

Physical Properties of the Soils

Lee County, Alabama

NOTE: Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
2: Appling-----	0-8	---	---	5-20	1.40-1.65	1.98-5.95	0.10-0.15	0.0-2.9	0.5-2.0	.24	.28	4	3	86
	8-35	---	---	35-60	1.25-1.45	0.57-1.98	0.15-0.17	0.0-2.9	0.0-0.5	.28	.28			
	35-54	---	---	20-50	1.25-1.45	0.57-1.98	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	54-60	---	---	---	---	---	---	---	---	---	---			
3: Appling-----	0-7	---	---	5-20	1.40-1.65	1.98-5.95	0.10-0.15	0.0-2.9	0.5-2.0	.24	.28	4	3	86
	7-29	---	---	35-60	1.25-1.45	0.57-1.98	0.15-0.17	0.0-2.9	0.0-0.5	.28	.28			
	29-44	---	---	20-50	1.25-1.45	0.57-1.98	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	44-60	---	---	---	---	---	---	---	---	---	---			
4: Blanton-----	0-48	---	---	5-13	1.35-1.60	5.95-19.98	0.05-0.10	0.0-2.9	0.5-2.0	.10	.10	5	2	134
	48-56	---	---	10-18	1.50-1.65	1.98-5.95	0.10-0.15	0.0-2.9	0.0-0.5	.15	.15			
	56-99	---	---	12-40	1.60-1.70	0.20-1.98	0.10-0.15	0.0-2.9	0.0-0.5	.20	.20			
5: Blanton-----	0-56	---	---	5-13	1.35-1.60	5.95-19.98	0.05-0.10	0.0-2.9	0.5-2.0	.10	.10	5	2	134
	56-70	---	---	12-40	1.60-1.70	0.20-1.98	0.10-0.15	0.0-2.9	0.0-0.5	.20	.20			
6: Cartecay-----	0-7	---	---	20-35	1.25-1.45	1.98-5.95	0.12-0.16	0.0-2.9	2.0-3.0	.32	.32	5	5	56
	7-65	---	---	8-18	1.30-1.50	1.98-5.95	0.09-0.12	0.0-2.9	0.5-1.0	.24	.24			
	65-69	---	---	2-16	1.30-1.55	5.95-19.98	0.06-0.09	0.0-2.9	0.5-1.0	.15	.20			
7: Cecil-----	0-4	---	---	5-20	1.30-1.50	1.98-5.95	0.12-0.14	0.0-2.9	0.5-1.0	.28	.28	4	3	86
	4-60	---	---	35-70	1.30-1.50	0.57-1.98	0.13-0.15	0.0-2.9	0.0-0.2	.28	.28			
	60-70	---	---	---	---	---	---	---	---	---	---			
8: Cecil-----	0-6	---	---	5-20	1.30-1.50	1.98-5.95	0.12-0.14	0.0-2.9	0.5-1.0	.28	.28	4	3	86
	6-60	---	---	35-70	1.30-1.50	0.57-1.98	0.13-0.15	0.0-2.9	0.0-0.2	.28	.28			
	60-70	---	---	---	---	---	---	---	---	---	---			

Physical Properties of the Soils, cont.

Lee County, Alabama

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
9: Cecil-----	0-7	---	---	5-20	1.30-1.50	1.98-5.95	0.12-0.14	0.0-2.9	0.5-1.0	.28	.28	4	3	86
	7-57	---	---	35-70	1.30-1.50	0.57-1.98	0.13-0.15	0.0-2.9	0.0-0.2	.28	.28			
	57-70	---	---	---	---	---	---	---	---	---	---			
10: Cecil-----	0-8	---	---	5-20	1.40-1.60	1.98-5.95	0.07-0.09	0.0-2.9	0.5-1.0	.15	.28	4	3	86
	8-48	---	---	35-70	1.30-1.50	0.57-1.98	0.13-0.15	0.0-2.9	0.0-0.2	.28	.28			
	48-60	---	---	---	---	---	---	---	---	---	---			
11: Cowarts-----	0-15	---	---	3-10	1.30-1.70	1.98-5.95	0.06-0.10	0.0-2.9	0.5-2.0	.15	.15	4	2	134
	15-20	---	---	10-30	1.30-1.50	0.57-1.98	0.10-0.16	0.0-2.9	0.2-1.0	.28	.28			
	20-34	---	---	25-40	1.30-1.50	0.20-1.98	0.10-0.16	0.0-2.9	0.0-0.5	.28	.28			
	34-80	---	---	18-35	1.65-1.80	0.06-0.57	0.10-0.14	0.0-2.9	0.0-0.5	.24	.24			
12: Cowarts-----	0-6	---	---	3-10	1.30-1.70	1.98-5.95	0.06-0.10	0.0-2.9	0.5-2.0	.15	.15	4	2	134
	6-37	---	---	25-40	1.30-1.50	0.20-1.98	0.10-0.16	0.0-2.9	0.0-0.5	.28	.28			
	37-60	---	---	18-35	1.65-1.80	0.06-0.57	0.10-0.14	0.0-2.9	0.0-0.5	.24	.24			
13: Cowarts-----	0-9	---	---	3-10	1.30-1.70	1.98-5.95	0.06-0.10	0.0-2.9	0.5-2.0	.15	.15	4	2	134
	9-28	---	---	25-40	1.30-1.50	0.20-1.98	0.10-0.16	0.0-2.9	0.0-0.5	.28	.28			
	28-60	---	---	18-35	1.65-1.80	0.06-0.57	0.10-0.14	0.0-2.9	0.0-0.5	.24	.24			
14: Durham-----	0-10	---	---	5-20	1.30-1.60	1.98-5.95	0.08-0.12	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	10-59	---	---	18-35	1.30-1.60	0.57-1.98	0.12-0.16	0.0-2.9	---	.20	.20			
	59-85	---	---	5-20	1.60-1.80	0.57-1.98	0.06-0.10	0.0-2.9	---	.17	.17			
15: Enoree-----	0-9	---	---	10-30	1.20-1.40	0.57-1.98	0.14-0.19	0.0-2.9	0.5-1.0	.32	.32	5	7	38
	9-60	---	---	10-25	1.20-1.50	1.98-5.95	0.10-0.15	0.0-2.9	---	.20	.20			
	60-64	---	---	5-15	1.30-1.60	1.98-5.95	0.05-0.12	0.0-2.9	---	.20	.20			
16: Gwinnett-----	0-8	---	---	15-25	1.35-1.55	0.57-1.98	0.11-0.17	0.0-2.9	1.0-3.0	.28	.28	4	3	86
	8-39	---	---	35-60	1.30-1.45	0.57-1.98	0.11-0.16	0.0-2.9	---	.28	.28			
	39-50	---	---	---	---	0.00-0.00	---	---	---	---	---			
17: Gwinnett-----	0-4	---	---	15-25	1.35-1.55	0.57-1.98	0.11-0.17	0.0-2.9	1.0-3.0	.28	.28	4	3	86
	4-25	---	---	35-60	1.30-1.45	0.57-1.98	0.11-0.16	0.0-2.9	---	.28	.28			
	25-40	---	---	---	---	0.00-0.00	---	---	---	---	---			

Physical Properties of the Soils, cont.

Lee County, Alabama

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
18: Gwinnett-----	0-4	---	---	15-25	1.35-1.55	0.57-1.98	0.11-0.17	0.0-2.9	1.0-3.0	.28	.28	4	3	86
	4-33	---	---	35-60	1.30-1.45	0.57-1.98	0.11-0.16	0.0-2.9	---	.28	.28			
	33-50	---	---	---	---	0.00-0.00	---	---	---	---	---			
19: Hiwassee-----	0-4	---	---	7-20	1.45-1.65	0.57-1.98	0.10-0.14	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	4-48	---	---	35-60	1.30-1.45	0.57-1.98	0.12-0.15	0.0-2.9	0.0-0.5	.28	.28			
	48-80	---	---	7-35	1.45-1.65	0.57-1.98	0.10-0.14	0.0-2.9	0.0-0.2	.28	.28			
20: Hiwassee-----	0-8	---	---	7-20	1.45-1.65	0.57-1.98	0.10-0.14	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	8-54	---	---	35-60	1.30-1.45	0.57-1.98	0.12-0.15	0.0-2.9	0.0-0.5	.28	.28			
	54-80	---	---	7-35	1.45-1.65	0.57-1.98	0.10-0.14	0.0-2.9	0.0-0.2	.28	.28			
21: Kinston-----	0-4	---	---	5-27	1.30-1.50	0.57-1.98	0.14-0.20	0.0-2.9	2.0-5.0	.37	.37	5	5	56
	4-47	---	---	18-35	1.30-1.50	0.57-1.98	0.14-0.18	0.0-2.9	0.0-3.0	.32	.32			
	47-55	---	---	---	---	---	---	---	---	---	---			
22: Louisburg-----	0-8	---	---	5-15	1.25-1.45	5.95-19.98	0.09-0.12	0.0-2.9	0.5-2.0	.24	.24	3	3	86
	8-31	---	---	7-18	1.30-1.50	5.95-19.98	0.10-0.12	0.0-2.9	---	.24	.24			
	31-40	---	---	---	---	---	---	---	---	---	---			
23: Marlboro-----	0-8	---	---	2-10	1.40-1.70	5.95-19.98	0.06-0.09	0.0-2.9	0.5-2.0	.15	.15	5	2	134
	8-53	---	---	35-65	1.20-1.50	0.57-1.98	0.14-0.18	0.0-2.9	---	.20	.20			
	53-90	---	---	30-60	1.20-1.50	0.57-1.98	0.12-0.18	0.0-2.9	---	.20	.20			
24: Marvyn-----	0-7	---	---	2-12	1.35-1.70	1.98-5.95	0.06-0.11	0.0-2.9	0.5-2.0	.15	.15	5	2	134
	7-30	---	---	18-35	1.30-1.60	0.57-1.98	0.12-0.17	0.0-2.9	---	.32	.32			
	30-53	---	---	25-45	1.40-1.60	0.57-1.98	0.11-0.16	0.0-2.9	---	.32	.32			
	53-72	---	---	10-30	1.40-1.60	0.20-1.98	0.07-0.14	0.0-2.9	---	.32	.32			
25: Marvyn-----	0-9	---	---	2-12	1.35-1.70	1.98-5.95	0.06-0.11	0.0-2.9	0.5-2.0	.15	.15	5	2	134
	9-47	---	---	18-35	1.30-1.60	0.57-1.98	0.12-0.17	0.0-2.9	---	.32	.32			
	47-68	---	---	10-30	1.40-1.60	0.20-1.98	0.07-0.14	0.0-2.9	---	.32	.32			

Physical Properties of the Soils, cont.

Lee County, Alabama

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
26: Marvyn-----	0-7	---	---	2-12	1.35-1.70	1.98-5.95	0.06-0.11	0.0-2.9	0.5-2.0	.15	.15	5	2	134
	7-30	---	---	18-35	1.30-1.60	0.57-1.98	0.12-0.17	0.0-2.9	---	.32	.32			
	30-53	---	---	25-45	1.40-1.60	0.57-1.98	0.11-0.16	0.0-2.9	---	.32	.32			
	53-72	---	---	10-30	1.40-1.60	0.20-1.98	0.07-0.14	0.0-2.9	---	.32	.32			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	-	---	---
27: Mecklenburg-----	0-7	---	---	8-25	1.30-1.50	0.57-1.98	0.14-0.19	0.0-2.9	0.5-2.0	.24	.24	4	5	56
	7-41	---	---	40-60	1.40-1.60	0.06-0.20	0.12-0.14	3.0-5.9	---	.28	.28			
	41-45	---	---	---	---	---	---	---	---	---	---			
28: Orangeburg-----	0-7	---	---	4-10	1.35-1.55	1.98-5.95	0.06-0.09	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	7-17	---	---	7-18	1.50-1.65	1.98-5.95	0.09-0.12	0.0-2.9	---	.20	.20			
	17-30	---	---	18-35	1.60-1.75	0.57-1.98	0.11-0.14	0.0-2.9	---	.24	.24			
	30-70	---	---	20-45	1.60-1.75	0.57-1.98	0.11-0.14	0.0-2.9	---	.24	.24			
29: Orangeburg-----	0-6	---	---	4-10	1.35-1.55	1.98-5.95	0.06-0.09	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	6-19	---	---	7-18	1.50-1.65	1.98-5.95	0.09-0.12	0.0-2.9	---	.20	.20			
	19-32	---	---	18-35	1.60-1.75	0.57-1.98	0.11-0.14	0.0-2.9	---	.24	.24			
	32-65	---	---	20-45	1.60-1.75	0.57-1.98	0.11-0.14	0.0-2.9	---	.24	.24			
30: Orangeburg-----	0-10	---	---	4-10	1.35-1.55	1.98-5.95	0.06-0.09	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	10-60	---	---	18-35	1.60-1.75	0.57-1.98	0.11-0.14	0.0-2.9	---	.24	.24			
	60-64	---	---	20-45	1.60-1.75	0.57-1.98	0.11-0.14	0.0-2.9	---	.24	.24			
31: Pacolet-----	0-6	---	---	8-20	1.00-1.50	1.98-5.95	0.08-0.12	0.0-2.9	0.5-2.0	.20	.20	3	3	86
	6-33	---	---	35-65	1.30-1.50	0.57-1.98	0.12-0.15	0.0-2.9	0.0-0.5	.28	.28			
	33-60	---	---	10-25	1.20-1.50	0.57-1.98	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			
32: Pacolet-----	0-3	---	---	8-20	1.00-1.50	1.98-5.95	0.08-0.12	0.0-2.9	0.5-2.0	.20	.20	3	3	86
	3-34	---	---	35-65	1.30-1.50	0.57-1.98	0.12-0.15	0.0-2.9	0.0-0.5	.28	.28			
	34-40	---	---	15-30	1.20-1.50	0.57-1.98	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			
33: Pacolet-----	0-6	---	---	8-20	1.00-1.50	1.98-5.95	0.08-0.12	0.0-2.9	0.5-2.0	.20	.20	3	3	86
	6-29	---	---	35-65	1.30-1.50	0.57-1.98	0.12-0.15	0.0-2.9	0.0-0.5	.28	.28			
	29-60	---	---	10-25	1.20-1.50	0.57-1.98	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			

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Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
34: Pacolet-----	0-6	---	---	8-20	1.00-1.50	1.98-5.95	0.08-0.12	0.0-2.9	0.5-2.0	.20	.20	3	3	86
	6-33	---	---	35-65	1.30-1.50	0.57-1.98	0.12-0.15	0.0-2.9	0.0-0.5	.28	.28			
	33-60	---	---	10-25	1.20-1.50	0.57-1.98	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	-	---	---
35: Pits-----	0-60	---	---	---	---	---	0.00-0.00	---	---	---	---	-	8	0
36: Sacul-----	0-8	---	---	2-15	1.40-1.60	1.98-5.95	0.07-0.09	0.0-2.9	0.5-2.0	.20	.20	5	2	134
	8-26	---	---	35-60	1.25-1.40	0.06-0.20	0.15-0.18	6.0-8.9	0.5-1.0	.32	.32			
	26-60	---	---	15-40	1.30-1.45	0.20-0.57	0.14-0.18	0.0-2.9	0.5-2.0	.28	.37			
37: Sacul-----	0-5	---	---	2-15	1.40-1.60	1.98-5.95	0.07-0.09	0.0-2.9	0.5-2.0	.20	.20	5	2	134
	5-54	---	---	35-60	1.25-1.40	0.06-0.20	0.15-0.18	6.0-8.9	0.5-1.0	.32	.32			
	54-65	---	---	15-40	1.30-1.45	0.20-0.57	0.14-0.18	0.0-2.9	0.5-2.0	.28	.37			
38: Sacul-----	0-8	---	---	10-25	1.30-1.50	0.57-1.98	0.13-0.17	0.0-2.9	1.0-3.0	.32	.37	5	5	56
	8-59	---	---	35-60	1.25-1.40	0.06-0.20	0.15-0.18	6.0-8.9	0.5-1.0	.32	.32			
	59-85	---	---	15-40	1.30-1.45	0.20-0.57	0.14-0.18	0.0-2.9	0.5-2.0	.28	.37			
39: Toccoa-----	0-7	---	---	2-15	1.40-1.55	1.98-5.95	0.09-0.12	0.0-2.9	1.0-2.0	.10	.10	4	3	86
	7-58	---	---	2-19	1.40-1.50	1.98-5.95	0.09-0.12	0.0-2.9	---	.20	.20			
40: Uchee-----	0-26	---	---	3-10	1.30-1.70	5.95-19.98	0.05-0.10	0.0-2.9	0.2-3.0	.10	.10	5	2	134
	26-39	---	---	8-30	1.40-1.60	0.57-1.98	0.10-0.15	0.0-2.9	0.0-0.5	.24	.24			
	39-47	---	---	25-50	1.40-1.60	0.20-0.57	0.10-0.16	3.0-5.9	0.0-0.5	.28	.28			
	47-66	---	---	15-40	1.40-1.60	0.20-1.98	0.10-0.16	3.0-5.9	0.0-0.5	.28	.28			
	66-84	---	---	5-15	1.40-1.60	0.57-5.95	0.06-0.12	0.0-2.9	0.0-0.5	.24	.24			
41: Uchee-----	0-30	---	---	3-10	1.30-1.70	5.95-19.98	0.05-0.10	0.0-2.9	0.2-3.0	.10	.10	5	2	134
	30-41	---	---	8-30	1.40-1.60	0.57-1.98	0.10-0.15	0.0-2.9	0.0-0.5	.24	.24			
	41-55	---	---	25-50	1.40-1.60	0.20-0.57	0.10-0.16	3.0-5.9	0.0-0.5	.28	.28			
	55-63	---	---	15-40	1.40-1.60	0.20-1.98	0.10-0.16	3.0-5.9	0.0-0.5	.28	.28			
	63-67	---	---	5-15	1.40-1.60	0.57-5.95	0.06-0.12	0.0-2.9	0.0-0.5	.24	.24			

Physical Properties of the Soils, cont.

Lee County, Alabama

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind	Wind
										Kw	Kf	T	erodi- bility group	erodi- bility index
42: Uchee-----	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
	0-33	---	---	3-10	1.30-1.70	5.95-19.98	0.05-0.10	0.0-2.9	0.2-3.0	.10	.10	5	2	134
	33-40	---	---	8-30	1.40-1.60	0.57-1.98	0.10-0.15	0.0-2.9	0.0-0.5	.24	.24			
	40-48	---	---	25-50	1.40-1.60	0.20-0.57	0.10-0.16	3.0-5.9	0.0-0.5	.28	.28			
	48-65	---	---	15-40	1.40-1.60	0.20-1.98	0.10-0.16	3.0-5.9	0.0-0.5	.28	.28			
	65-69	---	---	5-15	1.40-1.60	0.57-5.95	0.06-0.12	0.0-2.9	0.0-0.5	.24	.24			
43: Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	-	---	---