

Table ENG-3. - Building Site Development

Caroline 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
1A:							
Altavista	90	Very limited Flooding Depth to saturated zone	1.00 0.39	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 0.39
Chewacla	3	Not Rated		Not Rated		Not Rated	
Roanoke	3	Not Rated		Not Rated		Not Rated	
Chastain	2	Not Rated		Not Rated		Not Rated	
Riverview	1	Not Rated		Not Rated		Not Rated	
Tomotley	1	Not Rated		Not Rated		Not Rated	
1B:							
Altavista	90	Very limited Flooding Depth to saturated zone	1.00 0.39	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 0.39
Chastain	2	Not Rated		Not Rated		Not Rated	
Chewacla	2	Not Rated		Not Rated		Not Rated	
Riverview	2	Not Rated		Not Rated		Not Rated	
Roanoke	2	Not Rated		Not Rated		Not Rated	
Tomotley	2	Not Rated		Not Rated		Not Rated	
2B:							
Appling	80	Not limited		Not limited		Somewhat limited Slope	0.13
Emporia	10	Not Rated		Not Rated		Not Rated	
Helena	10	Not Rated		Not Rated		Not Rated	
2C:							
Appling	90	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Emporia	6	Not Rated		Not Rated		Not Rated	
Helena	4	Not Rated		Not Rated		Not Rated	

3A:

Table ENG-3. - Building Site Development - Continued

Caroline County, Virginia

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
3A:							
Bama	90	Not limited		Not limited		Not limited	
Emporia	6	Not Rated		Not Rated		Not Rated	
Slagle	4	Not Rated		Not Rated		Not Rated	
3B:							
Bama	90	Not limited		Not limited		Not limited	
Emporia	6	Not Rated		Not Rated		Not Rated	
Slagle	4	Not Rated		Not Rated		Not Rated	
4A:							
Bibb	70	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
Chastain	15	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50
Chewacla	5	Not Rated		Not Rated		Not Rated	
fine loamy poorly drained soils	4	Not Rated		Not Rated		Not Rated	
ponded soils	3	Not Rated		Not Rated		Not Rated	
very poorly drained muck soils	3	Not Rated		Not Rated		Not Rated	
5B:							
Bojac	85	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.15	Very limited Flooding	1.00
Altavista	5	Not Rated		Not Rated		Not Rated	
Chewacla	4	Not Rated		Not Rated		Not Rated	
Riverview	3	Not Rated		Not Rated		Not Rated	
Tarboro	3	Not Rated		Not Rated		Not Rated	
6B:							
Cecil	90	Not limited		Not limited		Somewhat limited Slope	0.13

Table ENG-3. - Building Site Development - Continued

Caroline County, Virginia

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
6B:							
Emporia	5	Not Rated		Not Rated		Not Rated	
Helena	5	Not Rated		Not Rated		Not Rated	
7A:							
Chastain	95	Very limited		Very limited		Very limited	
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Roanoke	2	Not Rated		Not Rated		Not Rated	
Rappahannock	1	Not Rated		Not Rated		Not Rated	
Riverview	1	Not Rated		Not Rated		Not Rated	
Tomotley	1	Not Rated		Not Rated		Not Rated	
8A:							
Chewacla	75	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Altavista	5	Not Rated		Not Rated		Not Rated	
Bojac	4	Not Rated		Not Rated		Not Rated	
Chastain	4	Not Rated		Not Rated		Not Rated	
Riverview	4	Not Rated		Not Rated		Not Rated	
Roanoke	4	Not Rated		Not Rated		Not Rated	
Tomotley	3	Not Rated		Not Rated		Not Rated	
Rappahannock	1	Not Rated		Not Rated		Not Rated	
9C:							
Helena	65	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to saturated zone	0.44	Depth to saturated zone	1.00	Slope	1.00
		Slope	0.04	Slope	0.04	Depth to saturated zone	0.44
Appling	20	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
Emporia	6	Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Caroline County, Virginia

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
9C:							
somewhat poorly drained to poorly drained, fine loamy to cla	5	Not Rated		Not Rated		Not Rated	
well drained clayey soils	4	Not Rated		Not Rated		Not Rated	
10E:							
Kempsville	45	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Emporia	25	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Depth to saturated zone Shrink-swell	1.00 0.73 0.50	Very limited Slope Shrink-swell	1.00 0.50
Remlik	20	Very limited Slope	1.00	Very limited Slope Depth to saturated zone	1.00 0.15	Very limited Slope	1.00
Chastain	3	Not Rated		Not Rated		Not Rated	
Bibb	2	Not Rated		Not Rated		Not Rated	
11A:							
Kempsville	70	Not limited		Not limited		Not limited	
Emporia	30	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone Shrink-swell	0.73 0.50	Somewhat limited Shrink-swell	0.50
11B:							
Kempsville	60	Not limited		Not limited		Not limited	
Emporia	35	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone Shrink-swell	0.73 0.50	Somewhat limited Shrink-swell	0.50
Roanoke	3	Not Rated		Not Rated		Not Rated	
11C:							
Kempsville	65	Not limited		Not limited		Very limited Slope	1.00
Emporia	30	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone Shrink-swell	0.73 0.50	Very limited Slope Shrink-swell	1.00 0.50

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
11C:							
Roanoke	3	Not Rated		Not Rated		Not Rated	
12A:							
Myatt	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Slagle	10	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Depth to saturated zone	0.50 0.15	Somewhat limited Shrink-swell	0.50
Emporia	3	Not Rated		Not Rated		Not Rated	
Kempsville	2	Not Rated		Not Rated		Not Rated	
13E:							
Nevarc	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Shrink-swell	0.50	Depth to saturated zone	1.00	Shrink-swell	0.50
		Depth to saturated zone	0.07	Shrink-swell	0.50	Depth to saturated zone	0.07
Remilik	7	Not Rated		Not Rated		Not Rated	
Kempsville	6	Not Rated		Not Rated		Not Rated	
14:							
Pits, gravel	85	Not Rated		Not Rated		Not Rated	
Appling	3	Not Rated		Not Rated		Not Rated	
Emporia	3	Not Rated		Not Rated		Not Rated	
Kempsville	3	Not Rated		Not Rated		Not Rated	
Slagle	3	Not Rated		Not Rated		Not Rated	
Udorthents	3	Not Rated		Not Rated		Not Rated	
15A:							
Rappahannock	85	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Chastain	5	Not Rated		Not Rated		Not Rated	
Chewacla	5	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
15A:							
Riverview	5	Not Rated		Not Rated		Not Rated	
16B:							
Remlik	95	Not limited		Somewhat limited Depth to saturated zone	0.15	Not limited	
Emporia	3	Not Rated		Not Rated		Not Rated	
Slagle	2	Not Rated		Not Rated		Not Rated	
16C:							
Remlik	95	Somewhat limited Slope	0.37	Somewhat limited Slope Depth to saturated zone	0.37 0.15	Very limited Slope	1.00
Emporia	2	Not Rated		Not Rated		Not Rated	
Slagle	1	Not Rated		Not Rated		Not Rated	
16E:							
Remlik	90	Very limited Slope	1.00	Very limited Slope Depth to saturated zone	1.00 0.15	Very limited Slope	1.00
Emporia	4	Not Rated		Not Rated		Not Rated	
Nevarc	4	Not Rated		Not Rated		Not Rated	
17D:							
Rion	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Helena	2	Not Rated		Not Rated		Not Rated	
Wateree	2	Not Rated		Not Rated		Not Rated	
Rock outcrop	1	Not Rated		Not Rated		Not Rated	
18A:							
Riverview	80	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.61	Very limited Flooding	1.00
Altavista	4	Not Rated		Not Rated		Not Rated	
Bojac	4	Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Caroline County, Virginia

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
18A:							
Chastain	4	Not Rated		Not Rated		Not Rated	
Chewacla	4	Not Rated		Not Rated		Not Rated	
State	3	Not Rated		Not Rated		Not Rated	
Rappahannock	1	Not Rated		Not Rated		Not Rated	
19A:							
Roanoke	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Altavista	5	Not Rated		Not Rated		Not Rated	
Chastain	5	Not Rated		Not Rated		Not Rated	
Slagle	5	Not Rated		Not Rated		Not Rated	
20B:							
Rumford	95	Not limited		Not limited		Not limited	
Emporia	2	Not Rated		Not Rated		Not Rated	
Slagle	2	Not Rated		Not Rated		Not Rated	
20C:							
Rumford	95	Not limited		Not limited		Very limited Slope	1.00
Emporia	3	Not Rated		Not Rated		Not Rated	
Slagle	2	Not Rated		Not Rated		Not Rated	
20D:							
Rumford	90	Somewhat limited Slope	0.84	Somewhat limited Slope	0.84	Very limited Slope	1.00
Emporia	3	Not Rated		Not Rated		Not Rated	
Nevarc	3	Not Rated		Not Rated		Not Rated	
Slagle	3	Not Rated		Not Rated		Not Rated	
21C:							

Table ENG-3. - Building Site Development - Continued

Caroline County, Virginia

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
21C:							
Slagle	55	Somewhat limited Shrink-swell Slope	0.50 0.04	Somewhat limited Shrink-swell Depth to saturated zone Slope	0.50 0.15 0.04	Very limited Slope Shrink-swell	1.00 0.50
Kempsville	30	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
excessivley drained sandy soils	6	Not Rated		Not Rated		Not Rated	
moderately well drained coarse loamy soils	6	Not Rated		Not Rated		Not Rated	
22A:							
Slagle	90	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Depth to saturated zone	0.50 0.15	Somewhat limited Shrink-swell	0.50
Myatt	2	Not Rated		Not Rated		Not Rated	
Roanoke	2	Not Rated		Not Rated		Not Rated	
Rumford	2	Not Rated		Not Rated		Not Rated	
Suffolk	2	Not Rated		Not Rated		Not Rated	
Bama	1	Not Rated		Not Rated		Not Rated	
Kempsville	1	Not Rated		Not Rated		Not Rated	
22B:							
Slagle	95	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Depth to saturated zone	0.50 0.15	Somewhat limited Shrink-swell	0.50
Bama	1	Not Rated		Not Rated		Not Rated	
Kempsville	1	Not Rated		Not Rated		Not Rated	
Myatt	1	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
Rumford	1	Not Rated		Not Rated		Not Rated	
23A:							

Table ENG-3. - Building Site Development - Continued

Caroline County, Virginia

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
23A:							
State	90	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.15	Very limited Flooding	1.00
Chewacla	4	Not Rated		Not Rated		Not Rated	
Tarboro	4	Not Rated		Not Rated		Not Rated	
23B:							
State	90	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.15	Very limited Flooding	1.00
Chewacla	4	Not Rated		Not Rated		Not Rated	
Riverview	3	Not Rated		Not Rated		Not Rated	
Tarboro	3	Not Rated		Not Rated		Not Rated	
23C:							
State	90	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.15	Very limited Flooding Slope	1.00 1.00
Tarboro	8	Not Rated		Not Rated		Not Rated	
24A:							
Suffolk	95	Not limited		Not limited		Not limited	
Emporia	5	Not Rated		Not Rated		Not Rated	
24B:							
Suffolk	95	Not limited		Not limited		Not limited	
Emporia	5	Not Rated		Not Rated		Not Rated	
25B:							
Tarboro	60	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
Bojac	35	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.15	Very limited Flooding	1.00
Altavista	2	Not Rated		Not Rated		Not Rated	
26A:							

Table ENG-3. - Building Site Development - Continued

Caroline County, Virginia

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
26A:							
Tomotley	55	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
Roanoke	30	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50
Altavista	3	Not Rated		Not Rated		Not Rated	
Riverview	3	Not Rated		Not Rated		Not Rated	
Bojac	2	Not Rated		Not Rated		Not Rated	
Chastain	2	Not Rated		Not Rated		Not Rated	
Chewacla	2	Not Rated		Not Rated		Not Rated	
State	2	Not Rated		Not Rated		Not Rated	
27C:							
Udorthents	85	Not Rated		Not Rated		Not Rated	
Bibb	5	Not Rated		Not Rated		Not Rated	
Bojac	5	Not Rated		Not Rated		Not Rated	
Emporia	5	Not Rated		Not Rated		Not Rated	
28A:							
Wehadkee	85	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
Riverview	7	Not Rated		Not Rated		Not Rated	
Helena	6	Not Rated		Not Rated		Not Rated	
29A:							
Wickham	95	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
Altavista	5	Not Rated		Not Rated		Not Rated	
29B:							
Wickham	95	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00

Table ENG-3. - Building Site Development - Continued

Caroline County, Virginia

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
29B: somewhat poorly drained soils	5	Not Rated		Not Rated		Not Rated	
30E: Wateree	75	Very limited Slope	1.00	Very limited Slope Depth to hard bedrock Depth to soft bedrock	1.00 0.88 0.01	Very limited Slope	1.00
Rock outcrop	15	Not Rated		Not Rated		Not Rated	
Rion	10	Not Rated		Not Rated		Not Rated	
W: Water	100	Not Rated		Not Rated		Not Rated	