

## Table ENG-5. - Sanitary Facilities

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	Septic Tank Absorption Fields		Sewage Lagoons	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>1A:</b>					
Altavista	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Restricted permeability	0.50	Seepage	0.50
		Flooding	0.20	Flooding	0.20
Chewacla	3	Not Rated		Not Rated	
Roanoke	3	Not Rated		Not Rated	
Chastain	2	Not Rated		Not Rated	
Riverview	1	Not Rated		Not Rated	
Tomotley	1	Not Rated		Not Rated	
<b>1B:</b>					
Altavista	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Restricted permeability	0.50	Seepage	0.50
		Flooding	0.20	Slope	0.32
Chastain	2	Not Rated		Not Rated	
Chewacla	2	Not Rated		Not Rated	
Riverview	2	Not Rated		Not Rated	
Roanoke	2	Not Rated		Not Rated	
Tomotley	2	Not Rated		Not Rated	
<b>2B:</b>					
Appling	80	Somewhat limited		Very limited	
		Restricted permeability	0.50	Seepage	1.00
				Slope	0.68
Emporia	10	Not Rated		Not Rated	
Helena	10	Not Rated		Not Rated	

2C:

## Table ENG-5. - Sanitary Facilities - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Septic Tank Absorption Fields		Sewage Lagoons	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>2C:</b>					
Appling	90	Somewhat limited		Very limited	
		Restricted permeability	0.50	Slope	1.00
		Slope	0.37	Seepage	1.00
Emporia	6	Not Rated		Not Rated	
Helena	4	Not Rated		Not Rated	
<b>3A:</b>					
Bama	90	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50
Emporia	6	Not Rated		Not Rated	
Slagle	4	Not Rated		Not Rated	
<b>3B:</b>					
Bama	90	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50
				Slope	0.32
Emporia	6	Not Rated		Not Rated	
Slagle	4	Not Rated		Not Rated	
<b>4A:</b>					
Bibb	70	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Restricted permeability	0.50	Seepage	0.50
Chastain	15	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Restricted permeability	1.00	Seepage	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
Chewacla	5	Not Rated		Not Rated	
fine loamy poorly drained soils	4	Not Rated		Not Rated	
ponded soils	3	Not Rated		Not Rated	
very poorly drained muck soils	3	Not Rated		Not Rated	

5B:

## Table ENG-5. - Sanitary Facilities - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Septic Tank Absorption Fields		Sewage Lagoons	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
5B:					
Bojac	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Depth to saturated zone	0.40	Flooding	0.20
		Flooding	0.20	Slope	0.08
Altavista	5	Not Rated		Not Rated	
Chewacla	4	Not Rated		Not Rated	
Riverview	3	Not Rated		Not Rated	
Tarboro	3	Not Rated		Not Rated	
6B:					
Cecil	90	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Slope	0.68
				Seepage	0.50
Emporia	5	Not Rated		Not Rated	
Helena	5	Not Rated		Not Rated	
7A:					
Chastain	95	Very limited		Very limited	
		Flooding	1.00	Ponding	1.00
		Restricted permeability	1.00	Flooding	1.00
		Ponding	1.00	Seepage	1.00
Roanoke	2	Not Rated		Not Rated	
Rappahannock	1	Not Rated		Not Rated	
Riverview	1	Not Rated		Not Rated	
Tomotley	1	Not Rated		Not Rated	
8A:					
Chewacla	75	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Restricted permeability	1.00		
Altavista	5	Not Rated		Not Rated	
Bojac	4	Not Rated		Not Rated	
Chastain	4	Not Rated		Not Rated	

### Table ENG-5. - Sanitary Facilities - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Septic Tank Absorption Fields		Sewage Lagoons	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>8A:</b>					
Riverview	4	Not Rated		Not Rated	
Roanoke	4	Not Rated		Not Rated	
Tomotley	3	Not Rated		Not Rated	
Rappahannock	1	Not Rated		Not Rated	
<b>9C:</b>					
Helena	65	Very limited		Very limited	
		Restricted permeability	1.00	Seepage	1.00
		Slope		Slope	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	0.22
		Slope	0.04		
Appling	20	Somewhat limited		Very limited	
		Restricted permeability	0.50	Slope	1.00
		Slope	0.37	Seepage	1.00
Emporia	6	Not Rated		Not Rated	
somewhat poorly drained to poorly drained, fine loamy to cla	5	Not Rated		Not Rated	
well drained clayey soils	4	Not Rated		Not Rated	
<b>10E:</b>					
Kempsville	45	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	1.00
Emporia	25	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	1.00	Depth to saturated zone	0.92
		Depth to saturated zone	1.00	Seepage	0.18
Remlik	20	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
		Depth to saturated zone	0.40		
Chastain	3	Not Rated		Not Rated	
Bibb	2	Not Rated		Not Rated	

**Table ENG-5. - Sanitary Facilities - Continued**

Caroline County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Septic Tank Absorption Fields		Sewage Lagoons	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
11A:					
Kempsville	70	Somewhat limited Restricted permeability	0.50	Very limited Seepage	1.00
Emporia	30	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone Seepage	0.92 0.18
11B:					
Kempsville	60	Somewhat limited Restricted permeability	0.50	Very limited Seepage Slope	1.00 0.32
Emporia	35	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone Slope Seepage	0.92 0.32 0.18
Roanoke	3	Not Rated		Not Rated	
11C:					
Kempsville	65	Somewhat limited Restricted permeability	0.50	Very limited Seepage Slope	1.00 1.00
Emporia	30	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Slope Depth to saturated zone Seepage	1.00 0.92 0.18
Roanoke	3	Not Rated		Not Rated	
12A:					
Myatt	85	Very limited Depth to saturated zone Restricted permeability Flooding	1.00 0.68 0.40	Very limited Depth to saturated zone Flooding Seepage	1.00 0.40 0.32
Slagle	10	Very limited Restricted permeability Depth to saturated zone	1.00 0.40	Very limited Seepage	1.00
Emporia	3	Not Rated		Not Rated	

## Table ENG-5. - Sanitary Facilities - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Septic Tank Absorption Fields		Sewage Lagoons	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
12A:					
Kempsville	2	Not Rated		Not Rated	
13E:					
Nevarc	85	Very limited		Very limited	
		Restricted permeability	1.00	Slope	1.00
		Depth to saturated zone	1.00	Seepage	1.00
		Slope	1.00	Depth to saturated zone	0.56
Remilik	7	Not Rated		Not Rated	
Kempsville	6	Not Rated		Not Rated	
14:					
Pits, gravel	85	Not Rated		Not Rated	
Appling	3	Not Rated		Not Rated	
Emporia	3	Not Rated		Not Rated	
Kempsville	3	Not Rated		Not Rated	
Slagle	3	Not Rated		Not Rated	
Udorthents	3	Not Rated		Not Rated	
15A:					
Rappahannock	85	Very limited		Very limited	
		Flooding	1.00	Ponding	1.00
		Ponding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Content of organic matter	1.00
Chastain	5	Not Rated		Not Rated	
Chewacla	5	Not Rated		Not Rated	
Riverview	5	Not Rated		Not Rated	
16B:					
Remlik	95	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Depth to saturated zone	0.40	Slope	0.32
Emporia	3	Not Rated		Not Rated	
Slagle	2	Not Rated		Not Rated	
16C:					

**Table ENG-5. - Sanitary Facilities - Continued**

Caroline County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Septic Tank Absorption Fields		Sewage Lagoons	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
16C:					
Remlik	95	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Depth to saturated zone	0.40	Slope	1.00
		Slope	0.37		
Emporia	2	Not Rated		Not Rated	
Slagle	1	Not Rated		Not Rated	
16E:					
Remlik	90	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
		Depth to saturated zone	0.40		
Emporia	4	Not Rated		Not Rated	
Nevarc	4	Not Rated		Not Rated	
17D:					
Rion	95	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Restricted permeability	0.50	Seepage	1.00
Helena	2	Not Rated		Not Rated	
Wateree	2	Not Rated		Not Rated	
Rock outcrop	1	Not Rated		Not Rated	
18A:					
Riverview	80	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Seepage	1.00
		Restricted permeability	0.50	Depth to saturated zone	0.71
Altavista	4	Not Rated		Not Rated	
Bojac	4	Not Rated		Not Rated	
Chastain	4	Not Rated		Not Rated	
Chewacla	4	Not Rated		Not Rated	
State	3	Not Rated		Not Rated	

## Table ENG-5. - Sanitary Facilities - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Septic Tank Absorption Fields		Sewage Lagoons	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
18A:					
Rappahannock	1	Not Rated		Not Rated	
19A:					
Roanoke	85	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Restricted permeability	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Seepage	1.00
Altavista	5	Not Rated		Not Rated	
Chastain	5	Not Rated		Not Rated	
Slagle	5	Not Rated		Not Rated	
20B:					
Rumford	95	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.08
Emporia	2	Not Rated		Not Rated	
Slagle	2	Not Rated		Not Rated	
20C:					
Rumford	95	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	1.00
Emporia	3	Not Rated		Not Rated	
Slagle	2	Not Rated		Not Rated	
20D:					
Rumford	90	Very limited		Very limited	
		Filtering capacity	1.00	Slope	1.00
		Slope	0.84	Seepage	1.00
Emporia	3	Not Rated		Not Rated	
Nevarc	3	Not Rated		Not Rated	
Slagle	3	Not Rated		Not Rated	
21C:					

## Table ENG-5. - Sanitary Facilities - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Septic Tank Absorption Fields		Sewage Lagoons	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>21C:</b>					
Slagle	55	Very limited		Very limited	
		Restricted permeability	1.00	Slope	1.00
		Depth to saturated zone	0.40	Seepage	1.00
		Slope	0.04		
Kempsville	30	Somewhat limited		Very limited	
		Restricted permeability	0.50	Seepage	1.00
		Slope	0.04	Slope	1.00
excessivley drained sandy soils	6	Not Rated		Not Rated	
moderately well drained coarse loamy soils	6	Not Rated		Not Rated	
<b>22A:</b>					
Slagle	90	Very limited		Very limited	
		Restricted permeability	1.00	Seepage	1.00
		Depth to saturated zone	0.40		
Myatt	2	Not Rated		Not Rated	
Roanoke	2	Not Rated		Not Rated	
Rumford	2	Not Rated		Not Rated	
Suffolk	2	Not Rated		Not Rated	
Bama	1	Not Rated		Not Rated	
Kempsville	1	Not Rated		Not Rated	
<b>22B:</b>					
Slagle	95	Very limited		Very limited	
		Restricted permeability	1.00	Seepage	1.00
		Depth to saturated zone	0.40	Slope	0.32
Bama	1	Not Rated		Not Rated	
Kempsville	1	Not Rated		Not Rated	
Myatt	1	Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated	

## Table ENG-5. - Sanitary Facilities - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Septic Tank Absorption Fields		Sewage Lagoons	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
22B:					
Rumford	1	Not Rated		Not Rated	
23A:					
State	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Restricted permeability	0.50	Flooding	0.20
		Depth to saturated zone	0.40		
Chewacla	4	Not Rated		Not Rated	
Tarboro	4	Not Rated		Not Rated	
23B:					
State	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Restricted permeability	0.50	Slope	0.32
		Depth to saturated zone	0.40	Flooding	0.20
Chewacla	4	Not Rated		Not Rated	
Riverview	3	Not Rated		Not Rated	
Tarboro	3	Not Rated		Not Rated	
23C:					
State	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Restricted permeability	0.50	Slope	1.00
		Depth to saturated zone	0.40	Flooding	0.20
Tarboro	8	Not Rated		Not Rated	
24A:					
Suffolk	95	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Restricted permeability	0.50		
Emporia	5	Not Rated		Not Rated	
24B:					
Suffolk	95	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Restricted permeability	0.50	Slope	0.32

### Table ENG-5. - Sanitary Facilities - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Septic Tank Absorption Fields		Sewage Lagoons	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
24B:					
Emporia	5	Not Rated		Not Rated	
25B:					
Tarboro	60	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Flooding	0.20	Flooding	0.20
				Slope	0.08
Bojac	35	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Depth to saturated zone	0.40	Flooding	0.20
		Flooding	0.20	Slope	0.08
Altavista	2	Not Rated		Not Rated	
26A:					
Tomotley	55	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Restricted permeability	0.68	Seepage	1.00
		Flooding	0.40	Flooding	0.40
Roanoke	30	Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Flooding	0.40
Altavista	3	Not Rated		Not Rated	
Riverview	3	Not Rated		Not Rated	
Bojac	2	Not Rated		Not Rated	
Chastain	2	Not Rated		Not Rated	
Chewacla	2	Not Rated		Not Rated	
State	2	Not Rated		Not Rated	
27C:					
Udorhents	85	Not Rated		Not Rated	
Bibb	5	Not Rated		Not Rated	
Bojac	5	Not Rated		Not Rated	
Emporia	5	Not Rated		Not Rated	

## Table ENG-5. - Sanitary Facilities - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Septic Tank Absorption Fields		Sewage Lagoons	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>28A:</b>					
Wehadkee	85	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Restricted permeability	0.50	Seepage	0.50
Riverview	7	Not Rated		Not Rated	
Helena	6	Not Rated		Not Rated	
<b>29A:</b>					
Wickham	95	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Restricted permeability	0.50	Flooding	0.20
		Flooding	0.20		
Altavista	5	Not Rated		Not Rated	
<b>29B:</b>					
Wickham	95	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Restricted permeability	0.50	Slope	0.32
		Flooding	0.20	Flooding	0.20
somewhat poorly drained soils	5	Not Rated		Not Rated	
<b>30E:</b>					
Wateree	75	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	1.00
Rock outcrop	15	Not Rated		Not Rated	
Rion	10	Not Rated		Not Rated	
<b>W:</b>					
Water	100	Not Rated		Not Rated	