

Table ENG-2. - Construction Materials

Rockingham 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 columns range from 0.00 to 0.99. The smaller the value, the greater the limitation.

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1B:							
Allegheny	80	Fair		Good		Fair	
		Low content of organic matter	0.13			Too acid	0.60
		Too acid	0.50				
2B:							
Allegheny	85	Fair		Good		Fair	
		Low content of organic matter	0.13			Too acid	0.60
		Too acid	0.50				
3B:							
Allegheny	50	Fair		Good		Fair	
		Low content of organic matter	0.13			Too acid	0.60
		Too acid	0.50				
Monongahela	35	Fair		Poor		Fair	
		Depth to cemented pan	0.10	Depth to cemented pan	0.00	Depth to cemented pan	0.10
		Low content of organic matter	0.13	Depth to saturated zone	0.76	Depth to saturated zone	0.76
		Droughty	0.44			Too acid	0.88
Purdy	3	Not Rated		Not Rated		Not Rated	
Wet spots	2	Not Rated		Not Rated		Not Rated	
4A:							
Aquic Udifluvents	80	Fair		Poor		Fair	
		Low content of organic matter	0.88	Low strength	0.00	Depth to saturated zone	0.89
				Depth to saturated zone	0.89		
5C2:							
Berks	55	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Slope	0.63
		Too acid	0.50			Depth to bedrock	0.65
Weikert	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00			Rock fragments	0.00
		Too acid	0.54			Slope	0.63

5D2:

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
5D2:							
Berks	50	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.65
Weikert	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Depth to cemented pan	0.00	Depth to bedrock	0.00
		Depth to cemented pan	0.01	Slope	0.50	Rock fragments	0.00
Wet spots	3	Not Rated		Not Rated		Not Rated	
6C2:							
Berks	65	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Slope	0.63
		Too acid	0.50			Depth to bedrock	0.65
Weikert	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00			Rock fragments	0.00
		Too acid	0.54			Slope	0.63
Wet spots	3	Not Rated		Not Rated		Not Rated	
6D2:							
Berks	55	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.65
Weikert	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.50	Depth to bedrock	0.00
		Too acid	0.54			Rock fragments	0.00
Wet spots	3	Not Rated		Not Rated		Not Rated	
7A:							
Buchanan	75	Poor		Poor		Fair	
		Droughty	0.00	Depth to cemented pan	0.00	Depth to cemented pan	0.01
		Depth to cemented pan	0.01	Depth to saturated zone	0.29	Rock fragments	0.13
		Low content of organic matter	0.13			Depth to saturated zone	0.29

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
7A:							
Purdy	5	Not Rated		Not Rated		Not Rated	
8B:							
Buchanan	75	Poor		Poor		Fair	
		Droughty	0.00	Depth to cemented pan	0.00	Depth to cemented pan	0.01
		Depth to cemented pan	0.01	Depth to saturated zone	0.29	Rock fragments	0.13
		Low content of organic matter	0.13			Depth to saturated zone	0.29
Purdy	5	Not Rated		Not Rated		Not Rated	
8C:							
Buchanan	75	Poor		Poor		Fair	
		Droughty	0.00	Depth to cemented pan	0.00	Depth to cemented pan	0.01
		Depth to cemented pan	0.01	Depth to saturated zone	0.29	Rock fragments	0.13
		Low content of organic matter	0.13			Depth to saturated zone	0.29
Purdy	5	Not Rated		Not Rated		Not Rated	
9C:							
Buchanan	75	Poor		Poor		Fair	
		Droughty	0.00	Depth to cemented pan	0.00	Depth to cemented pan	0.01
		Depth to cemented pan	0.01	Depth to saturated zone	0.29	Rock fragments	0.13
		Low content of organic matter	0.13			Depth to saturated zone	0.29
Purdy	5	Not Rated		Not Rated		Not Rated	
10A:							
Buckton	85	Fair		Fair		Fair	
		Low content of organic matter	0.50	Low strength	0.78	Hard to reclaim	0.68
		Water erosion	0.99				
Wet spots	3	Not Rated		Not Rated		Not Rated	
11B:							
Burketown	85	Fair		Poor		Poor	
		Droughty	0.01	Depth to cemented pan	0.00	Hard to reclaim	0.00
		Depth to cemented pan	0.10	Depth to saturated zone	0.98	Depth to cemented pan	0.10
		Low content of organic matter	0.13			Depth to saturated zone	0.98
Wet spots	3	Not Rated		Not Rated		Not Rated	

12B:

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
12B:							
Carbo	35	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Low strength	0.00	Depth to bedrock	0.71
		Droughty	0.49	Shrink-swell	0.13		
Endcav	30	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.13	Rock fragments	0.97
		Too acid	0.97	Depth to bedrock	0.98		
Rock outcrop	25	Not Rated		Not Rated		Not Rated	
12C:							
Carbo	30	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Low strength	0.00	Slope	0.63
		Droughty	0.49	Shrink-swell	0.13	Depth to bedrock	0.71
Endcav	30	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.13	Slope	0.63
		Too acid	0.97	Depth to bedrock	0.98	Rock fragments	0.97
Rock outcrop	25	Not Rated		Not Rated		Not Rated	
13A:							
Chavies	70	Fair		Good		Good	
		Low content of organic matter	0.88				
		Too acid	0.89				
Wet spots	5	Not Rated		Not Rated		Not Rated	
14B2:							
Chilhowie	80	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.00	Shrink-swell	0.13	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.16
Wet spots	3	Not Rated		Not Rated		Not Rated	
14C2:							

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
14C2:							
Chilhowie	80	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.00	Shrink-swell	0.13	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.16
Wet spots	3	Not Rated		Not Rated		Not Rated	
14D2:							
Chilhowie	80	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.00	Shrink-swell	0.13	Too Clayey	0.00
		Low content of organic matter	0.13	Slope	0.50	Rock fragments	0.00
Wet spots	3	Not Rated		Not Rated		Not Rated	
15B2:							
Chilhowie	80	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.00	Shrink-swell	0.13	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.16
15C2:							
Chilhowie	80	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.00	Shrink-swell	0.13	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.16
Wet spots	3	Not Rated		Not Rated		Not Rated	
15D2:							
Chilhowie	80	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.00	Shrink-swell	0.13	Too Clayey	0.00
		Low content of organic matter	0.13	Slope	0.50	Rock fragments	0.00
Wet spots	3	Not Rated		Not Rated		Not Rated	
16E3:							
Chilhowie	80	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.00	Slope	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.13	Rock fragments	0.00
Wet spots	3	Not Rated		Not Rated		Not Rated	

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
17B2:							
Chilhowie	40	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.00	Shrink-swell	0.13	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.16
Edom	40	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.87	Too Clayey	0.00
		Low content of organic matter	0.13			Hard to reclaim	0.00
						Rock fragments	0.13
17C2:							
Chilhowie	40	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.00	Shrink-swell	0.13	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.16
Edom	40	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.87	Too Clayey	0.00
		Low content of organic matter	0.13			Hard to reclaim	0.00
						Rock fragments	0.13
17D2:							
Chilhowie	50	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.00	Shrink-swell	0.13	Too Clayey	0.00
		Low content of organic matter	0.13	Slope	0.50	Rock fragments	0.00
Edom	30	Poor		Fair		Poor	
		Too clayey	0.00	Slope	0.50	Slope	0.00
		Low content of organic matter	0.13	Shrink-swell	0.87	Too Clayey	0.00
						Hard to reclaim	0.00
18B:							
Cotaco	75	Fair		Poor		Fair	
		Too acid	0.12	Low strength	0.00	Hard to reclaim	0.08
		Low content of organic matter	0.88	Depth to saturated zone	0.53	Rock fragments	0.50
		Too clayey	0.92			Depth to saturated zone	0.53
Purdy	5	Not Rated		Not Rated		Not Rated	
19B:							
Cotaco	75	Fair		Poor		Fair	
		Too acid	0.12	Low strength	0.00	Hard to reclaim	0.08
		Low content of organic matter	0.88	Depth to saturated zone	0.53	Rock fragments	0.50
		Too clayey	0.92			Depth to saturated zone	0.53

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
19B: Purdy	5	Not Rated		Not Rated		Not Rated	
20B: Cotaco variant	75	Fair Too acid Low content of organic matter	0.50 0.88	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.87 0.89	Fair Too acid Depth to saturated zone	0.88 0.89
Purdy	5	Not Rated		Not Rated		Not Rated	
21B: Craigsville	75	Poor Cobble content Low content of organic matter Too acid	0.00 0.13 0.50	Poor Cobble content	0.00	Poor Hard to reclaim Rock fragments Too acid	0.00 0.00 0.88
Wet spots	5	Not Rated		Not Rated		Not Rated	
22F: Drall	65	Poor Too sandy Too acid Droughty	0.00 0.50 0.58	Poor Slope Cobble content	0.00 0.94	Poor Slope Hard to reclaim Rock fragments	0.00 0.00 0.00
23B2: Edom	80	Poor Too clayey Low content of organic matter	0.00 0.13	Fair Shrink-swell	0.87	Poor Too Clayey Hard to reclaim Rock fragments	0.00 0.00 0.13
Wet soils	3	Not Rated		Not Rated		Not Rated	
23C2: Edom	80	Poor Too clayey Low content of organic matter	0.00 0.13	Fair Shrink-swell	0.87	Poor Too Clayey Hard to reclaim Rock fragments	0.00 0.00 0.13
Wet soils	3	Not Rated		Not Rated		Not Rated	
23D2: Edom	80	Poor Too clayey Low content of organic matter	0.00 0.13	Fair Slope Shrink-swell	0.50 0.87	Poor Slope Too Clayey Hard to reclaim	0.00 0.00 0.00
Wet soils	3	Not Rated		Not Rated		Not Rated	

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
24B2:							
Endcav	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.13	Rock fragments	0.97
		Too acid	0.97	Depth to bedrock	0.98		
Wet soils	3	Not Rated		Not Rated		Not Rated	
24C2:							
Endcav	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.13	Slope	0.63
		Too acid	0.97	Depth to bedrock	0.98	Rock fragments	0.97
Wet soils	3	Not Rated		Not Rated		Not Rated	
25B2:							
Endcav	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.13	Rock fragments	0.97
		Too acid	0.97	Depth to bedrock	0.98		
Wet soils	3	Not Rated		Not Rated		Not Rated	
25C2:							
Endcav	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.13	Slope	0.63
		Too acid	0.97	Depth to bedrock	0.98	Rock fragments	0.97
Wet soils	3	Not Rated		Not Rated		Not Rated	
26C2:							
Fauquier	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Depth to bedrock	0.16	Slope	0.63
		Too acid	0.54	Shrink-swell	0.87	Rock fragments	0.88
26D2:							
Fauquier	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Depth to bedrock	0.16	Too Clayey	0.00
		Too acid	0.54	Slope	0.50	Rock fragments	0.88
27E:							

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
27E:							
Fauquier	80	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
		Too acid	0.54	Depth to bedrock	0.16	Rock fragments	0.88
28A:							
Fluvaquents	80	Fair		Poor		Poor	
		Low content of organic matter	0.88	Depth to saturated zone	0.00	Depth to saturated zone	0.00
				Low strength	0.00		
Poorly drained soils	5	Not Rated		Not Rated		Not Rated	
29B2:							
Frederick	50	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.16	Rock fragments	0.88
		Too acid	0.54			Too acid	0.98
Lodi	35	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.32	Shrink-swell	0.87	Rock fragments	0.50
		Low content of organic matter	0.50			Too acid	0.88
29C2:							
Frederick	45	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.16	Slope	0.63
		Too acid	0.54			Rock fragments	0.88
Lodi	35	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.32	Shrink-swell	0.87	Rock fragments	0.50
		Low content of organic matter	0.50			Slope	0.63
29D2:							
Frederick	40	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Shrink-swell	0.16	Too Clayey	0.00
		Too acid	0.54	Slope	0.50	Rock fragments	0.88

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
29D2:							
Lodi	40	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Too acid	0.32	Slope	0.50	Too Clayey	0.00
		Low content of organic matter	0.50	Shrink-swell	0.87	Rock fragments	0.50
29E2:							
Frederick	45	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
		Too acid	0.54	Shrink-swell	0.16	Rock fragments	0.88
Lodi	45	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Too acid	0.32	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.50	Shrink-swell	0.87	Rock fragments	0.50
30C3:							
Frederick	50	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.16	Slope	0.63
		Too acid	0.54			Rock fragments	0.88
Lodi	35	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.32	Shrink-swell	0.87	Rock fragments	0.50
		Low content of organic matter	0.50			Slope	0.63
30D3:							
Frederick	50	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Too Clayey	0.00
		Too acid	0.54	Shrink-swell	0.16	Rock fragments	0.88
Lodi	40	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Too acid	0.32	Slope	0.00	Too Clayey	0.00
		Low content of organic matter	0.50	Shrink-swell	0.87	Rock fragments	0.50

31B2:

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
31B2:							
Frederick	50	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.16	Rock fragments	0.88
		Too acid	0.54			Too acid	0.98
Lodi	35	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.32	Shrink-swell	0.87	Rock fragments	0.50
		Low content of organic matter	0.50			Too acid	0.88
31C2:							
Frederick	45	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.16	Slope	0.63
		Too acid	0.54			Rock fragments	0.88
Lodi	35	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.32	Shrink-swell	0.87	Rock fragments	0.50
		Low content of organic matter	0.50			Slope	0.63
31D2:							
Frederick	45	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Shrink-swell	0.16	Too Clayey	0.00
		Too acid	0.54	Slope	0.50	Rock fragments	0.88
Lodi	40	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Too acid	0.32	Slope	0.50	Too Clayey	0.00
		Low content of organic matter	0.50	Shrink-swell	0.87	Rock fragments	0.50
31E2:							
Frederick	50	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
		Too acid	0.54	Shrink-swell	0.16	Rock fragments	0.88
Lodi	40	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Too acid	0.32	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.50	Shrink-swell	0.87	Rock fragments	0.50

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
32C:							
Frederick	40	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.16	Slope	0.63
		Too acid	0.54			Rock fragments	0.88
Lodi	40	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.32	Shrink-swell	0.87	Rock fragments	0.50
		Low content of organic matter	0.50			Slope	0.63
32D:							
Frederick	45	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Shrink-swell	0.16	Too Clayey	0.00
		Too acid	0.54	Slope	0.50	Rock fragments	0.88
Lodi	35	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Too acid	0.32	Slope	0.50	Too Clayey	0.00
		Low content of organic matter	0.50	Shrink-swell	0.87	Rock fragments	0.50
32E:							
Frederick	45	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
		Too acid	0.54	Shrink-swell	0.16	Rock fragments	0.88
Lodi	45	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Too acid	0.32	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.50	Shrink-swell	0.87	Rock fragments	0.50
33B2:							
Frederick	50	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.16	Rock fragments	0.88
		Too acid	0.54			Too acid	0.98
Lodi	35	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.32	Shrink-swell	0.87	Rock fragments	0.50
		Low content of organic matter	0.50			Too acid	0.88

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
33C2:							
Frederick	45	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.16	Slope	0.63
		Too acid	0.54			Rock fragments	0.88
Lodi	40	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.32	Shrink-swell	0.87	Rock fragments	0.50
		Low content of organic matter	0.50			Slope	0.63
33D2:							
Frederick	40	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Shrink-swell	0.16	Too Clayey	0.00
		Too acid	0.54	Slope	0.50	Rock fragments	0.88
Lodi	40	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Too acid	0.32	Slope	0.50	Too Clayey	0.00
		Low content of organic matter	0.50	Shrink-swell	0.87	Rock fragments	0.50
33E2:							
Frederick	45	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
		Too acid	0.54	Shrink-swell	0.16	Rock fragments	0.88
Lodi	45	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Too acid	0.32	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.50	Shrink-swell	0.87	Rock fragments	0.50
34C:							
Frederick	35	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.16	Rock fragments	0.88
		Too acid	0.54			Slope	0.96
Rock outcrop	35	Not Rated		Not Rated		Not Rated	

34E:

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
34E:							
Frederick	40	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Too Clayey	0.00
		Too acid	0.54	Shrink-swell	0.16	Rock fragments	0.88
Rock outcrop	35	Not Rated		Not Rated		Not Rated	
35B:							
Guernsey	85	Fair		Fair		Fair	
		Low content of organic matter	0.13	Shrink-swell	0.23	Depth to saturated zone	0.76
		Too acid	0.54	Depth to saturated zone	0.76		
		Water erosion	0.90				
Poorly drained soils	3	Not Rated		Not Rated		Not Rated	
36B:							
Hawksbill	75	Poor		Poor		Poor	
		Cobble content	0.00	Cobble content	0.00	Hard to reclaim	0.00
		Low content of organic matter	0.13			Rock fragments	0.00
		Droughty	0.90				
Wet spots	5	Not Rated		Not Rated		Not Rated	
37B:							
Hawksbill	75	Poor		Poor		Poor	
		Cobble content	0.00	Cobble content	0.00	Hard to reclaim	0.00
		Low content of organic matter	0.13			Rock fragments	0.00
		Droughty	0.90				
Wet spots	5	Not Rated		Not Rated		Not Rated	
38C:							
Hawksbill	90	Poor		Poor		Poor	
		Cobble content	0.00	Cobble content	0.00	Hard to reclaim	0.00
		Low content of organic matter	0.13			Rock fragments	0.00
		Droughty	0.90			Slope	0.63
Wet spots	5	Not Rated		Not Rated		Not Rated	
39B:							
Laidig	80	Fair		Fair		Poor	
		Too acid	0.12	Depth to cemented pan	0.01	Rock fragments	0.00
		Low content of organic matter	0.13			Hard to reclaim	0.32
		Droughty	0.33			Too acid	0.60

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
39C:							
Laidig	80	Fair		Fair		Poor	
		Too acid	0.12	Depth to cemented pan	0.01	Rock fragments	0.00
		Low content of organic matter	0.13			Hard to reclaim	0.32
		Droughty	0.33			Too acid	0.60
40B:							
Laidig	80	Fair		Fair		Poor	
		Too acid	0.12	Depth to cemented pan	0.01	Rock fragments	0.00
		Low content of organic matter	0.13			Hard to reclaim	0.32
		Droughty	0.36			Too acid	0.60
40C:							
Laidig	80	Fair		Fair		Poor	
		Too acid	0.12	Depth to cemented pan	0.01	Rock fragments	0.00
		Low content of organic matter	0.13			Hard to reclaim	0.32
		Droughty	0.36			Too acid	0.60
40D:							
Laidig	80	Fair		Fair		Poor	
		Too acid	0.12	Depth to cemented pan	0.01	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Rock fragments	0.00
		Droughty	0.36			Hard to reclaim	0.32
40E:							
Laidig	80	Fair		Poor		Poor	
		Too acid	0.12	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Depth to cemented pan	0.01	Rock fragments	0.00
		Droughty	0.36			Hard to reclaim	0.32
41C:							
Laidig	80	Fair		Fair		Poor	
		Too acid	0.12	Depth to cemented pan	0.01	Rock fragments	0.00
		Low content of organic matter	0.13			Hard to reclaim	0.32
		Droughty	0.33			Too acid	0.60
41D:							
Laidig	80	Fair		Fair		Poor	
		Too acid	0.12	Depth to cemented pan	0.01	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Rock fragments	0.00
		Droughty	0.33			Hard to reclaim	0.32
41E:							

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
41E:							
Laidig	80	Fair		Poor		Poor	
		Too acid	0.12	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Depth to cemented pan	0.01	Rock fragments	0.00
		Droughty	0.33			Hard to reclaim	0.32
42C:							
Laidig	50	Fair		Fair		Poor	
		Too acid	0.12	Depth to cemented pan	0.01	Rock fragments	0.00
		Low content of organic matter	0.13			Slope	0.04
		Droughty	0.33			Hard to reclaim	0.32
Buchanan	40	Poor		Poor		Fair	
		Droughty	0.00	Depth to cemented pan	0.00	Depth to cemented pan	0.01
		Depth to cemented pan	0.01	Depth to saturated zone	0.29	Slope	0.04
		Low content of organic matter	0.13			Rock fragments	0.13
43C:							
Lehew	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Rock fragments	0.00
		Depth to bedrock	0.46	Cobble content	0.86	Depth to bedrock	0.46
		Too acid	0.50			Slope	0.84
Dekalb	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Rock fragments	0.00
		Low content of organic matter	0.13	Cobble content	0.63	Depth to bedrock	0.54
		Too acid	0.50			Too acid	0.60
Calvin	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.21
		Depth to bedrock	0.21			Slope	0.84
43D:							
Lehew	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Rock fragments	0.00
		Depth to bedrock	0.46	Cobble content	0.86	Depth to bedrock	0.46
		Too acid	0.50			Slope	0.84
Dekalb	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Rock fragments	0.00
		Low content of organic matter	0.13	Cobble content	0.63	Depth to bedrock	0.54
		Too acid	0.50			Too acid	0.60

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
43D:							
Calvin	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.21
		Depth to bedrock	0.21			Slope	0.84
44E:							
Lehew	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.46	Slope	0.00	Rock fragments	0.00
		Too acid	0.50	Cobble content	0.86	Depth to bedrock	0.46
Dekalb	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50	Cobble content	0.63	Depth to bedrock	0.54
Calvin	20	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Depth to bedrock	0.21			Depth to bedrock	0.21
44F:							
Lehew	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.46	Slope	0.00	Rock fragments	0.00
		Too acid	0.50	Cobble content	0.86	Depth to bedrock	0.46
Dekalb	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50	Cobble content	0.63	Depth to bedrock	0.54
Calvin	20	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Depth to bedrock	0.21			Depth to bedrock	0.21
45A:							
Massanetta	90	Fair		Fair		Fair	
		Low content of organic matter	0.88	Low strength	0.22	Depth to saturated zone	0.98
		Water erosion	0.99	Depth to saturated zone	0.98	No rock fragments	>0.99
Wet spots	5	Not Rated		Not Rated		Not Rated	

46A:

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
46A:							
Millrock	65	Poor		Good		Poor	
		Wind erosion	0.00			Too sandy	0.00
		Too sandy	0.00			Hard to reclaim	0.88
		Droughty	0.09			Rock fragments	0.88
Wet spots	5	Not Rated		Not Rated		Not Rated	
47B:							
Monongahela	75	Fair		Poor		Fair	
		Depth to cemented pan	0.10	Depth to cemented pan	0.00	Depth to cemented pan	0.10
		Low content of organic matter	0.13	Depth to saturated zone	0.76	Depth to saturated zone	0.76
		Droughty	0.44			Too acid	0.88
Purdy	5	Not Rated		Not Rated		Not Rated	
47C2:							
Monongahela	75	Fair		Poor		Fair	
		Depth to cemented pan	0.10	Depth to cemented pan	0.00	Depth to cemented pan	0.10
		Low content of organic matter	0.13	Depth to saturated zone	0.76	Slope	0.63
		Droughty	0.44			Depth to saturated zone	0.76
Purdy	5	Not Rated		Not Rated		Not Rated	
48B:							
Monongahela	75	Fair		Poor		Fair	
		Depth to cemented pan	0.10	Depth to cemented pan	0.00	Depth to cemented pan	0.10
		Low content of organic matter	0.13	Depth to saturated zone	0.76	Depth to saturated zone	0.76
		Droughty	0.44			Too acid	0.88
Purdy	5	Not Rated		Not Rated		Not Rated	
48C:							
Monongahela	75	Fair		Poor		Fair	
		Depth to cemented pan	0.10	Depth to cemented pan	0.00	Depth to cemented pan	0.10
		Low content of organic matter	0.13	Depth to saturated zone	0.76	Slope	0.63
		Droughty	0.44			Depth to saturated zone	0.76
Purdy	5	Not Rated		Not Rated		Not Rated	
49C:							

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
49C:							
Myersville	80	Fair		Fair		Poor	
		Low content of organic matter	0.13	Depth to bedrock	0.12	Rock fragments	0.00
		Droughty	0.22			Slope	0.63
		Too acid	0.54			Too acid	0.98
49D:							
Myersville	80	Fair		Fair		Poor	
		Low content of organic matter	0.13	Depth to bedrock	0.12	Slope	0.00
		Droughty	0.22	Slope	0.50	Rock fragments	0.00
		Too acid	0.54			Too acid	0.98
49F:							
Myersville	80	Fair		Poor		Poor	
		Low content of organic matter	0.13	Slope	0.00	Slope	0.00
		Droughty	0.22	Depth to bedrock	0.12	Rock fragments	0.00
		Too acid	0.54			Too acid	0.98
50B:							
Nixa	40	Poor		Poor		Poor	
		Droughty	0.00	Depth to cemented pan	0.00	Depth to cemented pan	0.00
		Depth to cemented pan	0.00			Rock fragments	0.00
		Too acid	0.32			Too acid	0.88
Frederick	35	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.16	Rock fragments	0.88
		Too acid	0.54			Too acid	0.98
Lodi	15	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.32	Shrink-swell	0.87	Rock fragments	0.50
		Low content of organic matter	0.50			Too acid	0.88
Wet spots	3	Not Rated		Not Rated		Not Rated	
50C:							
Nixa	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to cemented pan	0.00	Depth to cemented pan	0.00
		Depth to cemented pan	0.00			Rock fragments	0.00
		Too acid	0.32			Slope	0.63

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
50C:							
Frederick	30	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.16	Slope	0.63
		Too acid	0.54			Rock fragments	0.88
Lodi	25	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.32	Shrink-swell	0.87	Rock fragments	0.50
		Low content of organic matter	0.50			Slope	0.63
Wet spots	3	Not Rated		Not Rated		Not Rated	
51:							
Pits	100	Not Rated		Good		Not Rated	
52:							
Pits	100	Not Rated		Good		Not Rated	
53:							
Pits and dumps	100	Not Rated		Not Rated		Not Rated	
54A:							
Purdy	80	Poor		Poor		Poor	
		Too clayey	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
		Too acid	0.50	Shrink-swell	0.87	Too acid	0.60
Very poorly drained soils	5	Not Rated		Not Rated		Not Rated	
55C:							
Rock outcrop	40	Not Rated		Not Rated		Not Rated	
Carbo	35	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Low strength	0.00	Depth to bedrock	0.71
		Droughty	0.49	Shrink-swell	0.13	Slope	0.84
56C:							
Rock outcrop	45	Not Rated		Not Rated		Not Rated	
Frederick	30	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.16	Rock fragments	0.88
		Too acid	0.54			Slope	0.96

56D:

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
56D:							
Rock outcrop	50	Not Rated		Not Rated		Not Rated	
Frederick	30	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Too Clayey	0.00
		Too acid	0.54	Shrink-swell	0.16	Rock fragments	0.88
57E:							
Rock outcrop	45	Not Rated		Not Rated		Not Rated	
Laidig	40	Fair		Poor		Poor	
		Too acid	0.12	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Depth to cemented pan	0.01	Rock fragments	0.00
		Droughty	0.33			Hard to reclaim	0.32
58B2:							
Sequoia	80	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Low strength	0.00	Rock fragments	0.88
		Too acid	0.50	Shrink-swell	0.87	Too acid	0.88
Wet soils	3	Not Rated		Not Rated		Not Rated	
58C2:							
Sequoia	80	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Low strength	0.00	Slope	0.63
		Too acid	0.50	Shrink-swell	0.87	Rock fragments	0.88
Wet soils	3	Not Rated		Not Rated		Not Rated	
59B2:							
Sequoia	55	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Low strength	0.00	Rock fragments	0.88
		Too acid	0.50	Shrink-swell	0.87	Too acid	0.88
Berks	40	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.65
		Too acid	0.50			Too acid	0.92
Wet soils	3	Not Rated		Not Rated		Not Rated	
59C2:							

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
59C2:							
Sequoia	55	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Low strength	0.00	Slope	0.63
		Too acid	0.50	Shrink-swell	0.87	Rock fragments	0.88
Berks	40	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Slope	0.63
		Too acid	0.50			Depth to bedrock	0.65
59D2:							
Sequoia	60	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
		Too acid	0.50	Slope	0.50	Rock fragments	0.88
Berks	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.65
Wet soils	3	Not Rated		Not Rated		Not Rated	
60C:							
Sequoia	50	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Low strength	0.00	Slope	0.63
		Too acid	0.50	Shrink-swell	0.87	Rock fragments	0.88
Berks	40	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Slope	0.63
		Too acid	0.50			Depth to bedrock	0.65
Wet soils	3	Not Rated		Not Rated		Not Rated	
60D:							
Sequoia	50	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
		Too acid	0.50	Slope	0.50	Rock fragments	0.88

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
60D:							
Berks	45	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.65
Wet soils	3	Not Rated		Not Rated		Not Rated	
61B:							
Shelocta variant	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.87	Rock fragments	0.00
		Too acid	0.32			Hard to reclaim	0.92
Wet spots	3	Not Rated		Not Rated		Not Rated	
62C:							
Shelocta variant	75	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.87	Rock fragments	0.00
		Too acid	0.32			Slope	0.84
Wet spots	3	Not Rated		Not Rated		Not Rated	
63B:							
Shenval	75	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.87	Too acid	0.98
		Too acid	0.54				
63C2:							
Shenval	75	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.87	Slope	0.63
		Too acid	0.54			Too acid	0.98
63D2:							
Shenval	70	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Too Clayey	0.00
		Too acid	0.54	Shrink-swell	0.87	Too acid	0.98
64C:							

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
64C:							
Sherando	85	Poor		Poor		Poor	
		Low content of organic matter	0.00	Cobble content	0.00	Rock fragments	0.00
		Droughty	0.09			Hard to reclaim	0.00
		Cobble content	0.46			Slope	0.63
64D:							
Sherando, COBBLY	85	Poor		Poor		Poor	
		Low content of organic matter	0.00	Slope	0.00	Slope	0.00
		Droughty	0.09	Cobble content	0.00	Rock fragments	0.00
		Cobble content	0.46			Hard to reclaim	0.00
65B2:							
Swimley	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.00	Shrink-swell	0.39		
		Too acid	0.89				
Wet spots	3	Not Rated		Not Rated		Not Rated	
65C2:							
Swimley	75	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.00	Shrink-swell	0.39	Slope	0.63
		Too acid	0.89				
Wet spots	3	Not Rated		Not Rated		Not Rated	
66D:							
Sylco	80	Fair		Poor		Poor	
		Droughty	0.18	Depth to bedrock	0.00	Slope	0.00
		Too acid	0.50	Slope	0.50	Rock fragments	0.00
		Depth to bedrock	0.84	Cobble content	>0.99	Too acid	0.60
66E:							
Sylco	80	Fair		Poor		Poor	
		Droughty	0.18	Depth to bedrock	0.00	Slope	0.00
		Too acid	0.50	Slope	0.00	Rock fragments	0.00
		Depth to bedrock	0.84	Cobble content	>0.99	Too acid	0.60
67F:							
Sylco	80	Fair		Poor		Poor	
		Droughty	0.18	Depth to bedrock	0.00	Slope	0.00
		Too acid	0.50	Slope	0.00	Rock fragments	0.00
		Depth to bedrock	0.84	Cobble content	>0.99	Too acid	0.60
68B:							

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
68B:							
Timberville variant	85	Fair		Poor		Poor	
		Too acid	0.39	Low strength	0.00	Hard to reclaim	0.00
		Low content of organic matter	0.88			Rock fragments	0.50
						Too acid	0.92
69A:							
Tioga	75	Fair		Good		Fair	
		Low content of organic matter	0.50			Rock fragments	0.13
		Too acid	0.97				
		Water erosion	0.99				
70A:							
Typic Udorthents	80	Fair		Good		Poor	
		Droughty	0.02			Rock fragments	0.00
		Too acid	0.74			Hard to reclaim	0.00
71B2:							
Unison	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.87	Rock fragments	0.50
		Too acid	0.54			Hard to reclaim	0.68
71C2:							
Unison	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.87	Rock fragments	0.50
		Too acid	0.54			Slope	0.63
72B2:							
Unison	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.87	Rock fragments	0.50
		Too acid	0.54	No cobble limitation	>0.99	Hard to reclaim	0.68
72C2:							
Unison	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.87	Rock fragments	0.50
		Too acid	0.54	No cobble limitation	>0.99	Slope	0.63
72D2:							

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
72D2:							
Unison	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.08	Too Clayey	0.00
		Too acid	0.54	Shrink-swell	0.87	Rock fragments	0.50
73:							
Urban land	100	Not Rated		Not Rated		Not Rated	
74E2:							
Weikert	45	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Depth to bedrock	0.00
		Too acid	0.54			Rock fragments	0.00
Berks	40	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.65
Wet spots	3	Not Rated		Not Rated		Not Rated	
74F2:							
Weikert	50	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Depth to bedrock	0.00
		Too acid	0.54			Rock fragments	0.00
Berks	45	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.65
75E2:							
Weikert	45	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Depth to bedrock	0.00
		Too acid	0.54			Rock fragments	0.88
Berks	40	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.65
75F2:							

Table ENG-2. - Construction Materials - Continued

Rockingham County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
75F2:							
Weikert	50	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Depth to bedrock	0.00
		Too acid	0.54			Rock fragments	0.88
Berks	40	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.65
Wet spots	3	Not Rated		Not Rated		Not Rated	
76A:							
Wheeling	85	Fair		Poor		Good	
		Too acid	0.74	Low strength	0.00		
		Low content of organic matter	0.88				
		Water erosion	0.99				
W:							
Water	100	Not Rated		Not Rated		Not Rated	