

RUSLE Related Attributes

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Unit Symbol and Map Unit Name	% Comp- osition	Component	Hydrologic Group	Kw	T Factor	Representative Value		
						% Sand	% Silt	% Clay
1A: Alderflats silt loam, 0 to 4 percent slopes	90	Alderflats	D	.43	3	26.5	53.5	20.0
2B: Allegheny loam, 2 to 7 percent slopes	75	Allegheny	B	.32	4	41.6	37.4	21.0
2C: Allegheny loam, 7 to 15 percent slopes	85	Allegheny	B	.32	4	41.6	37.4	21.0
3C3: Chilhowie silty clay loam, 7 to 15 percent slopes, severely eroded	75	Chilhowie	C	.37	2	16.9	48.1	35.0
3D3: Chilhowie silty clay loam, 15 to 25 percent slopes, severely eroded	80	Chilhowie	C	.37	2	16.9	48.1	35.0
3E3: Chilhowie silty clay loam, 25 to 60 percent slopes, severely eroded	70	Chilhowie	C	.37	2	16.9	48.1	35.0
4E: Chilhowie silty clay loam, 25 to 60 percent slopes, very rocky	85	Chilhowie	C	.37	2	16.9	48.1	35.0
5C: Chiswell-Litz complex, 7 to 15 percent slopes	45	Chiswell	D	.24	2	27.1	54.4	18.5
	30	Litz	C	.32	3	27.1	54.4	18.5
5D: Chiswell-Litz complex, 15 to 25 percent slopes	45	Chiswell	D	.24	2	27.1	54.4	18.5
	30	Litz	C	.32	3	27.1	54.4	18.5
5E: Chiswell-Litz complex, 25 to 50 percent slopes	45	Chiswell	D	.24	2	27.1	54.4	18.5

RUSLE Related Attributes - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Unit Symbol and Map Unit Name	% Comp- osition	Component	Hydrologic Group	Kw	T Factor	Representative Value		
						% Sand	% Silt	% Clay
5E: Chiswell-Litz complex, 25 to 50 percent slopes	25	Litz	C	.32	3	27.1	54.4	18.5
6C: Chiswell-Litz-Urban land complex, 2 to 15 percent slopes	35	Chiswell	D	.24	2	27.1	54.4	18.5
	25	Litz	C	.32	3	27.1	54.4	18.5
	20	Urban land	---	---	---	---	---	---
6D: Chiswell-Litz-Urban land complex, 15 to 35 percent slopes	35	Chiswell	D	.24	2	27.1	54.4	18.5
	25	Litz	C	.32	3	27.1	54.4	18.5
	20	Urban land	---	---	---	---	---	---
7A: Clubcaf silt loam, 0 to 2 percent slopes, occasionally flooded	75	Clubcaf	D	.28	5	13.9	70.1	16.0
8A: Combs loam, 0 to 2 percent slopes, occasionally flooded	75	Combs	B	.28	5	45.3	43.2	11.5
	5	Clubcaf	---	---	---	---	---	---
9B: Cotaco loam, 2 to 7 percent slopes	75	Cotaco	C	.37	3	43.3	39.7	17.0
	3	Purdy	---	---	---	---	---	---
9C: Cotaco loam, 7 to 15 percent slopes	80	Cotaco	C	.37	3	43.3	39.7	17.0
	3	Purdy	---	---	---	---	---	---

RUSLE Related Attributes - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Unit Symbol and Map Unit Name	% Comp- osition	Component	Hydrologic Group	Kw	T Factor	Representative Value		
						% Sand	% Silt	% Clay
10D: DeKalb channery sandy loam, 15 to 35 percent slopes	80	DeKalb	C	.24	2	65.9	19.1	15.0
11C: DeKalb channery sandy loam, 7 to 15 percent slopes, very stony	80	DeKalb	A	.24	2	65.9	19.1	15.0
11D: DeKalb channery sandy loam, 15 to 35 percent slopes, very stony	80	DeKalb	A	.24	2	65.9	19.1	15.0
11E: DeKalb channery sandy loam, 35 to 60 percent slopes, very stony	80	DeKalb	A	.24	2	65.9	19.1	15.0
11F: DeKalb channery sandy loam, 60 to 80 percent slopes, very stony	75	DeKalb	C	.24	2	65.9	19.1	15.0
12F: DeKalb-Rock outcrop complex, 25 to 80 percent slopes	55	DeKalb	C	.24	2	65.9	19.1	15.0
	20	Rock outcrop	D	---	---	---	---	---
13A: Derroc cobbly sandy loam, 0 to 4 percent slopes, occasionally flooded	75	Derroc	B	.17	3	66.9	23.1	10.0
	3	Clubcaf	---	---	---	---	---	---
14: Dumps	85	Dumps	---	---	---	---	---	---
15C: Edgemont channery sandy loam, 7 to 15 percent slopes	75	Edgemont	B	.15	3	67.9	19.6	12.5

RUSLE Related Attributes - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Unit Symbol and Map Unit Name	% Comp- osition	Component	Hydrologic Group	Kw	T Factor	Representative Value		
						% Sand	% Silt	% Clay
15D: Edgemont channery sandy loam, 15 to 35 percent slopes	80	Edgemont	B	.15	3	67.9	19.6	12.5
15E: Edgemont channery sandy loam, 35 to 60 percent slopes	80	Edgemont	B	.15	3	67.9	19.6	12.5
16B: Edneyville fine sandy loam, 2 to 7 percent slopes	80	Edneyville	B	.24	4	67.5	21.0	11.5
16C: Edneyville fine sandy loam, 7 to 15 percent slopes	80	Edneyville	B	.24	4	67.5	21.0	11.5
16D: Edneyville fine sandy loam, 15 to 25 percent slopes	80	Edneyville	B	.24	4	67.5	21.0	11.5
16E: Edneyville fine sandy loam, 25 to 55 percent slopes	80	Edneyville	B	.24	4	67.5	21.0	11.5
17C: Evard fine sandy loam, 7 to 15 percent slopes	75	Evard	B	.24	5	70.9	16.6	12.5
17D: Evard fine sandy loam, 15 to 25 percent slopes	75	Evard	B	.24	5	70.9	16.6	12.5
17E: Evard fine sandy loam, 25 to 55 percent slopes	75	Evard	B	.24	5	70.9	16.6	12.5
18B: Frederick silt loam, 2 to 7 percent slopes	80	Frederick	B	.32	4	26.5	53.5	20.0

RUSLE Related Attributes - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Unit Symbol and Map Unit Name	% Comp- osition	Component	Hydrologic Group	Kw	T Factor	Representative Value		
						% Sand	% Silt	% Clay
18C: Frederick silt loam, 7 to 15 percent slopes	80	Frederick	B	.32	4	26.5	53.5	20.0
18D: Frederick silt loam, 15 to 25 percent slopes	80	Frederick	B	.32	4	26.5	53.5	20.0
19C: Frederick very gravelly silt loam, 7 to 15 percent slopes	80	Frederick	B	.28	4	26.5	53.5	20.0
19D: Frederick very gravelly silt loam, 15 to 25 percent slopes	80	Frederick	B	.28	4	26.5	53.5	20.0
19E: Frederick very gravelly silt loam, 25 to 40 percent slopes	80	Frederick	B	.28	4	26.5	53.5	20.0
20C: Frederick silt loam, 2 to 15 percent slopes, very rocky	80	Frederick	B	.32	4	26.5	53.5	20.0
20E: Frederick silt loam, 15 to 45 percent slopes, very rocky	80	Frederick	B	.32	4	26.5	53.5	20.0
21C: Frederick-Urban land complex, 2 to 15 percent slopes	45	Frederick	B	.32	4	26.5	53.5	20.0
	35	Urban land	---	---	---	---	---	---
21D: Frederick-Urban land complex, 15 to 30 percent slopes	45	Frederick	B	.32	4	26.5	53.5	20.0
	35	Urban land	---	---	---	---	---	---

RUSLE Related Attributes - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Unit Symbol and Map Unit Name	% Comp- osition	Component	Hydrologic Group	Kw	T Factor	Representative Value		
						% Sand	% Silt	% Clay
22C: Gilpin loam, 7 to 15 percent slopes	75	Gilpin	C	.32	3	41.6	37.4	21.0
22D: Gilpin loam, 15 to 25 percent slopes	75	Gilpin	C	.32	3	41.6	37.4	21.0
23C: Grimsley cobbly loam, 7 to 15 percent slopes	75	Grimsley	B	.20	4	44.3	40.7	15.0
24C: Groseclose silt loam, 7 to 15 percent slopes	80	Groseclose	C	.43	4	29.3	53.7	17.0
24D: Groseclose silt loam, 15 to 25 percent slopes	80	Groseclose	C	.43	4	29.3	53.7	17.0
24E: Groseclose silt loam, 25 to 35 percent slopes	75	Groseclose	C	.43	4	29.3	53.7	17.0
25C: Groseclose-Litz complex, 2 to 15 percent slopes	45	Groseclose	C	.43	4	29.3	53.7	17.0
	30	Litz	C	.32	3	27.1	54.4	18.5
25D: Groseclose-Litz complex, 15 to 25 percent slopes	45	Groseclose	C	.43	4	29.3	53.7	17.0
	30	Litz	C	.32	3	27.1	54.4	18.5
25E: Groseclose-Litz complex, 25 to 35 percent slopes	45	Groseclose	C	.43	4	29.3	53.7	17.0
	30	Litz	C	.32	3	27.1	54.4	18.5

RUSLE Related Attributes - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Unit Symbol and Map Unit Name	% Comp- osition	Component	Hydrologic Group	Kw	T Factor	Representative Value		
						% Sand	% Silt	% Clay
26B: Hayesville fine sandy loam, 2 to 7 percent slopes	80	Hayesville	B	.20	5	68.1	14.4	17.5
26C: Hayesville fine sandy loam, 7 to 15 percent slopes	75	Hayesville	B	.20	5	68.1	14.4	17.5
26D: Hayesville fine sandy loam, 15 to 25 percent slopes	75	Hayesville	B	.20	5	68.1	14.4	17.5
27C: Hayesville gravelly fine sandy loam, 7 to 15 percent slopes	80	Hayesville	B	.20	5	68.4	16.1	15.5
27D: Hayesville gravelly fine sandy loam, 15 to 25 percent slopes	75	Hayesville	B	.20	5	68.4	16.1	15.5
28E: Hayesville channery fine sandy loam, 25 to 50 percent slopes, very stony	75	Hayesville	C	.20	4	68.1	14.4	17.5
29C: Hayesville-Urban land complex, 2 to 15 percent slopes	45	Hayesville	B	.20	5	68.1	14.4	17.5
	30	Urban land	---	---	---	---	---	---
29D: Hayesville-Urban land complex, 15 to 30 percent slopes	45	Hayesville	B	.20	5	68.1	14.4	17.5
	30	Urban land	---	---	---	---	---	---
30C: Laidig fine sandy loam, 7 to 15 percent slopes	75	Laidig	C	.24	4	70.1	16.4	13.5

RUSLE Related Attributes - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Unit Symbol and Map Unit Name	% Comp- osition	Component	Hydrologic Group	Kw	T Factor	Representative Value		
						% Sand	% Silt	% Clay
30D: Laidig fine sandy loam, 15 to 25 percent slopes	75	Laidig	C	.24	4	70.1	16.4	13.5
31D: Laidig fine sandy loam, 15 to 25 percent slopes, very stony	75	Laidig	C	.24	4	70.1	16.4	13.5
32B: Macove gravelly silt loam, 2 to 7 percent slopes	75	Macove	B	.20	5	29.1	53.4	17.5
32C: Macove gravelly silt loam, 7 to 15 percent slopes	75	Macove	B	.20	5	29.1	53.4	17.5
33E: Opequon-Rock outcrop complex, 15 to 35 percent slopes	55	Opequon	C	.32	1	19.0	45.0	36.0
	30	Rock outcrop	D	---	---	---	---	---
34E: Peaks gravelly loam, 35 to 60 percent slopes, very stony	75	Peaks	C	.15	2	46.0	44.0	10.0
34F: Peaks gravelly loam, 60 to 75 percent slopes, very stony	75	Peaks	C	.15	2	46.0	44.0	10.0
35: Pits, quarries	85	Pits	---	---	---	---	---	---
36A: Purdy silt loam, 0 to 4 percent slopes	85	Purdy	D	.43	3	19.2	54.3	26.5
37B: Sequoia silt loam, 2 to 7 percent slopes	75	Sequoia	C	.37	3	26.3	52.7	21.0

RUSLE Related Attributes - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Unit Symbol and Map Unit Name	% Comp- osition	Component	Hydrologic Group	Kw	T Factor	Representative Value		
						% Sand	% Silt	% Clay
37C: Sequoia silt loam, 7 to 15 percent slopes	75	Sequoia	C	.37	3	26.3	52.7	21.0
37D: Sequoia silt loam, 15 to 25 percent slopes	75	Sequoia	C	.37	3	26.3	52.7	21.0
37E: Sequoia silt loam, 25 to 40 percent slopes	75	Sequoia	C	.37	3	26.3	52.7	21.0
38B: Shelocta silt loam, 2 to 7 percent slopes	80	Shelocta	B	.32	4	29.1	53.4	17.5
38C: Shelotca silt loam, 7 to 15 percent slopes	80	Shelocta	B	.32	4	29.1	53.4	17.5
38D: Shelocta silt loam, 15 to 25 percent slopes	80	Shelocta	B	.32	4	29.1	53.4	17.5
39B: Shottower loam, 2 to 7 percent slopes	80	Shottower	B	.32	5	41.6	37.4	21.0
39C: Shottower loam, 7 to 15 percent slopes	80	Shottower	B	.32	5	41.6	37.4	21.0
40C: Shottower cobbly loam, 7 to 15 percent slopes	80	Shottower	B	.24	5	41.6	37.4	21.0
40D: Shottower cobbly loam, 15 to 30 percent slopes	80	Shottower	B	.24	5	41.6	37.4	21.0
41C: Shottower-Urban land complex, 2 to 15 percent slopes	40	Shottower	B	.32	5	41.6	37.4	21.0

RUSLE Related Attributes - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Unit Symbol and Map Unit Name	% Comp- osition	Component	Hydrologic Group	Kw	T Factor	Representative Value		
						% Sand	% Silt	% Clay
41C: Shottower-Urban land complex, 2 to 15 percent slopes	35	Urban land	---	---	---	---	---	---
41D: Shottower-Urban land complex, 15 to 25 percent slopes	40	Shottower	B	.32	5	41.6	37.4	21.0
	35	Urban land	---	---	---	---	---	---
42A: Sindion loam, 0 to 2 percent slopes, occasionally flooded	75	Sindion	B	.32	5	41.6	37.4	21.0
	5	Clubcaf	---	---	---	---	---	---
43A: Speedwell loam, 0 to 2 percent slopes, occasionally flooded	75	Speedwell	B	.32	5	43.8	40.2	16.0
	5	Clubcaf	---	---	---	---	---	---
44A: Speedwell-Urban land complex, 0 to 2 percent slopes, occasionally flooded	40	Speedwell	B	.32	5	43.8	40.2	16.0
	35	Urban land	---	---	---	---	---	---
	5	Clubcaf	---	---	---	---	---	---
45C: Spessard loamy sand, 7 to 15 percent slopes	75	Spessard	A	.10	5	79.7	16.8	3.5
45D: Spessard loamy sand, 15 to 25 percent slopes	75	Spessard	A	.10	5	79.7	16.8	3.5
45E: Spessard loamy sand, 25 to 40 percent slopes	75	Spessard	A	.10	5	79.7	16.8	3.5

RUSLE Related Attributes - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Unit Symbol and Map Unit Name	% Comp- osition	Component	Hydrologic Group	Kw	T Factor	Representative Value		
						% Sand	% Silt	% Clay
46E: Sylvatus very channery silt loam, 35 to 55 percent slopes	75	Sylvatus	D	.17	1	27.1	54.4	18.5
46F: Sylvatus very channery silt loam, 55 to 75 percent slopes	75	Sylvatus	D	.17	1	27.1	54.4	18.5
47B: Thurmont sandy loam, 2 to 7 percent slopes	80	Thurmont	B	.32	4	67.2	15.3	17.5
47C: Thurmont sandy loam, 7 to 15 percent slopes	80	Thurmont	B	.32	4	67.2	15.3	17.5
48B: Timberville silt loam, 2 to 7 percent slopes, occassionally flooded	80	Timberville	B	.32	5	29.8	54.7	15.5
49B: Tumbling loam, 2 to 7 percent slopes	80	Tumbling	B	.32	5	43.0	38.5	18.5
49C: Tumbling loam, 7 to 15 percent slopes	80	Tumbling	B	.32	5	43.0	38.5	18.5
49D: Tumbling loam, 15 to 25 percent slopes	80	Tumbling	B	.32	5	43.0	38.5	18.5
50C: Tumbling loam, 7 to 15 percent slopes, very stony	80	Tumbling	B	.24	5	43.0	38.5	18.5
50D: Tumbling loam, 15 to 25 percent slopes, very stony	80	Tumbling	B	.24	5	43.0	38.5	18.5
50E: Tumbling loam, 25 to 45 percent slopes, very stony	80	Tumbling	B	.24	5	43.0	38.5	18.5

RUSLE Related Attributes - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Unit Symbol and Map Unit Name	% Comp- osition	Component	Hydrologic Group	Kw	T Factor	Representative Value		
						% Sand	% Silt	% Clay
51C: Tumbling-Urban land complex, 2 to 15 percent slopes	40	Tumbling	B	.32	5	43.0	38.5	18.5
	35	Urban land	---	---	---	---	---	---
52: Udorthents-Urban land complex	60	Udorthents	---	---	---	---	---	---
	25	Urban land	---	---	---	---	---	---
53: Urban land	80	Urban land	---	---	---	---	---	---
	3	Wet Spots	---	---	---	---	---	---
54C: Weikert-Berks complex, 7 to 15 percent slopes	45	Weikert	B/D	.28	2	26.3	52.7	21.0
	30	Berks	C	.17	3	30.4	55.6	14.0
54E: Weikert-Berks complex, 15 to 45 percent slopes	45	Weikert	B/D	.28	2	26.3	52.7	21.0
	30	Berks	C	.17	3	30.4	55.6	14.0
55F: Weikert-Rock outcrop complex, 45 to 70 percent slopes	65	Weikert	B/D	.28	2	26.3	52.7	21.0
	25	Rock outcrop	D	---	---	---	---	---
56A: Wheeling loam, 0 to 2 percent slopes, rarely flooded	80	Wheeling	B	.37	4	43.8	40.2	16.0

RUSLE Related Attributes - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Unit Symbol and Map Unit Name	% Comp- osition	Component	Hydrologic Group	Kw	T Factor	Representative Value		
						% Sand	% Silt	% Clay
56B: Wheeling loam, 2 to 7 percent slopes, rarely flooded	80	Wheeling	B	.37	4	43.8	40.2	16.0
57A: Wheeling-Urban land complex, 0 to 2 percent slopes, rarely flooded	40	Wheeling	B	.37	4	43.8	40.2	16.0
	25	Urban land	---	---	---	---	---	---
58B: Zoar silt loam, 2 to 7 percent slopes	75	Zoar	C	.43	3	22.4	55.1	22.5
	5	Purdy	---	---	---	---	---	---
W: Water	100	Water	---	---	---	---	---	---