50	Too clayey	0.50		
RkD:							
Rock land	85	Not Rated		Not Rated		Not Rated	
RkE:							
Rock land	85	Not Rated		Not Rated		Not Rated	
RoD:							
Rock land	85	Not Rated		Not Rated		Not Rated	
RoE:							
Rock land basic	85	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Rappahannock County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
Rp:							
Rock outcrop	85	Not Rated		Not Rated		Not Rated	
Sa:							
Stony alluvial land	85	Not Rated		Not Rated		Not Rated	
Sc:							
Stony colluvial land	85	Not Rated		Not Rated		Not Rated	
StB:							
Stony local alluvial land	85	Not limited		Not Rated		Not Rated	
StC:							
Stony local alluvial land	85	Somewhat limited Slope	0.37	Not Rated		Not Rated	
StD:							
Stony local alluvial land	85	Very limited Slope	1.00	Not Rated		Not Rated	
UcB:							
Unison	85	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Too clayey Cutbanks cave	0.50 0.10	Very limited Content of large stones	1.00
UcC:							
Unison	85	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Too clayey Slope Cutbanks cave	0.50 0.37 0.10	Very limited Content of large stones Slope	1.00 0.37
UnB:							
Unison	85	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Too clayey Cutbanks cave	0.50 0.10	Somewhat limited Content of large stones	<0.01
UnC2:							
Unison	85	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Too clayey Slope Cutbanks cave	0.50 0.37 0.10	Somewhat limited Slope Content of large stones	0.37 <0.01
UpB:							

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Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
UpB:							
Unison variant	85	Very limited		Very limited		Very limited	
		Low strength	1.00	Cutbanks cave	1.00	Depth to cemented pan	1.00
		Shrink-swell	0.50			Droughty	0.71
		Frost action	0.50			Content of large stones	<0.01
Ve:							
Very rocky land	85	Not Rated		Not Rated		Not Rated	
We:							
Wehadkee	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	0.10		
WhB:							
Wickham	85	Very limited		Very limited		Not limited	
		Low strength	1.00	Cutbanks cave	1.00		
Wo:							
Worsham	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50	Too clayey	0.03		
Ws:							
Worsham	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50	Too clayey	0.03		