

Table K2. - Soil Features

Franklin 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			
1C:									
Ashe	Bedrock (lithic)	20-40	---	Indurated	0	0	Moderate	Low	High
Edneyville	---	---	---	---	0	0	Moderate	Moderate	Moderate
Peaks	Bedrock (lithic)	20-40	---	Indurated	0	0	Moderate	Low	High
2D:									
Ashe	Bedrock (lithic)	20-40	---	Indurated	0	0	Moderate	Low	High
Peaks	Bedrock (lithic)	20-40	---	Indurated	0	0	Moderate	Low	High
Edneyville	---	---	---	---	0	0	Moderate	Moderate	Moderate
3D:									
Bluemount	Bedrock (lithic)	20-40	---	Indurated	0	0	None	Low	Moderate
Redbrush	Bedrock (lithic)	20-40	---	Indurated	0	0	None	High	Moderate
	Bedrock (paralithic)	20-40	---	Moderately cemented					

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
3D: Spriggs	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	None	Low	Moderate
	Bedrock (lithic)	40-60	---	Indurated					
4E: Bluemount	Bedrock (lithic)	20-40	---	Indurated	0	0	None	Low	Moderate
Spriggs	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	None	Low	Moderate
	Bedrock (lithic)	40-60	---	Indurated					
5C: Bluemount	Bedrock (lithic)	20-40	---	Indurated	0	0	None	Low	Moderate
Spriggs	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	None	Low	Moderate
	Bedrock (lithic)	40-60	---	Indurated					
Redbrush	Bedrock (lithic)	20-40	---	Indurated	0	0	None	High	Moderate
	Bedrock (paralithic)	20-40	---	Moderately cemented					
6C:									

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
6C:									
Brownwood	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	Moderate	Low	High
	Bedrock (lithic)	40-60	---	Indurated					
Chandler	---	---	---	---	0	0	Moderate	Low	High
6D:									
Brownwood	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	Moderate	Low	High
	Bedrock (lithic)	40-60	---	Indurated					
Chandler	---	---	---	---	0	0	Moderate	Low	High
6E:									
Brownwood	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	Moderate	Low	High
	Bedrock (lithic)	40-60	---	Indurated					
Chandler	---	---	---	---	0	0	Moderate	Low	High
6F:									
Brownwood	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	Moderate	Low	High
	Bedrock (lithic)	40-60	---	Indurated					

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
6F: Chandler	---	---	---	---	0	0	Moderate	Low	High
7B: Clifford	---	---	---	---	0	0	None	Moderate	High
7C: Clifford	---	---	---	---	0	0	None	Moderate	High
7D: Clifford	---	---	---	---	0	0	None	Moderate	High
8E: Clifford	---	---	---	---	0	0	None	Moderate	High
Hickoryknob	Bedrock (lithic)	20-40	---	Indurated	0	0	None	Low	Moderate
	Bedrock (paralithic)	20-40	---	Moderately cemented					
9C: Clifford	---	---	---	---	0	0	None	Moderate	High
Urban land	---	10	---	---	0	---	None	---	---
10B:									

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
10B:									
Colescreek	---	---	---	---	0	0	None	Moderate	High
Delanco	---	---	---	---	0	0	None	High	High
11A:									
Comus	---	---	---	---	0	0	None	Low	High
Elsinboro	---	---	---	---	0	0	None	Moderate	High
Maggodee	---	---	---	---	0	0	None	Low	High
12C:									
Cowee	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	Moderate	Moderate	High
	Bedrock (lithic)	40-60	---	Indurated					
Clifffield	Bedrock (lithic)	20-40	---	Indurated	0	0	Moderate	Moderate	High
Evard	---	---	---	---	0	0	Moderate	Moderate	High
12D:									
Cowee	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	Moderate	Moderate	High
	Bedrock (lithic)	40-60	---	Indurated					

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
12D: Clifffield	Bedrock (lithic)	20-40	---	Indurated	0	0	Moderate	Moderate	High
Evard	---	---	---	---	0	0	Moderate	Moderate	High
12E: Cowee	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	Moderate	Moderate	High
	Bedrock (lithic)	40-60	---	Indurated					
Clifffield	Bedrock (lithic)	20-40	---	Indurated	0	0	Moderate	Moderate	High
Evard	---	---	---	---	0	0	Moderate	Moderate	High
13D: Cullasaja	---	---	---	---	0	0	Moderate	High	High
Tuckasegee	---	---	---	---	0	0	Moderate	Moderate	Moderate
13E: Cullasaja	---	---	---	---	0	0	Moderate	High	High
Tuckasegee	---	---	---	---	0	0	Moderate	Moderate	Moderate
14C:									

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
14C:									
Cullasaja	---	---	---	---	0	0	Moderate	High	High
Tuckasegee	---	---	---	---	0	0	Moderate	Moderate	Moderate
Dellwood	---	---	---	---	0	0	Low	Low	Moderate
15E:									
Drapermill	Bedrock (lithic)	20-40	---	Indurated	0	0	None	Moderate	High
16C:									
Edneytown	---	---	---	---	0	0	Moderate	Moderate	Moderate
Sauratown	Bedrock (lithic)	20-40	---	Indurated	0	0	Moderate	Moderate	High
	Bedrock (paralithic)	20-40	---	Moderately cemented					
16D:									
Edneytown	---	---	---	---	0	0	Moderate	Moderate	Moderate
Sauratown	Bedrock (lithic)	20-40	---	Indurated	0	0	Moderate	Moderate	High
	Bedrock (paralithic)	20-40	---	Moderately cemented					
16E:									

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
16E: Edneytown	---	---	---	---	0	0	Moderate	Moderate	Moderate
Sauratown	Bedrock (lithic)	20-40	---	Indurated	0	0	Moderate	Moderate	High
	Bedrock (paralithic)	20-40	---	Moderately cemented					
16F: Edneytown	---	---	---	---	0	0	Moderate	Moderate	Moderate
Sauratown	Bedrock (lithic)	20-40	---	Indurated	0	0	Moderate	Moderate	High
	Bedrock (paralithic)	20-40	---	Moderately cemented					
17B: Elsinboro	---	---	---	---	0	0	None	Moderate	High
Colescreek	---	---	---	---	0	0	None	Moderate	High
18E: Goblintown	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	None	High	High
Drapermill	Bedrock (lithic)	20-40	---	Indurated	0	0	None	Moderate	High
Penhook	---	---	---	---	0	0	None	High	High

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
19C: Hayesville	---	---	---	---	0	0	Moderate	Moderate	Moderate
19D: Hayesville	---	---	---	---	0	0	Moderate	Moderate	Moderate
20E: Hayesville	---	---	---	---	0	0	Moderate	Moderate	Moderate
21F: Hickoryknob	Bedrock (lithic)	20-40	---	Indurated	0	0	None	Low	Moderate
	Bedrock (paralithic)	20-40	---	Moderately cemented					
Rhodhiss	---	---	---	---	0	0	None	Moderate	High
22C: Hickoryknob	Bedrock (lithic)	20-40	---	Indurated	0	0	None	Low	Moderate
	Bedrock (paralithic)	20-40	---	Moderately cemented					
Rhodhiss	---	---	---	---	0	0	None	Moderate	High

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
22C:									
Stott Knob	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	None	Moderate	High
	Bedrock (lithic)	40-80	---	Indurated					
22D:									
Hickoryknob	Bedrock (lithic)	20-40	---	Indurated	0	0	None	Low	Moderate
	Bedrock (paralithic)	20-40	---	Moderately cemented					
Rhodhiss	---	---	---	---	0	0	None	Moderate	High
Stott Knob	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	None	Moderate	High
	Bedrock (lithic)	40-80	---	Indurated					
22E:									
Hickoryknob	Bedrock (lithic)	20-40	---	Indurated	0	0	None	Low	Moderate
	Bedrock (paralithic)	20-40	---	Moderately cemented					
Rhodhiss	---	---	---	---	0	0	None	Moderate	High
Stott Knob	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	None	Moderate	High
	Bedrock (lithic)	40-80	---	Indurated					

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
23A:									
lotla	---	---	---	---	0	0	None	Low	Moderate
Colescreek	---	---	---	---	0	0	None	Moderate	High
Maggodee	---	---	---	---	0	0	None	Low	High
24B:									
Jackland	---	---	---	---	0	0	None	High	Low
Mirerock	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	None	High	Low
	Bedrock (lithic)	40-60	---	Indurated					
Redbrush	Bedrock (lithic)	20-40	---	Indurated	0	0	None	High	Moderate
	Bedrock (paralithic)	20-40	---	Moderately cemented					
24C:									
Jackland	---	---	---	---	0	0	None	High	Low
Mirerock	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	None	High	Low
	Bedrock (lithic)	40-60	---	Indurated					

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
24C:									
Redbrush	Bedrock (lithic)	20-40	---	Indurated	0	0	None	High	Moderate
	Bedrock (paralithic)	20-40	---	Moderately cemented					
25C:									
Littlejoe	Bedrock (paralithic)	40-60	---	Moderately cemented	0	0	None	High	High
	Bedrock (lithic)	40-80	---	Indurated					
Penhook	---	---	---	---	0	0	None	High	High
Goblintown	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	None	High	High
25D:									
Littlejoe	Bedrock (paralithic)	40-60	---	Moderately cemented	0	0	None	High	High
	Bedrock (lithic)	40-80	---	Indurated					
Penhook	---	---	---	---	0	0	None	High	High
Goblintown	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	None	High	High
26C:									

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
26C:									
Littlejoe	Bedrock (paralithic)	40-60	---	Moderately cemented	0	0	None	High	High
	Bedrock (lithic)	40-80	---	Indurated					
Strawfield	Bedrock (lithic)	20-40	---	Indurated	0	0	None	High	High
Penhook	---	---	---	---	0	0	None	High	High
26D:									
Littlejoe	Bedrock (paralithic)	40-60	---	Moderately cemented	0	0	None	High	High
	Bedrock (lithic)	40-80	---	Indurated					
Strawfield	Bedrock (lithic)	20-40	---	Indurated	0	0	None	High	High
Penhook	---	---	---	---	0	0	None	High	High
27B:									
Minnieville	---	---	---	---	0	0	None	High	Moderate
27C:									
Minnieville	---	---	---	---	0	0	None	High	Moderate
27D:									

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
27D: Minnieville	---	---	---	---	0	0	None	High	Moderate
27E: Minnieville	---	---	---	---	0	0	None	High	Moderate
28C: Minnieville	---	---	---	---	0	0	None	High	Moderate
Orenda	---	---	---	---	0	0	None	High	Moderate
Redbrush	Bedrock (lithic)	20-40	---	Indurated	0	0	None	High	Moderate
	Bedrock (paralithic)	20-40	---	Moderately cemented					
28D: Minnieville	---	---	---	---	0	0	None	High	Moderate
Orenda	---	---	---	---	0	0	None	High	Moderate
Redbrush	Bedrock (lithic)	20-40	---	Indurated	0	0	None	High	Moderate
	Bedrock (paralithic)	20-40	---	Moderately cemented					
29C:									

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
29C:									
Minnieville	---	---	---	---	0	0	None	High	Moderate
Urban land	---	10	---	---	0	---	None	---	---
30C:									
Myersville	Bedrock (paralithic)	40-60	---	Moderately cemented	0	0	Moderate	Moderate	Moderate
	Bedrock (lithic)	60-80	---	Indurated					
30D:									
Myersville	Bedrock (paralithic)	40-60	---	Moderately cemented	0	0	Moderate	Moderate	Moderate
	Bedrock (lithic)	60-80	---	Indurated					
31E:									
Myersville	Bedrock (paralithic)	40-60	---	Moderately cemented	0	0	Moderate	Moderate	Moderate
	Bedrock (lithic)	60-80	---	Indurated					
Walnut	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	Moderate	Low	Moderate
	Bedrock (lithic)	40-80	---	Indurated					
32F:									

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
32F:									
Myersville	Bedrock (paralithic)	40-60	---	Moderately cemented	0	0	Moderate	Moderate	Moderate
	Bedrock (lithic)	60-80	---	Indurated					
Walnut	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	Moderate	Low	Moderate
	Bedrock (lithic)	40-80	---	Indurated					
33E:									
Peaks	Bedrock (lithic)	20-40	---	Indurated	0	0	Moderate	Low	High
Ashe	Bedrock (lithic)	20-40	---	Indurated	0	0	Moderate	Low	High
Edneyville	---	---	---	---	0	0	Moderate	Moderate	Moderate
33F:									
Peaks	Bedrock (lithic)	20-40	---	Indurated	0	0	Moderate	Low	High
Ashe	Bedrock (lithic)	20-40	---	Indurated	0	0	Moderate	Low	High
Edneyville	---	---	---	---	0	0	Moderate	Moderate	Moderate
34F:									

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
34F:									
Siloam	Bedrock (paralithic)	10-20	---	Moderately cemented	0	0	None	Moderate	Moderate
	Bedrock (lithic)	20-40	---	Indurated					
Bluemount	Bedrock (lithic)	20-40	---	Indurated	0	0	None	Low	Moderate
35C:									
Thurmont	---	---	---	---	0	0	None	Moderate	Moderate
Urban land	---	10	---	---	0	---	None	---	---
Wintergreen	---	---	---	---	0	0	None	High	Moderate
36B:									
Thurmont	---	---	---	---	0	0	None	Moderate	Moderate
Wintergreen	---	---	---	---	0	0	None	High	Moderate
36C:									
Thurmont	---	---	---	---	0	0	None	Moderate	Moderate
Wintergreen	---	---	---	---	0	0	None	High	Moderate
36D:									

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
36D:									
Thurmont	---	---	---	---	0	0	None	Moderate	Moderate
Wintergreen	---	---	---	---	0	0	None	High	Moderate
37E:									
Trimont	---	---	---	---	0	0	Moderate	Low	High
Porters	Bedrock (lithic)	40-60	---	Indurated	0	0	Moderate	Low	High
	Bedrock (paralithic)	40-60	---	Moderately cemented					
37F:									
Trimont	---	---	---	---	0	0	Moderate	Low	High
Porters	Bedrock (lithic)	40-60	---	Indurated	0	0	Moderate	Low	High
	Bedrock (paralithic)	40-60	---	Moderately cemented					
38C:									
Watauga	---	---	---	---	0	0	Moderate	Moderate	Moderate
Brownwood	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	Moderate	Low	High
	Bedrock (lithic)	40-60	---	Indurated					

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
38D: Watauga	---	---	---	---	0	0	Moderate	Moderate	Moderate
Brownwood	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	Moderate	Low	High
	Bedrock (lithic)	40-60	---	Indurated					
38E: Watauga	---	---	---	---	0	0	Moderate	Moderate	Moderate
Brownwood	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	Moderate	Low	High
	Bedrock (lithic)	40-60	---	Indurated					
39B: Wintergreen	---	---	---	---	0	0	None	High	Moderate
39C: Wintergreen	---	---	---	---	0	0	None	High	Moderate
39D: Wintergreen	---	---	---	---	0	0	None	High	Moderate
40C:									

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
40C:									
Woolwine	Bedrock (paralithic)	20-40	---	---	0	0	None	Moderate	High
	Bedrock (lithic)	40-60	---	---					
Fairview	---	---	---	---	0	0	None	High	High
Westfield	Bedrock (paralithic)	40-60	---	---	0	0	None	Moderate	High
	Bedrock (lithic)	60-80	---	---					
40D:									
Woolwine	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	None	Moderate	High
	Bedrock (lithic)	40-60	---	Indurated					
Fairview	---	---	---	---	0	0	None	High	High
Westfield	Bedrock (paralithic)	40-60	---	Moderately cemented	0	0	None	Moderate	High
	Bedrock (lithic)	60-80	---	Indurated					
40E:									
Woolwine	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	None	Moderate	High
	Bedrock (lithic)	40-60	---	Indurated					

Table K2. - Soil Features - Continued

Franklin County, Virginia

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			
40E: Fairview	---	---	---	---	0	0	None	High	High
Westfield	Bedrock (paralithic)	40-60	---	Moderately cemented	0	0	None	Moderate	High
	Bedrock (lithic)	60-80	---	Indurated					
W: Water	---	---	---	---	---	---	---	---	---