

Table K2. - Soil Features

Essex 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			
1A:									
Atlee	---	---	---	---	---	---	---	High	High
Emporia	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---
2A:									
Augusta	---	---	---	---	---	---	---	High	Moderate
Munden	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---
Tomotley	---	---	---	---	---	---	---	---	---
3A:									
Bibb	---	---	---	---	---	---	---	High	Moderate
Catpoint	---	---	---	---	---	---	---	---	---
Rappahanock	---	---	---	---	---	---	---	---	---

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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			
4A:									
Bojac	---	---	---	---	---	---	---	Low	High
Munden	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---
5A:									
Bolling	---	---	---	---	---	---	---	Moderate	High
Molena	---	---	---	---	---	---	---	---	---
Pamunkey	---	---	---	---	---	---	---	---	---
6B:									
Catpoint	---	---	---	---	---	---	---	Low	Moderate
Munden	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---
7A:									
Chickahominy	---	---	---	---	---	---	---	High	High

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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			
7A:									
Ponded soils	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---
Tomotley	---	---	---	---	---	---	---	---	---
8A:									
Dogue	---	---	---	---	---	---	---	High	High
Chickahominy	---	---	---	---	---	---	---	---	---
Newflat	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---
9A:									
Emporia	---	---	---	---	---	---	---	Moderate	High
Kempsville	---	---	---	---	---	---	---	---	---

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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			
9A: Slagle	---	---	---	---	---	---	---	---	---
9B: Emporia	---	---	---	---	---	---	---	Moderate	High
Kempsville	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---
9C: Emporia	---	---	---	---	---	---	---	Moderate	High
Kempsville	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---
10A: Kempsville	---	---	---	---	---	---	---	Low	Moderate
Emporia	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---

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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			
10A: Suffolk	---	---	---	---	---	---	---	---	---
10B: Kempsville	---	---	---	---	---	---	---	Low	Moderate
Emporia	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---
10C: Kempsville	---	---	---	---	---	---	---	Low	Moderate
Emporia	---	---	---	---	---	---	---	---	---
11A: Levy	---	---	---	---	---	---	---	High	High
Rappahannock	---	---	---	---	---	---	---	---	---
12A: Molena	---	---	---	---	---	---	---	Low	High

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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			
12A:									
Munden	---	---	---	---	---	---	---	---	---
Pamunkey	---	---	---	---	---	---	---	---	---
12B:									
Molena	---	---	---	---	---	---	---	Low	High
Munden	---	---	---	---	---	---	---	---	---
Pamunkey	---	---	---	---	---	---	---	---	---
13A:									
Munden	---	---	---	---	---	---	---	Low	High
Bojac	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---
14A:									
Newflat	---	---	---	---	---	---	---	High	High

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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			
14A: Chickahominy	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---
15A: Pamunkey	---	---	---	---	---	---	---	Moderate	Moderate
Bolling	---	---	---	---	---	---	---	---	---
Molena	---	---	---	---	---	---	---	---	---
16: Pits	---	---	---	---	---	---	---	---	---
17A: Rappahannock	---	---	---	---	---	---	---	High	High
18B: Rumford	---	---	---	---	---	---	---	Low	High
Kempsville	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---

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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			
19E:									
Rumford	---	---	---	---	---	---	---	Low	High
Emporia	---	---	---	---	---	---	---	Moderate	High
Bibb	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---
20D:									
Rumford	---	---	---	---	---	---	---	Low	High
Slagle	---	---	---	---	---	---	---	Moderate	High
Bibb	---	---	---	---	---	---	---	---	---
Dogue	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---

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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			
21B:									
Slagle	---	---	---	---	---	---	---	Moderate	High
Atlee	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---
21C:									
Slagle	---	---	---	---	---	---	---	Moderate	High
Emporia	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---
22A:									
State	---	---	---	---	---	---	---	Moderate	High
Bojac	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---

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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			
22A: Tetotum	---	---	---	---	---	---	---	---	---
22B: State	---	---	---	---	---	---	---	Moderate	High
Bojac	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---
23A: Suffolk	---	---	---	---	---	---	---	Moderate	High
Kempsville	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---
23B: Suffolk	---	---	---	---	---	---	---	Moderate	High
Kempsville	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---

24A:

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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			
24A:									
Tetotum	---	---	---	---	---	---	---	High	High
Munden	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---
Tomotley	---	---	---	---	---	---	---	---	---
24B:									
Tetotum	---	---	---	---	---	---	---	High	High
Munden	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---
Tomotley	---	---	---	---	---	---	---	---	---
25A:									
Tomotley	---	---	---	---	---	---	---	High	High
Augusta	---	---	---	---	---	---	---	---	---

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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			
25A: Chickahominy	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---
W: Water	---	---	---	---	---	---	---	---	---