

Table ENG-1. - Construction Materials

Richmond 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 greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel.

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1:					
Atlee	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Savannah	7	Not Rated		Not Rated	
Emporia	5	Not Rated		Not Rated	
Kempsville	5	Not Rated		Not Rated	
2:					
Bibb	45	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.09
		Thickest layer	0.00	Bottom layer	0.56
Levy	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Rappahannock	5	Not Rated		Not Rated	
3B:					
Catpoint	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.73
		Thickest layer	0.00	Bottom layer	0.94
Rumford	8	Not Rated		Not Rated	
Nansemond	7	Not Rated		Not Rated	
4B:					
Dogue	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Savannah	5	Not Rated		Not Rated	
Emporia	4	Not Rated		Not Rated	
Kempsville	3	Not Rated		Not Rated	
Suffolk	3	Not Rated		Not Rated	

5B:

Table ENG-1. - Construction Materials - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
5B:					
Emporia	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.05
Kempsville	8	Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated	
Savannah	2	Not Rated		Not Rated	
6B:					
Kempsville	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.06
		Thickest layer	0.00	Bottom layer	0.07
Emporia	8	Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated	
Savannah	2	Not Rated		Not Rated	
7:					
Kempsville	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.07
Emporia	8	Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated	
Savannah	2	Not Rated		Not Rated	
8:					
Leaf	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Wahee	6	Not Rated		Not Rated	
Yemassee	5	Not Rated		Not Rated	
Tomotley	4	Not Rated		Not Rated	
9:					
Lumbee	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.52
Tomotley	5	Not Rated		Not Rated	

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
9:					
Tetotum	3	Not Rated		Not Rated	
Nansemond	2	Not Rated		Not Rated	
10:					
Nansemond	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.09
		Thickest layer	0.00	Bottom layer	0.97
State	5	Not Rated		Not Rated	
Rumford	4	Not Rated		Not Rated	
Lumbee	3	Not Rated		Not Rated	
Tetotum	3	Not Rated		Not Rated	
11:					
Pamunkey	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.07
Rumford	7	Not Rated		Not Rated	
Moderately well drained soils	3	Not Rated		Not Rated	
12:					
Pits	90	Not Rated		Not Rated	
Fill material	6	Not Rated		Not Rated	
Water	4	Not Rated		Not Rated	
13:					
Rappahannock	70	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.07
		No organic matter limitation	>0.99	No organic matter limitation	>0.99
Bibb	10	Not Rated		Not Rated	
Levy	10	Not Rated		Not Rated	
Tidal pool	10	Not Rated		Not Rated	
14B:					
Rumford	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.09
		Thickest layer	0.00	Bottom layer	0.89

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
14B:					
Catpoint	5	Not Rated		Not Rated	
Pamunkey	4	Not Rated		Not Rated	
Nansemond	3	Not Rated		Not Rated	
Tomotley	3	Not Rated		Not Rated	
15E:					
Rumford	65	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.09
		Thickest layer	0.00	Bottom layer	0.89
Suffolk	10	Not Rated		Not Rated	
Emporia	9	Not Rated		Not Rated	
Kempsville	9	Not Rated		Not Rated	
Bibb	3	Not Rated		Not Rated	
Levy	2	Not Rated		Not Rated	
seeps	2	Not Rated		Not Rated	
16D:					
Rumford	45	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.09
		Thickest layer	0.00	Bottom layer	0.89
Tetotum	30	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.07
Suffolk	7	Not Rated		Not Rated	
Emporia	6	Not Rated		Not Rated	
Kempsville	5	Not Rated		Not Rated	
Bibb	3	Not Rated		Not Rated	
Levy	2	Not Rated		Not Rated	
seeps	2	Not Rated		Not Rated	
17A:					
Savannah	75	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.06

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
17A:					
Kempsville	10	Not Rated		Not Rated	
Suffolk	9	Not Rated		Not Rated	
Emporia	6	Not Rated		Not Rated	
17B:					
Savannah	75	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.06
Kempsville	10	Not Rated		Not Rated	
Suffolk	9	Not Rated		Not Rated	
Emporia	6	Not Rated		Not Rated	
18A:					
State	70	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.10
Rumford	12	Not Rated		Not Rated	
Suffolk	10	Not Rated		Not Rated	
Tetotum	8	Not Rated		Not Rated	
18B:					
State	70	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.10
Rumford	12	Not Rated		Not Rated	
Suffolk	10	Not Rated		Not Rated	
Tetotum	8	Not Rated		Not Rated	
19A:					
Suffolk	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.41
Emporia	5	Not Rated		Not Rated	
Savannah	4	Not Rated		Not Rated	
State	4	Not Rated		Not Rated	

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
19A:					
Tetotum	2	Not Rated		Not Rated	
19B:					
Suffolk	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.41
Emporia	8	Not Rated		Not Rated	
Savannah	7	Not Rated		Not Rated	
20A:					
Tetotum	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.07
Nansemond	5	Not Rated		Not Rated	
State	5	Not Rated		Not Rated	
Yemassee	5	Not Rated		Not Rated	
20B:					
Tetotum	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.07
State	4	Not Rated		Not Rated	
Yemassee	3	Not Rated		Not Rated	
Nansemond	2	Not Rated		Not Rated	
Rumford	1	Not Rated		Not Rated	
21:					
Tomotley	80	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.03
Tetotum	7	Not Rated		Not Rated	
Yemassee	7	Not Rated		Not Rated	
Nansemond	4	Not Rated		Not Rated	
Leaf	2	Not Rated		Not Rated	
22:					

Table ENG-1. - Construction Materials - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
22:					
Wahee	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.03
Leaf	4	Not Rated		Not Rated	
Tetotum	3	Not Rated		Not Rated	
Yemassee	3	Not Rated		Not Rated	
23:					
Yemassee	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.07
Leaf	2	Not Rated		Not Rated	
Nansemond	2	Not Rated		Not Rated	
Tetotum	2	Not Rated		Not Rated	
Tomotley	2	Not Rated		Not Rated	
Wahee	2	Not Rated		Not Rated	
W:					
Water	100	Not Rated		Not Rated	