

Table ENG-3. - Building Site Development

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 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	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1:							
Atlee	80	Somewhat limited Depth to saturated zone	0.39	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone	0.39
Savannah	7	Not Rated		Not Rated		Not Rated	
Emporia	5	Not Rated		Not Rated		Not Rated	
Kempsville	5	Not Rated		Not Rated		Not Rated	
2:							
Bibb	45	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00
Levy	35	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 1.00	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 1.00	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 1.00
Rappahannock	5	Not Rated		Not Rated		Not Rated	
3B:							
Catpoint	85	Not limited		Somewhat limited Depth to saturated zone	0.15	Not limited	
Rumford	8	Not Rated		Not Rated		Not Rated	
Nansemond	7	Not Rated		Not Rated		Not Rated	
4B:							
Dogue	85	Somewhat limited Shrink-swell Depth to saturated zone	0.50 0.07	Very limited Depth to saturated zone	1.00	Somewhat limited Shrink-swell Depth to saturated zone	0.50 0.07
Savannah	5	Not Rated		Not Rated		Not Rated	
Emporia	4	Not Rated		Not Rated		Not Rated	
Kempsville	3	Not Rated		Not Rated		Not Rated	
Suffolk	3	Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
5B:							
Emporia	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone Shrink-swell	0.73 0.50	Somewhat limited Shrink-swell	0.50
Kempsville	8	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
Savannah	2	Not Rated		Not Rated		Not Rated	
6B:							
Kempsville	85	Not limited		Not limited		Not limited	
Emporia	8	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
Savannah	2	Not Rated		Not Rated		Not Rated	
7:							
Kempsville	85	Not limited		Not limited		Not limited	
Emporia	8	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
Savannah	2	Not Rated		Not Rated		Not Rated	
8:							
Leaf	85	Very limited Flooding Shrink-swell Depth to saturated zone	1.00 1.00 1.00	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 1.00	Very limited Flooding Shrink-swell Depth to saturated zone	1.00 1.00 1.00
Wahee	6	Not Rated		Not Rated		Not Rated	
Yemassee	5	Not Rated		Not Rated		Not Rated	
Tomotley	4	Not Rated		Not Rated		Not Rated	
9:							
Lumbee	90	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00
Tomotley	5	Not Rated		Not Rated		Not Rated	
Tetotum	3	Not Rated		Not Rated		Not Rated	

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Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
9: Nansemond	2	Not Rated		Not Rated		Not Rated	
10: Nansemond	85	Somewhat limited Depth to saturated zone	0.39	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.39
State	5	Not Rated		Not Rated		Not Rated	
Rumford	4	Not Rated		Not Rated		Not Rated	
Lumbee	3	Not Rated		Not Rated		Not Rated	
Tetotum	3	Not Rated		Not Rated		Not Rated	
11: Pamunkey	90	Not limited		Somewhat limited Depth to saturated zone	0.15	Not limited	
Rumford	7	Not Rated		Not Rated		Not Rated	
Moderately well drained soils	3	Not Rated		Not Rated		Not Rated	
12: Pits	90	Not Rated		Not Rated		Not Rated	
Fill material	6	Not Rated		Not Rated		Not Rated	
Water	4	Not Rated		Not Rated		Not Rated	
13: Rappahannock	70	Very limited Ponding Flooding Depth to saturated zone	1.00 1.00 1.00	Very limited Ponding Flooding Depth to saturated zone	1.00 1.00 1.00	Very limited Ponding Flooding Depth to saturated zone	1.00 1.00 1.00
Bibb	10	Not Rated		Not Rated		Not Rated	
Levy	10	Not Rated		Not Rated		Not Rated	
Tidal pool	10	Not Rated		Not Rated		Not Rated	
14B: Rumford	85	Not limited		Not limited		Not limited	
Catpoint	5	Not Rated		Not Rated		Not Rated	
Pamunkey	4	Not Rated		Not Rated		Not Rated	

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
14B:							
Nansemond	3	Not Rated		Not Rated		Not Rated	
Tomotley	3	Not Rated		Not Rated		Not Rated	
15E:							
Rumford	65	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Suffolk	10	Not Rated		Not Rated		Not Rated	
Emporia	9	Not Rated		Not Rated		Not Rated	
Kempsville	9	Not Rated		Not Rated		Not Rated	
Bibb	3	Not Rated		Not Rated		Not Rated	
Levy	2	Not Rated		Not Rated		Not Rated	
seeps	2	Not Rated		Not Rated		Not Rated	
16D:							
Rumford	45	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Tetotum	30	Somewhat limited Depth to saturated zone Slope	0.39 0.37	Very limited Depth to saturated zone Slope	1.00 0.37	Very limited Slope Depth to saturated zone	1.00 0.39
Suffolk	7	Not Rated		Not Rated		Not Rated	
Emporia	6	Not Rated		Not Rated		Not Rated	
Kempsville	5	Not Rated		Not Rated		Not Rated	
Bibb	3	Not Rated		Not Rated		Not Rated	
Levy	2	Not Rated		Not Rated		Not Rated	
seeps	2	Not Rated		Not Rated		Not Rated	
17A:							
Savannah	75	Very limited Depth to thick cemented pan Depth to saturated zone	1.00 0.07	Very limited Depth to thick cemented pan Depth to saturated zone	1.00 1.00	Very limited Depth to thick cemented pan Depth to saturated zone	1.00 0.07
Kempsville	10	Not Rated		Not Rated		Not Rated	
Suffolk	9	Not Rated		Not Rated		Not Rated	

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
17A:							
Emporia	6	Not Rated		Not Rated		Not Rated	
17B:							
Savannah	75	Very limited		Very limited		Very limited	
		Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00
		Depth to saturated zone	0.07	Depth to saturated zone	1.00	Depth to saturated zone	0.07
Kempsville	10	Not Rated		Not Rated		Not Rated	
Suffolk	9	Not Rated		Not Rated		Not Rated	
Emporia	6	Not Rated		Not Rated		Not Rated	
18A:							
State	70	Not limited		Somewhat limited		Not limited	
				Depth to saturated zone	0.15		
Rumford	12	Not Rated		Not Rated		Not Rated	
Suffolk	10	Not Rated		Not Rated		Not Rated	
Tetotum	8	Not Rated		Not Rated		Not Rated	
18B:							
State	70	Not limited		Somewhat limited		Not limited	
				Depth to saturated zone	0.15		
Rumford	12	Not Rated		Not Rated		Not Rated	
Suffolk	10	Not Rated		Not Rated		Not Rated	
Tetotum	8	Not Rated		Not Rated		Not Rated	
19A:							
Suffolk	85	Not limited		Not limited		Not limited	
Emporia	5	Not Rated		Not Rated		Not Rated	
Savannah	4	Not Rated		Not Rated		Not Rated	
State	4	Not Rated		Not Rated		Not Rated	
Tetotum	2	Not Rated		Not Rated		Not Rated	
19B:							
Suffolk	85	Not limited		Not limited		Not limited	

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
19B:							
Emporia	8	Not Rated		Not Rated		Not Rated	
Savannah	7	Not Rated		Not Rated		Not Rated	
20A:							
Tetotum	85	Somewhat limited Depth to saturated zone	0.39	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.39
Nansemond	5	Not Rated		Not Rated		Not Rated	
State	5	Not Rated		Not Rated		Not Rated	
Yemassee	5	Not Rated		Not Rated		Not Rated	
20B:							
Tetotum	90	Somewhat limited Depth to saturated zone	0.39	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.39
State	4	Not Rated		Not Rated		Not Rated	
Yemassee	3	Not Rated		Not Rated		Not Rated	
Nansemond	2	Not Rated		Not Rated		Not Rated	
Rumford	1	Not Rated		Not Rated		Not Rated	
21:							
Tomotley	80	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
Tetotum	7	Not Rated		Not Rated		Not Rated	
Yemassee	7	Not Rated		Not Rated		Not Rated	
Nansemond	4	Not Rated		Not Rated		Not Rated	
Leaf	2	Not Rated		Not Rated		Not Rated	
22:							
Wahee	90	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Shrink-swell	1.00 0.50
Leaf	4	Not Rated		Not Rated		Not Rated	
Tetotum	3	Not Rated		Not Rated		Not Rated	

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Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
22: Yemassee	3	Not Rated		Not Rated		Not Rated	
23: Yemassee	90	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
Leaf	2	Not Rated		Not Rated		Not Rated	
Nansemond	2	Not Rated		Not Rated		Not Rated	
Tetotum	2	Not Rated		Not Rated		Not Rated	
Tomotley	2	Not Rated		Not Rated		Not Rated	
Wahee	2	Not Rated		Not Rated		Not Rated	
W: Water	100	Not Rated		Not Rated		Not Rated	