

Table ENG-2. - Construction Materials

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 columns range from 0.00 to 0.99. The smaller the value, the greater the limitation.

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1B:							
Alaga	85	Poor		Good		Fair	
		Wind erosion	0.00			Too sandy	0.01
		Too sandy	0.01			Too acid	0.76
		Low content of organic matter	0.13				
Rumford	8	Not Rated		Not Rated		Not Rated	
Pactolus	7	Not Rated		Not Rated		Not Rated	
2B:							
Caroline	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Shrink-swell	0.91	Too acid	0.60
		Low content of organic matter	0.13				
Emporia	8	Not Rated		Not Rated		Not Rated	
Craven	7	Not Rated		Not Rated		Not Rated	
3A:							
Craven	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Depth to saturated zone	0.89	Too acid	0.60
		Low content of organic matter	0.13	Shrink-swell	0.93	Depth to saturated zone	0.89
Eunola	8	Not Rated		Not Rated		Not Rated	
Ochraquils	7	Not Rated		Not Rated		Not Rated	
3B:							
Craven	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Depth to saturated zone	0.89	Too acid	0.60
		Low content of organic matter	0.13	Shrink-swell	0.93	Depth to saturated zone	0.89
Eunola	8	Not Rated		Not Rated		Not Rated	
Ochraquils	7	Not Rated		Not Rated		Not Rated	
4A:							

Table ENG-2. - Construction Materials - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
4A:							
Dogue	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Depth to saturated zone	0.89	Too acid	0.60
		Low content of organic matter	0.13	Shrink-swell	0.97	Depth to saturated zone	0.89
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	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Depth to saturated zone	0.89	Too acid	0.60
		Low content of organic matter	0.13	Shrink-swell	0.97	Depth to saturated zone	0.89
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	Fair		Good		Fair	
		Low content of organic matter	0.13			Too acid	0.98
		Too acid	0.54				
Kempsville	8	Not Rated		Not Rated		Not Rated	
Wrightsboro	7	Not Rated		Not Rated		Not Rated	
5B:							
Emporia	85	Fair		Good		Fair	
		Low content of organic matter	0.13			Too acid	0.98
		Too acid	0.54				
Kempsville	8	Not Rated		Not Rated		Not Rated	
Wrightsboro	7	Not Rated		Not Rated		Not Rated	

6:

Table ENG-2. - Construction Materials - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
6:							
Eunola	15	Poor		Fair		Fair	
		Wind erosion	0.00	Depth to saturated zone	0.53	Depth to saturated zone	0.53
		Low content of organic matter	0.00			Too acid	0.88
		Too acid	0.50				
Haplaquepts	4	Not Rated		Not Rated		Not Rated	
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	Fair		Poor		Poor	
		Too acid	0.32	Depth to saturated zone	0.00	Depth to saturated zone	0.00
						Hard to reclaim	0.46
						Too acid	0.88
Sulfaquents	5	Not Rated		Not Rated		Not Rated	
8:							
Fluvaquents, saline	90	Poor		Poor		Poor	
		Low content of organic matter	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Sodium content	0.00			Sodium content	0.00
						Salinity	0.50
Sulfaquents	10	Not Rated		Not Rated		Not Rated	
9C:							
Hapludults	90	Fair		Good		Fair	
		Too acid	0.12			Too acid	0.60
		Low content of organic matter	0.13			Slope	0.63
Psamments	10	Not Rated		Not Rated		Not Rated	
9D:							
Hapludults	90	Fair		Fair		Poor	
		Too acid	0.12	Slope	0.08	Slope	0.00
		Low content of organic matter	0.13			Too acid	0.60
Psamments	10	Not Rated		Not Rated		Not Rated	
10:							

Table ENG-2. - Construction Materials - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
10:							
Johns	90	Poor		Fair		Fair	
		Low content of organic matter	0.00	Depth to saturated zone	0.53	Depth to saturated zone	0.53
		Too acid	0.50			Too acid	0.88
Lumbee	4	Not Rated		Not Rated		Not Rated	
Eunola	3	Not Rated		Not Rated		Not Rated	
Kalmia	3	Not Rated		Not Rated		Not Rated	
11:							
Johns variant	90	Poor		Fair		Fair	
		Wind erosion	0.00	Depth to saturated zone	0.13	Depth to saturated zone	0.13
		Low content of organic matter	0.00				
		Water erosion	0.68				
Lumbee variant	5	Not Rated		Not Rated		Not Rated	
Rumford	5	Not Rated		Not Rated		Not Rated	
12B:							
Kalmia	90	Poor		Good		Fair	
		Wind erosion	0.00			Too acid	0.98
		Low content of organic matter	0.00			Not too sandy	>0.99
		Too acid	0.50				
Johns	5	Not Rated		Not Rated		Not Rated	
Rumford	5	Not Rated		Not Rated		Not Rated	
13A:							
Kempsville	90	Poor		Good		Fair	
		Low content of organic matter	0.00			Too acid	0.98
		Too acid	0.54				
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	Poor		Good		Fair	
		Low content of organic matter	0.00			Too acid	0.98
		Too acid	0.54				

Table ENG-2. - Construction Materials - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
13B:							
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	Poor		Good		Fair	
		Wind erosion	0.00			Too sandy	0.01
		Too sandy	0.01			Too acid	0.98
		Too acid	0.54				
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	Poor		Good		Fair	
		Wind erosion	0.00			Too sandy	0.01
		Too sandy	0.01			Too acid	0.98
		Too acid	0.54				
Eunola	8	Not Rated		Not Rated		Not Rated	
Kenansville	7	Not Rated		Not Rated		Not Rated	
16:							
Lumbee	85	Fair		Poor		Poor	
		Low content of organic matter	0.02	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too acid	0.50			Too acid	0.88
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	Fair		Poor		Poor	
		Low content of organic matter	0.02	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too acid	0.50			Too acid	0.88
Lumbee	8	Not Rated		Not Rated		Not Rated	
Johns variant	7	Not Rated		Not Rated		Not Rated	

18:

Table ENG-2. - Construction Materials - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
18:							
Meggett	85	Poor		Poor		Poor	
		Low content of organic matter	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too clayey	0.00	Low strength	0.22	Too Clayey	0.00
		Too acid	0.68	Shrink-swell	0.26	Hard to reclaim	0.00
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	Fair		Good		Fair	
		Too acid	0.50			Too acid	0.88
		Low content of organic matter	0.88				
Ochlockonee variant	30	Poor		Good		Fair	
		Wind erosion	0.00			Too acid	0.88
		Too acid	0.50				
		Low content of organic matter	0.88				
Fluvaquents	10	Not Rated		Not Rated		Not Rated	
Hapludults	10	Not Rated		Not Rated		Not Rated	
Psamments	10	Not Rated		Not Rated		Not Rated	
20:							
Ochraquults	95	Fair		Poor		Poor	
		Too acid	0.50	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.88	Low strength	0.78	Too acid	0.60
Wrightsboro	5	Not Rated		Not Rated		Not Rated	
21:							
Ochraquults	60	Fair		Poor		Poor	
		Too acid	0.50	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.88	Low strength	0.78	Too acid	0.60
Haplaquepts	30	Fair		Fair		Fair	
		Too acid	0.50	Depth to saturated zone	0.13	Depth to saturated zone	0.13
						Too acid	0.88
Eunola	10	Not Rated		Not Rated		Not Rated	
22:							

Table ENG-2. - Construction Materials - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
22:							
Okeetee	85	Poor		Poor		Poor	
		Too clayey	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.13	Low strength	0.00	Hard to reclaim	0.00
		Too acid	0.68	Shrink-swell	0.97	Too Clayey	0.00
Meggett	8	Not Rated		Not Rated		Not Rated	
Dogue	7	Not Rated		Not Rated		Not Rated	
23:							
Osier	90	Poor		Poor		Poor	
		Too sandy	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.13			Too sandy	0.00
		Too acid	0.50			Too acid	0.76
Lumbee variant	5	Not Rated		Not Rated		Not Rated	
Pactolus	5	Not Rated		Not Rated		Not Rated	
24B:							
Pactolus	90	Poor		Fair		Fair	
		Wind erosion	0.00	Depth to saturated zone	0.53	Too sandy	0.01
		Low content of organic matter	0.00			Depth to saturated zone	0.53
		Too sandy	0.01			Too acid	0.88
Alaga	5	Not Rated		Not Rated		Not Rated	
Osier	5	Not Rated		Not Rated		Not Rated	
25:							
Pamlico	50	Poor		Poor		Poor	
		Too sandy	0.00	Depth to saturated zone	0.00	Too sandy	0.00
		Wind erosion	0.00			Depth to saturated zone	0.00
		Low content of organic matter	0.00			Too acid	0.92
Portsmouth	30	Poor		Poor		Poor	
		Low content of organic matter	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too acid	0.50			Too acid	0.13
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	

Table ENG-2. - Construction Materials - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
26A:							
Psamments	90	Poor		Fair		Poor	
		Too sandy	0.00	Depth to saturated zone	0.53	Too sandy	0.00
		Low content of organic matter	0.13			Depth to saturated zone	0.53
		Droughty	0.13				
Ponded areas	5	Not Rated		Not Rated		Not Rated	
Wet spots	5	Not Rated		Not Rated		Not Rated	
27C:							
Psamments	50	Poor		Fair		Poor	
		Too sandy	0.00	Depth to saturated zone	0.53	Too sandy	0.00
		Low content of organic matter	0.13			Depth to saturated zone	0.53
		Droughty	0.13			Slope	0.63
Hapludults	30	Fair		Fair		Fair	
		Too acid	0.12	Depth to saturated zone	0.14	Depth to saturated zone	0.14
		Low content of organic matter	0.13			Too acid	0.60
						Slope	0.63
Kempsville	10	Not Rated		Not Rated		Not Rated	
Suffolk	10	Not Rated		Not Rated		Not Rated	
27D:							
Psamments	50	Poor		Poor		Poor	
		Too sandy	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Depth to saturated zone	0.53	Too sandy	0.00
		Droughty	0.13			Depth to saturated zone	0.53
Hapludults	30	Fair		Poor		Poor	
		Too acid	0.12	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Depth to saturated zone	0.14	Depth to saturated zone	0.14
						Too acid	0.60
Sand pits	15	Not Rated		Not Rated		Not Rated	
Wet soils	5	Not Rated		Not Rated		Not Rated	
28A:							
Rumford	90	Poor		Good		Fair	
		Wind erosion	0.00			Too acid	0.98
		Low content of organic matter	0.00			Too sandy	>0.99
		Too acid	0.54				

Table ENG-2. - Construction Materials - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
28A:							
Alaga	5	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
28B:							
Rumford	90	Poor		Good		Fair	
		Wind erosion	0.00			Too acid	0.98
		Low content of organic matter	0.00			Too sandy	>0.99
		Too acid	0.54				
Alaga	5	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
28C:							
Rumford	90	Poor		Good		Fair	
		Wind erosion	0.00			Too acid	0.98
		Low content of organic matter	0.00			Too sandy	>0.99
		Too acid	0.54				
Alaga	5	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
29A:							
Suffolk	90	Poor		Good		Fair	
		Low content of organic matter	0.00			Too acid	0.76
		Too acid	0.21				
Eunola	4	Not Rated		Not Rated		Not Rated	
Kempsville	3	Not Rated		Not Rated		Not Rated	
Rumford	3	Not Rated		Not Rated		Not Rated	
29B:							
Suffolk	90	Poor		Good		Fair	
		Low content of organic matter	0.00			Too acid	0.76
		Too acid	0.21				
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:							

Table ENG-2. - Construction Materials - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
29C:							
Suffolk	85	Poor Low content of organic matter Too acid	0.00 0.21	Good		Fair Too acid	0.76
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	Poor Sodium content Salinity Too clayey	0.00 0.00 0.76	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.13	Poor Depth to saturated zone Sodium content Salinity	0.00 0.00 0.00 0.00
Fluvaquents	10	Not Rated		Not Rated		Not Rated	
31A:							
Wrightsboro	90	Fair Low content of organic matter Too acid	0.13 0.54	Fair Depth to saturated zone	0.89	Fair Depth to saturated zone Too acid	0.89 0.98
Emporia	5	Not Rated		Not Rated		Not Rated	
Ochraquults	5	Not Rated		Not Rated		Not Rated	
31B:							
Wrightsboro	90	Fair Low content of organic matter Too acid	0.13 0.54	Fair Depth to saturated zone	0.89	Fair Depth to saturated zone Too acid	0.89 0.98
Emporia	5	Not Rated		Not Rated		Not Rated	
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	