

Table ENG-4. - Building Site Development

Gloucester 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
1B:							
Alaga	85	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.69
Rumford	8	Not Rated		Not Rated		Not Rated	
Pactolus	7	Not Rated		Not Rated		Not Rated	
2B:							
Caroline	85	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Too clayey Cutbanks cave	0.47 0.13 0.10	Not limited	
Emporia	8	Not Rated		Not Rated		Not Rated	
Craven	7	Not Rated		Not Rated		Not Rated	
3A:							
Craven	85	Very limited Low strength Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Not limited	
Eunola	8	Not Rated		Not Rated		Not Rated	
Ochraquits	7	Not Rated		Not Rated		Not Rated	
3B:							
Craven	85	Very limited Low strength Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Not limited	
Eunola	8	Not Rated		Not Rated		Not Rated	
Ochraquits	7	Not Rated		Not Rated		Not Rated	
4A:							
Dogue	85	Very limited Low strength Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Too clayey	1.00 0.10 0.03	Not limited	

Table ENG-4. - Building Site Development - Continued

Gloucester 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
4A:							
Eunola	4	Not Rated		Not Rated		Not Rated	
Johns	4	Not Rated		Not Rated		Not Rated	
Okeetee	4	Not Rated		Not Rated		Not Rated	
Meggett	3	Not Rated		Not Rated		Not Rated	
4B:							
Dogue	85	Very limited Low strength Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Too clayey	1.00 0.10 0.03	Not limited	
Eunola	4	Not Rated		Not Rated		Not Rated	
Johns	4	Not Rated		Not Rated		Not Rated	
Okeetee	4	Not Rated		Not Rated		Not Rated	
Meggett	3	Not Rated		Not Rated		Not Rated	
5A:							
Emporia	85	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone Cutbanks cave	0.73 0.10	Not limited	
Kempsville	8	Not Rated		Not Rated		Not Rated	
Wrightsboro	7	Not Rated		Not Rated		Not Rated	
5B:							
Emporia	85	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone Cutbanks cave	0.73 0.10	Not limited	
Kempsville	8	Not Rated		Not Rated		Not Rated	
Wrightsboro	7	Not Rated		Not Rated		Not Rated	
6:							
Eunola	15	Somewhat limited Depth to saturated zone	0.19	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.19
Haplaquepts	4	Not Rated		Not Rated		Not Rated	

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
6:							
Kempsville	4	Not Rated		Not Rated		Not Rated	
Suffolk	4	Not Rated		Not Rated		Not Rated	
Ochraquults	3	Not Rated		Not Rated		Not Rated	
7:							
Fluvaquents	95	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
				Flooding	0.80		
Sulfaquents	5	Not Rated		Not Rated		Not Rated	
8:							
Fluvaquents, saline	90	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	Sodium content	1.00
				Cutbanks cave	0.10	Depth to saturated zone	1.00
Sulfaquents	10	Not Rated		Not Rated		Not Rated	
9C:							
Hapludults	90	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.37	Slope	0.37	Slope	0.37
				Cutbanks cave	0.10		
Psamments	10	Not Rated		Not Rated		Not Rated	
9D:							
Hapludults	90	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	0.10		
Psamments	10	Not Rated		Not Rated		Not Rated	
10:							
Johns	90	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		
Lumbee	4	Not Rated		Not Rated		Not Rated	
Eunola	3	Not Rated		Not Rated		Not Rated	
Kalmia	3	Not Rated		Not Rated		Not Rated	

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Table ENG-4. - Building Site Development - Continued

Gloucester 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
11:							
Johns variant	90	Somewhat limited Depth to saturated zone	0.78	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Somewhat limited Depth to saturated zone	0.78
Lumbee variant	5	Not Rated		Not Rated		Not Rated	
Rumford	5	Not Rated		Not Rated		Not Rated	
12B:							
Kalmia	90	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.04
Johns	5	Not Rated		Not Rated		Not Rated	
Rumford	5	Not Rated		Not Rated		Not Rated	
13A:							
Kempsville	90	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
Suffolk	4	Not Rated		Not Rated		Not Rated	
Emporia	3	Not Rated		Not Rated		Not Rated	
Eunola	3	Not Rated		Not Rated		Not Rated	
13B:							
Kempsville	90	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
Suffolk	4	Not Rated		Not Rated		Not Rated	
Emporia	3	Not Rated		Not Rated		Not Rated	
Eunola	3	Not Rated		Not Rated		Not Rated	
14B:							
Kenansville	85	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.25
Kenansville variant	5	Not Rated		Not Rated		Not Rated	
Rumford	5	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
15:							
Kenansville variant	85	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.32

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
15:							
Eunola	8	Not Rated		Not Rated		Not Rated	
Kenansville	7	Not Rated		Not Rated		Not Rated	
16:							
Lumbee	85	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone	1.00
Johns	5	Not Rated		Not Rated		Not Rated	
Lumbee variant	5	Not Rated		Not Rated		Not Rated	
Meggett	5	Not Rated		Not Rated		Not Rated	
17:							
Lumbee variant	85	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone	1.00
Lumbee	8	Not Rated		Not Rated		Not Rated	
Johns variant	7	Not Rated		Not Rated		Not Rated	
18:							
Meggett	85	Very limited Depth to saturated zone Shrink-swell Low strength	1.00 1.00 0.78	Very limited Depth to saturated zone Cutbanks cave Too clayey	1.00 1.00 0.13	Very limited Depth to saturated zone	1.00
Dogue	5	Not Rated		Not Rated		Not Rated	
Lumbee	5	Not Rated		Not Rated		Not Rated	
Okeetee	5	Not Rated		Not Rated		Not Rated	
19:							
Ochlockonee	40	Not limited		Very limited Cutbanks cave Depth to saturated zone	1.00 0.83	Not limited	
Ochlockonee variant	30	Not limited		Somewhat limited Depth to saturated zone Cutbanks cave	0.83 0.10	Somewhat limited Droughty	0.03
Fluvaquents	10	Not Rated		Not Rated		Not Rated	

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
19:							
Hapludults	10	Not Rated		Not Rated		Not Rated	
Psamments	10	Not Rated		Not Rated		Not Rated	
20:							
Ochraquults	95	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	0.22	Cutbanks cave	0.10		
Wrightsboro	5	Not Rated		Not Rated		Not Rated	
21:							
Ochraquults	60	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	0.22	Cutbanks cave	0.10		
Haplaquepts	30	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.78	Depth to saturated zone	1.00	Depth to saturated zone	0.78
				Cutbanks cave	1.00		
Eunola	10	Not Rated		Not Rated		Not Rated	
22:							
Okeetee	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	Too clayey	0.28		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Meggett	8	Not Rated		Not Rated		Not Rated	
Dogue	7	Not Rated		Not Rated		Not Rated	
23:							
Osier	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
				Flooding	0.80	Droughty	0.28
Lumbee variant	5	Not Rated		Not Rated		Not Rated	
Pactolus	5	Not Rated		Not Rated		Not Rated	
24B:							

Table ENG-4. - Building Site Development - Continued

Gloucester 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
24B:							
Pactolus	90	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.19	Cutbanks cave	1.00	Droughty	0.95
				Depth to saturated zone	1.00	Depth to saturated zone	0.19
Alaga	5	Not Rated		Not Rated		Not Rated	
Osier	5	Not Rated		Not Rated		Not Rated	
25:							
Pamlico	50	Very limited		Very limited		Not Rated	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00		
		Subsidence	1.00	Cutbanks cave	1.00		
Portsmouth	30	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	0.78	Cutbanks cave	1.00		
Lumbee	5	Not Rated		Not Rated		Not Rated	
Lumbee variant	5	Not Rated		Not Rated		Not Rated	
Meggett	5	Not Rated		Not Rated		Not Rated	
Osier	5	Not Rated		Not Rated		Not Rated	
26A:							
Psammments	90	Somewhat limited		Very limited		Not Rated	
		Depth to saturated zone	0.19	Cutbanks cave	1.00		
				Depth to saturated zone	1.00		
Ponded areas	5	Not Rated		Not Rated		Not Rated	
Wet spots	5	Not Rated		Not Rated		Not Rated	
27C:							
Psammments	50	Somewhat limited		Very limited		Not Rated	
		Slope	0.37	Cutbanks cave	1.00		
		Depth to saturated zone	0.19	Depth to saturated zone	1.00		
				Slope	0.37		
Hapludults	30	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.75	Depth to saturated zone	1.00	Depth to saturated zone	0.75
		Slope	0.37	Slope	0.37	Slope	0.37
				Cutbanks cave	0.10		

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Gloucester 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
27C:							
Kempsville	10	Not Rated		Not Rated		Not Rated	
Suffolk	10	Not Rated		Not Rated		Not Rated	
27D:							
Psammets	50	Very limited		Very limited		Not Rated	
		Slope	1.00	Slope	1.00		
		Depth to saturated zone	0.19	Cutbanks cave	1.00		
Hapludults	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to saturated zone	0.75	Depth to saturated zone	1.00	Depth to saturated zone	0.75
				Cutbanks cave	0.10		
Sand pits	15	Not Rated		Not Rated		Not Rated	
Wet soils	5	Not Rated		Not Rated		Not Rated	
28A:							
Rumford	90	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
Alaga	5	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
28B:							
Rumford	90	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
Alaga	5	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
28C:							
Rumford	90	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
Alaga	5	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
29A:							
Suffolk	90	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
Eunola	4	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Gloucester 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
29A:							
Kempsville	3	Not Rated		Not Rated		Not Rated	
Rumford	3	Not Rated		Not Rated		Not Rated	
29B:							
Suffolk	90	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Eunola	4	Not Rated		Not Rated		Not Rated	
Kempsville	3	Not Rated		Not Rated		Not Rated	
Rumford	3	Not Rated		Not Rated		Not Rated	
29C:							
Suffolk	85	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Hapludults	5	Not Rated		Not Rated		Not Rated	
Psamments	5	Not Rated		Not Rated		Not Rated	
Rumford	5	Not Rated		Not Rated		Not Rated	
30:							
Sulfaquents	90	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Flooding	1.00	Depth to saturated zone	1.00	Salinity	1.00
		Low strength	1.00	Too clayey	0.28	Sodium content	1.00
Fluvaquents	10	Not Rated		Not Rated		Not Rated	
31A:							
Wrightsboro	90	Not limited		Very limited Depth to saturated zone	1.00	Not limited	
				Cutbanks cave	0.10		
Emporia	5	Not Rated		Not Rated		Not Rated	
Ochraquults	5	Not Rated		Not Rated		Not Rated	
31B:							
Wrightsboro	90	Not limited		Very limited Depth to saturated zone	1.00	Not limited	
				Cutbanks cave	0.10		
Emporia	5	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Gloucester 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
31B:							
Ochraquults	5	Not Rated		Not Rated		Not Rated	
Ns:							
Not surveyed	100	Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	