

Table K2. - Soil Features

Richmond County, Virginia

Absence of an entry indicates that the feature is not a concern or that data were not estimated.

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
1:									
Atlee	---	---	---	---	---	---	---	High	High
Savannah	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---
2:									
Bibb	---	---	---	---	---	---	---	High	Moderate
Levy	---	---	---	---	---	---	---	High	High
Rappahannock	---	---	---	---	---	---	---	---	---
3B:									
Catpoint	---	---	---	---	---	---	---	Low	Moderate
Rumford	---	---	---	---	---	---	---	---	---
Nansemond	---	---	---	---	---	---	---	---	---

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Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
4B:									
Dogue	---	---	---	---	---	---	---	High	High
Savannah	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---
5B:									
Emporia	---	---	---	---	---	---	---	Moderate	High
Kempsville	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---
Savannah	---	---	---	---	---	---	---	---	---
6B:									
Kempsville	---	---	---	---	---	---	---	Low	Moderate

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Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
6B:									
Emporia	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---
Savannah	---	---	---	---	---	---	---	---	---
7:									
Kempsville	---	---	---	---	---	---	---	Low	Moderate
Emporia	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---
Savannah	---	---	---	---	---	---	---	---	---
8:									
Leaf	---	---	---	---	---	---	---	High	Moderate
Wahee	---	---	---	---	---	---	---	---	---
Yemassee	---	---	---	---	---	---	---	---	---

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Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
8: Tomotley	---	---	---	---	---	---	---	---	---
9: Lumbee	---	---	---	---	---	---	---	High	High
Tomotley	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---
Nansemond	---	---	---	---	---	---	---	---	---
10: Nansemond	---	---	---	---	---	---	---	Moderate	High
State	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---
Lumbee	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---
11:									

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Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
11: Pamunkey	---	---	---	---	---	---	---	Moderate	Moderate
Rumford	---	---	---	---	---	---	---	---	---
Moderately well drained soils	---	---	---	---	---	---	---	---	---
12: Pits	---	---	---	---	---	---	---	---	---
Fill material	---	---	---	---	---	---	---	---	---
Water	---	---	---	---	---	---	---	---	---
13: Rappahannock	---	---	---	---	---	---	---	High	High
Bibb	---	---	---	---	---	---	---	---	---
Levy	---	---	---	---	---	---	---	---	---
Tidal pool	---	---	---	---	---	---	---	---	---
14B:									

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Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
14B:									
Rumford	---	---	---	---	---	---	---	Low	High
Catpoint	---	---	---	---	---	---	---	---	---
Pamunkey	---	---	---	---	---	---	---	---	---
Nansemond	---	---	---	---	---	---	---	---	---
Tomotley	---	---	---	---	---	---	---	---	---
15E:									
Rumford	---	---	---	---	---	---	---	Low	High
Suffolk	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---
Bibb	---	---	---	---	---	---	---	---	---
Levy	---	---	---	---	---	---	---	---	---

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	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
15E: seeps	---	---	---	---	---	---	---	---	---
16D: Rumford	---	---	---	---	---	---	---	Low	High
Tetotum	---	---	---	---	---	---	---	High	High
Suffolk	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---
Bibb	---	---	---	---	---	---	---	---	---
Levy	---	---	---	---	---	---	---	---	---
seeps	---	---	---	---	---	---	---	---	---
17A: Savannah	Fragipan	18-36	---	Weakly cemented	---	---	---	Moderate	High

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	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
17A:									
Kempsville	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---
17B:									
Savannah	Fragipan	18-36	---	Weakly cemented	---	---	---	Moderate	High
Kempsville	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---
18A:									
State	---	---	---	---	---	---	---	Moderate	High
Rumford	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---

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	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
18A:									
Tetotum	---	---	---	---	---	---	---	---	---
18B:									
State	---	---	---	---	---	---	---	Moderate	High
Rumford	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---
19A:									
Suffolk	---	---	---	---	---	---	---	Moderate	High
Emporia	---	---	---	---	---	---	---	---	---
Savannah	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---
19B:									

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	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
19B:									
Suffolk	---	---	---	---	---	---	---	Moderate	High
Emporia	---	---	---	---	---	---	---	---	---
Savannah	---	---	---	---	---	---	---	---	---
20A:									
Tetotum	---	---	---	---	---	---	---	High	High
Nansemond	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---
Yemassee	---	---	---	---	---	---	---	---	---
20B:									
Tetotum	---	---	---	---	---	---	---	High	High
State	---	---	---	---	---	---	---	---	---
Yemassee	---	---	---	---	---	---	---	---	---

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		In	In		In	In			
20B:									
Nansemond	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---
21:									
Tomotley	---	---	---	---	---	---	---	High	High
Tetotum	---	---	---	---	---	---	---	---	---
Yemassee	---	---	---	---	---	---	---	---	---
Nansemond	---	---	---	---	---	---	---	---	---
Leaf	---	---	---	---	---	---	---	---	---
22:									
Wahee	---	---	---	---	---	---	---	High	High
Leaf	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---

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	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
22: Yemassee	---	---	---	---	---	---	---	---	---
23: Yemassee	---	---	---	---	---	---	---	High	High
Leaf	---	---	---	---	---	---	---	---	---
Nansemond	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---
Tomotley	---	---	---	---	---	---	---	---	---
Wahee	---	---	---	---	---	---	---	---	---
W: Water	---	---	---	---	---	---	---	---	---