Buchanan County, Iowa
Physical Soil Properties

Print date: 09/24/2015

(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	Saturated hydraulic conductivity	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
41:														
Sparta----------	0-11	70-84- 98	0-10- 29	1- 6- 10	1.40-1.65	10.00-100.00	0.09-0.12	0.0-2.9	1.0-2.0	.24	.24	5	2	134
----------	11-15	70-87- 98	0- 7- 29	1- 6- 10	1.45-1.70	10.00-100.00	0.09-0.12	0.0-2.9	0.5-1.0	.24	.24			
----------	15-72	80-90- 98	0- 6- 19	1- 4- 8	1.40-1.60	10.00-100.00	0.05-0.11	0.0-2.9	0.0-0.5	.28	.28			
----------	72-79	80-93- 99	0- 4- 20	0- 3- 8	1.50-1.70	10.00-100.00	0.04-0.07	0.0-2.9	0.0-0.5	.17	.17			
41B:														
Sparta----------	0-11	70-84- 98	0-10- 29	1- 6- 10	1.40-1.65	10.00-100.00	0.09-0.12	0.0-2.9	1.0-2.0	.24	.24	5	2	134
----------	11-15	70-87- 98	0- 7- 29	1- 6- 10	1.45-1.70	10.00-100.00	0.09-0.12	0.0-2.9	0.5-1.0	.24	.24			
----------	15-72	80-90- 98	0- 6- 19	1- 4- 8	1.40-1.60	10.00-100.00	0.05-0.11	0.0-2.9	0.0-0.5	.28	.28			
----------	72-79	80-93- 99	0- 4- 20	0- 3- 8	1.50-1.70	10.00-100.00	0.04-0.07	0.0-2.9	0.0-0.5	.17	.17			
41C:														
Sparta----------	0-11	70-84- 98	0-10- 29	1- 6- 10	1.40-1.65	10.00-100.00	0.09-0.12	0.0-2.9	1.0-2.0	.24	.24	5	2	134
----------	11-15	70-87- 98	0- 7- 29	1- 6- 10	1.45-1.70	10.00-100.00	0.09-0.12	0.0-2.9	0.5-1.0	.24	.24			
----------	15-72	80-90- 98	0- 6- 19	1- 4- 8	1.40-1.60	10.00-100.00	0.05-0.11	0.0-2.9	0.0-0.5	.28	.28			
----------	72-79	80-93- 99	0- 4- 20	0- 3- 8	1.50-1.70	10.00-100.00	0.04-0.07	0.0-2.9	0.0-0.5	.17	.17			
63B:														
Chelsea----------	0-8	75-85- 98	1-10- 15	1- 5- 10	1.56-1.58	10.00-100.00	0.09-0.13	0.1-0.9	0.5-1.5	.05	.05	5	2	134
----------	8-36	80-92- 98	1- 5- 19	1- 3- 8	1.65-1.72	10.00-100.00	0.08-0.12	0.1-0.7	0.0-0.5	.02	.02			
----------	36-70	80-92- 95	0- 4- 19	1- 4- 10	1.74-1.81	10.00-100.00	0.08-0.12	0.1-0.9	0.0-0.5	.02	.02			
63C:														
Chelsea----------	0-8	75-85- 98	1-10- 15	1- 5- 10	1.56-1.58	10.00-100.00	0.09-0.13	0.1-0.9	0.5-1.5	.05	.05	5	2	134
----------	8-36	80-92- 98	1- 5- 19	1- 3- 8	1.65-1.72	10.00-100.00	0.08-0.12	0.1-0.7	0.0-0.5	.02	.02			
----------	36-70	80-92- 95	0- 4- 19	1- 4- 10	1.74-1.81	10.00-100.00	0.08-0.12	0.1-0.9	0.0-0.5	.02	.02			
83B:														
Kenyon----------	0-9	14-36- 52	29-43- 65	14-21- 27	1.20-1.60	1.00-10.00	0.17-0.21	1.3-2.9	2.0-3.9	.28	.28	5	6	48
----------	9-14	19-33- 48	31-46- 60	14-21- 27	1.20-1.60	1.00-10.00	0.17-0.21	1.3-2.9	2.1-3.4	.37	.37			
----------	14-19	21-32- 40	36-43- 55	20-25- 27	1.40-1.60	1.00-10.00	0.16-0.20	3.0-5.9	1.0-3.0	.37	.37			
----------	19-41	24-45- 58	22-30- 55	20-25- 30	1.65-1.85	0.01-1.00	0.14-0.18	3.0-5.9	0.0-1.0	.32	.32			
----------	41-55	24-45- 58	22-30- 55	20-25- 30	1.65-1.85	0.01-1.00	0.14-0.18	3.0-5.9	0.0-1.0	.32	.32			
----------	55-71	36-44- 50	23-32- 40	18-24- 27	1.75-1.90	0.01-1.00	0.12-0.18	1.2-2.9	0.0-0.5	.37	.37			
----------	71-79	36-44- 50	23-32- 40	18-24- 27	1.75-1.90	0.01-1.00	0.12-0.18	1.2-2.9	0.0-0.5	.37	.37			

Physical Soil Properties

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
83C:														
Kenyon----------	0-9	14-36- 52	29-43- 65	14-21- 27	1.20-1.60	1.00-10.00	0.17-0.21	1.3-2.9	2.0-3.9	.28	.28	5	6	48
----------	9-14	19-33- 48	31-46- 60	14-21- 27	1.20-1.60	1.00-10.00	0.17-0.21	1.3-2.9	2.1-3.4	.37	.37			
----------	14-19	21-32- 40	36-43- 55	20-25- 27	1.40-1.60	1.00-10.00	0.16-0.20	3.0-5.9	1.0-3.0	.37	.37			
----------	19-41	24-45- 58	22-30- 55	20-25- 30	1.65-1.85	0.01-1.00	0.14-0.18	3.0-5.9	0.0-1.0	.32	.32			
----------	41-55	24-45- 58	22-30- 55	20-25- 30	1.65-1.85	0.01-1.00	0.14-0.18	3.0-5.9	0.0-1.0	.32	.32			
----------	55-71	36-44- 50	23-32- 40	18-24- 27	1.75-1.90	0.01-1.00	0.12-0.18	1.2-2.9	0.0-0.5	.37	.37			
----------	71-79	36-44- 50	23-32- 40	18-24- 27	1.75-1.90	0.01-1.00	0.12-0.18	1.2-2.9	0.0-0.5	.37	.37			
83C2:														
Kenyon, eroded-------	0-7	14-36- 52	29-43- 65	14-21- 27	1.20-1.60	1.00-10.00	0.17-0.21	1.3-2.9	1.5-3.4	.32	.32	5	6	48

----------	7-12	21-32- 40	36-43- 55	20-25- 27	1.40-1.60	1.00-10.00	0.16-0.20	3.0-5.9	0.8-2.8	.37	.37				
----------	12-41	24-45- 58	22-30- 55	20-25- 30	1.65-1.85	0.01-1.00	0.14-0.18	3.0-5.9	0.0-1.0	.32	.32				
----------	41-55	24-45- 58	22-30- 55	20-25- 30	1.65-1.85	0.01-1.00	0.14-0.18	3.0-5.9	0.0-1.0	.32	.32				
----------	55-71	36-44- 50	23-32- 40	18-24- 27	1.75-1.90	0.01-1.00	0.12-0.18	1.2-2.9	0.0-0.5	.37	.37				
----------	71-79	36-44- 50	23-32- 40	18-24- 27	1.75-1.90	0.01-1.00	0.12-0.18	1.2-2.9	0.0-0.5	.37	.37				
84:															
Clyde----------	0-17	10-25- 45	15-45- 70	20-30- 40	1.20-1.50	1.00-10.00	0.20-0.24	1.3-2.9	6.0-9.0	.20	.20	5	6	48	
----------	17-23	15-25- 45	20-45- 65	20-30- 35	1.20-1.60	1.00-10.00	0.18-0.22	3.0-5.9	1.0-4.0	.32	.32				
----------	23-28	15-30- 45	20-40- 67	18-30- 35	1.30-1.70	1.00-10.00	0.17-0.21	3.0-5.9	0.5-2.0	.32	.32				
----------	28-41	15-17- 45	20-53- 67	18-30- 35	1.30-1.70	1.00-10.00	0.17-0.21	3.0-5.9	0.5-2.0	.43	.43				
----------	41-44	20-65- 80	0-20- 70	10-15- 30	1.30-1.70	1.00-100.00	0.10-0.14	0.6-2.9	0.5-1.0	.28	.28				
----------	44-62	25-45- 52	28-35- 50	10-20- 27	1.60-1.90	0.01-1.00	0.14-0.18	0.7-2.9	0.0-0.5	.43	.43				
----------	62-79	25-45- 52	28-35- 50	10-20- 27	1.60-1.90	0.01-1.00	0.14-0.18	0.5-2.9	0.0-0.5	.43	.43				
109B:															
Backbone----------	0-8	55-70- 80	2-22- 40	5- 8- 18	1.54-1.64	10.00-100.00	0.13-0.15	0.4-1.9	1.0-2.0	.24	.24	2	3	86	
----------	8-17	55-64- 80	2-26- 40	5-10- 18	1.46-1.62	10.00-100.00	0.09-0.14	0.4-1.9	0.5-1.0	.32	.32				
----------	17-24	55-72- 80	2-16- 33	12-12- 18	1.52-1.60	10.00-100.00	0.12-0.14	1.2-1.9	0.5-1.0	.24	.24				
----------	24-30	20-45- 80	0-16- 48	32-39- 42	1.45-1.66	1.00-10.00	0.08-0.18	3.6-6.6	0.0-0.5	.20	.20				
----------	30-79	--	--	--	---	0.01-10.00	---	---	---	---	---				
110:															
Lamont----------	0-8	50-60- 80	0-31- 45	5- 9- 20	1.48-1.51	10.00-100.00	0.13-0.20	0.4-2.4	0.5-1.5	.28	.28	4	3	86	
----------	8-23	50-69- 80	0-24- 45	5- 7- 20	1.57-1.70	10.00-100.00	0.14-0.20	0.4-2.4	0.0-0.5	.32	.32				
----------	23-39	35-66- 80	0-22- 50	5-12- 24	1.61-1.66	10.00-100.00	0.14-0.21	0.4-3.0	0.0-0.5	.28	.28				
----------	39-53	35-79- 80	0-11- 50	5-10- 24	1.56-1.66	10.00-100.00	0.14-0.21	0.3-2.1	0.0-0.5	.24	.24				
----------	53-79	70-92- 95	0- 3- 28	2- 5- 10	1.73-1.77	10.00-100.00	0.09-0.11	0.1-1.0	0.0-0.5	.02	.02				
110B:															
Lamont----------	0-8	50-60- 80	0-31- 45	5- 9- 20	1.48-1.51	10.00-100.00	0.13-0.20	0.4-2.4	0.5-1.5	.28	.28	4	3	86	
----------	8-23	50-69- 80	0-24- 45	5- 7- 20	1.57-1.70	10.00-100.00	0.14-0.20	0.4-2.4	0.0-0.5	.32	.32				
----------	23-39	35-66- 80	0-22- 50	5-12- 24	1.61-1.66	10.00-100.00	0.14-0.21	0.4-3.0	0.0-0.5	.28	.28				
----------	39-53	35-79- 80	0-11- 50	5-10- 24	1.56-1.66	10.00-100.00	0.14-0.21	0.3-2.1	0.0-0.5	.24	.24				
----------	53-79	70-92- 95	0- 3- 28	2- 5- 10	1.73-1.77	10.00-100.00	0.09-0.11	0.1-1.0	0.0-0.5	.02	.02				

Physical Soil Properties

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
141:														
Watseka----------	0-34	-83-	- 7-	8-11- 13	1.35-1.55	10.00-100.00	0.10-0.12	0.0-2.9	2.0-3.0	.10	.10	5	2	134
----------	34-60	-93-	- 2-	1- 6- 10	1.50-1.70	100.00-705.0 0	0.05-0.10	0.0-2.9	0.0-0.5	.05	.05			
159:														
Finchford----------	0-22	-84-	- 9-	5- 8- 10	1.50-1.55	10.00-100.00	0.10-0.12	0.0-2.9	1.0-2.0	.05	.05	5	2	134
----------	22-35	-79-	-16-	2- 5- 8	1.50-1.60	10.00-100.00	0.04-0.06	0.0-2.9	0.0-1.0	.15	.24			
----------	35-60	-95-	- 2-	2- 4- 5	1.60-1.70	100.00-705.0 0	0.02-0.04	0.0-2.9	0.0-0.5	.05	.05			
159C:														
Finchford----------	0-22	-84-	- 9-	5- 8- 10	1.50-1.55	10.00-100.00	0.10-0.12	0.0-2.9	0.5-1.5	.10	.10	5	2	134
----------	22-35	-79-	-16-	2- 5- 8	1.50-1.60	10.00-100.00	0.04-0.06	0.0-2.9	0.0-1.0	.15	.24			
----------	35-60	-95-	- 2-	2- 4- 5	1.60-1.70	100.00-705.0 0	0.02-0.04	0.0-2.9	0.0-0.5	.05	.05			
171B:														
Bassett----------	0-9	10-35- 50	24-47- 73	15-18- 26	1.36-1.47	1.00-10.00	0.17-0.21	1.0-2.9	1.9-2.9	.32	.32	5	5	56
----------	9-17	10-35- 50	24-45- 69	15-20- 26	1.34-1.51	1.00-10.00	0.16-0.20	1.0-2.9	0.8-1.2	.43	.43			
----------	17-25	30-44- 70	8-32- 50	20-24- 28	1.46-1.68	0.01-1.00	0.14-0.18	1.0-2.9	0.0-0.8	.32	.32			
----------	25-34	30-44- 70	8-32- 50	20-24- 28	1.49-1.68	0.01-1.00	0.14-0.18	1.0-2.9	0.0-0.5	.32	.32			
----------	34-46	30-44- 70	8-32- 50	20-24- 28	1.49-1.68	0.01-1.00	0.14-0.18	1.0-2.9	0.0-0.5	.32	.32			
----------	46-60	30-44- 50	23-34- 49	18-22- 27	1.75-1.90	0.01-1.00	0.12-0.18	1.0-2.9	0.0-0.5	.37	.37			

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
171C2:														
Bassett, eroded------	0-7	10-35- 50	24-47- 73	15-18- 26	1.36-1.47	1.00-10.00	0.16-0.20	0.0-2.9	1.4-2.4	.32	.32	5	5	56
----------	7-15	10-35- 50	24-45- 69	15-20- 26	1.34-1.51	1.00-10.00	0.15-0.19	0.0-2.9	0.6-0.9	.43	.43			
----------	15-23	30-44- 70	8-32- 50	20-24- 28	1.46-1.68	0.01-1.00	0.14-0.18	0.0-2.9	0.0-0.8	.32	.32			
----------	23-32	30-44- 70	8-32- 50	20-24- 28	1.49-1.68	0.01-1.00	0.14-0.18	0.0-2.9	0.0-0.5	.32	.32			
----------	32-44	30-44- 70	8-32- 50	20-24- 28	1.49-1.68	0.01-1.00	0.14-0.18	0.0-2.9	0.0-0.5	.32	.32			
----------	44-60	30-44- 50	23-34- 49	18-22- 27	1.75-1.90	0.01-1.00	0.12-0.18	0.0-2.9	0.0-0.5	.37	.37			
175:														
Dickinson----------	0-8	40-65- 70	12-20- 48	12-15- 18	1.50-1.55	10.00-100.00	0.12-0.15	0.0-0.4	1.5-2.5	.20	.20	3	3	86
----------	8-18	40-66- 70	12-20- 50	10-14- 18	1.45-1.55	10.00-100.00	0.12-0.15	0.0-0.4	0.5-2.5	.24	.24			
----------	18-30	40-66- 70	12-20- 50	10-14- 18	1.45-1.55	10.00-100.00	0.12-0.15	0.0-0.4	0.0-0.5	.28	.28			
----------	30-36	80-84- 95	0- 9- 15	5- 7- 10	1.55-1.65	10.00-100.00	0.08-0.10	0.0-0.0	0.0-0.5	.15	.15			
----------	36-60	80-91- 95	0- 2- 15	5- 7- 10	1.60-1.70	100.00-705.0 0	0.02-0.04	0.0-0.0	0.0-0.5	.10	.10			

Physical Soil Properties

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
175B:														
Dickinson----------	0-8	40-65- 70	12-20- 48	12-15- 18	1.50-1.55	10.00-100.00	0.12-0.15	0.0-0.4	1.5-2.5	.20	.20	3	3	86
----------	8-18	40-66- 70	12-20- 50	10-14- 18	1.45-1.55	10.00-100.00	0.12-0.15	0.0-0.4	0.5-2.5	.24	.24			
----------	18-30	40-66- 70	12-20- 50	10-14- 18	1.45-1.55	10.00-100.00	0.12-0.15	0.0-0.4	0.0-0.5	.28	.28			
----------	30-36	80-84- 95	0- 9- 15	5- 7- 10	1.55-1.65	10.00-100.00	0.08-0.10	0.0-0.0	0.0-0.5	.15	.15			
----------	36-60	80-91- 95	0- 2- 15	5- 7- 10	1.60-1.70	100.00-705.0 0	0.02-0.04	0.0-0.0	0.0-0.5	.10	.10			
177:														
Saude----------	0-7	35-44- 55	21-37- 50	15-19- 24	1.40-1.45	1.00-10.00	0.20-0.22	0.0-2.9	3.0-4.0	.20	.20	3	5	56
----------	7-13	35-44- 55	21-37- 50	15-19- 24	1.40-1.45	1.00-10.00	0.20-0.22	0.0-2.9	2.0-4.0	.20	.20			
----------	13-16	35-46- 55	21-37- 50	15-17- 24	1.40-1.50	1.00-10.00	0.15-0.19	0.0-2.9	1.0-3.0	.28	.28			
----------	16-24	40-50- 70	12-35- 48	12-15- 18	1.40-1.50	1.00-10.00	0.15-0.19	0.0-2.9	0.5-1.0	.32	.32			
----------	24-28	40-55- 70	12-30- 48	12-15- 18	1.40-1.50	10.00-100.00	0.15-0.19	0.0-2.9	0.5-1.0	.28	.28			
----------	28-36	70-80- 98	0-12- 30	0- 8- 15	1.50-1.75	10.00-100.00	0.02-0.06	0.0-2.9	0.0-0.5	.05	.05			
----------	36-79	70-88- 98	0- 7- 30	0- 5- 15	1.50-1.75	100.00-705.0 0	0.02-0.06	0.0-2.9	0.0-0.5	.02	.02			
177B:														
Saude----------	0-7	35-44- 55	21-37- 50	15-19- 24	1.40-1.45	1.00-10.00	0.20-0.22	0.0-2.9	3.0-4.0	.20	.20	3	5	56
----------	7-13	35-44- 55	21-37- 50	15-19- 24	1.40-1.45	1.00-10.00	0.20-0.22	0.0-2.9	2.0-4.0	.20	.20			
----------	13-16	35-46- 55	21-37- 50	15-17- 24	1.40-1.50	1.00-10.00	0.15-0.19	0.0-2.9	1.0-3.0	.28	.28			
----------	16-24	40-50- 70	12-35- 48	12-15- 18	1.40-1.50	1.00-10.00	0.15-0.19	0.0-2.9	0.5-1.0	.32	.32			
----------	24-28	40-55- 70	12-30- 48	12-15- 18	1.40-1.50	10.00-100.00	0.15-0.19	0.0-2.9	0.5-1.0	.28	.28			
----------	28-36	70-80- 98	0-12- 30	0- 8- 15	1.50-1.75	10.00-100.00	0.02-0.06	0.0-2.9	0.0-0.5	.05	.05			
----------	36-79	70-88- 98	0- 7- 30	0- 5- 15	1.50-1.75	100.00-705.0 0	0.02-0.06	0.0-2.9	0.0-0.5	.02	.02			
178:														
Waukee----------	0-8	15-40- 50	28-39- 61	18-21- 24	1.25-1.41	1.00-10.00	0.20-0.22	0.0-2.9	3.0-4.0	.28	.28	3	6	48
----------	8-18	15-40- 50	28-39- 61	18-21- 24	1.36-1.42	1.00-10.00	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32			
----------	18-24	30-42- 60	16-36- 52	18-22- 27	1.31-1.48	1.00-10.00	0.15-0.19	0.0-2.9	0.5-2.0	.32	.32			
----------	24-33	30-42- 60	16-36- 52	18-22- 27	1.31-1.48	1.00-10.00	0.15-0.19	0.0-2.9	0.5-2.0	.32	.32			
----------	33-48	70-84- 98	0-11- 30	0- 5- 15	1.59-1.70	10.00-100.00	0.02-0.06	0.0-2.9	0.0-0.5	.10	.10			
----------	48-79	70-94- 98	0- 1- 22	0- 5- 15	1.57-1.69	100.00-705.0 0	0.02-0.06	0.0-1.4	0.0-0.5	.02	.02			
184:														
Klinger----------	0-13	- 7-	-64-	27-29- 30	1.30-1.35	1.00-10.00	0.22-0.24	3.0-5.9	5.0-6.0	.32	.32	5	6	48
----------	13-25	- 7-	-62-	28-32- 35	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
----------	25-60	-33-	-43-	20-24- 28	1.65-1.75	1.00-10.00	0.17-0.19	0.0-2.9	0.0-0.5	.49	.49			

Physical Soil Properties

										Erosion factors			Wind	Wind

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
198B:														
Floyd----------	0-16	15-30- 50	27-47- 60	18-23- 30	1.20-1.60	1.00-10.00	0.19-0.23	3.0-5.9	3.0-5.0	.20	.20	5	6	48
----------	16-24	15-30- 50	27-47- 60	18-23- 30	1.25-1.60	1.00-10.00	0.18-0.22	3.0-5.9	2.0-4.0	.28	.28			
----------	24-33	30-55- 75	20-24- 50	18-21- 30	1.30-1.65	1.00-10.00	0.17-0.21	1.2-2.9	1.0-2.0	.28	.28			
----------	33-41	40-70- 85	10-15- 40	10-15- 25	1.30-1.65	1.00-100.00	0.11-0.15	0.8-2.9	0.5-1.0	.24	.24			
----------	41-50	30-45- 70	12-32- 45	18-23- 28	1.60-1.90	0.01-1.00	0.14-0.18	1.0-2.9	0.0-1.0	.32	.32			
----------	50-79	35-44- 50	23-34- 45	18-22- 27	1.60-1.90	0.01-1.00	0.14-0.18	0.8-2.9	0.0-0.5	.37	.37			
205B:														
Whalan, 30 to 40 inches to bedrock---	0-4	15-29- 50	30-50- 60	18-21- 25	1.30-1.45	1.00-10.00	0.22-0.24	1.9-3.4	2.0-3.0	.37	.37	2	6	48
----------	4-9	20-38- 50	30-38- 50	18-24- 35	1.40-1.55	1.00-10.00	0.17-0.19	1.8-5.3	1.0-2.0	.37	.37			
----------	9-12	20-38- 50	30-38- 50	18-24- 35	1.40-1.55	1.00-10.00	0.17-0.19	1.8-5.3	0.8-1.3	.37	.37			
----------	12-19	20-38- 50	30-34- 45	18-28- 35	1.40-1.55	1.00-10.00	0.17-0.19	1.8-5.2	0.5-1.0	.37	.37			
----------	19-31	20-38- 50	30-34- 45	18-28- 35	1.40-1.55	1.00-10.00	0.17-0.19	1.7-5.2	0.3-0.8	.37	.37			
----------	31-36	0-23- 45	20-29- 40	35-48- 60	1.35-1.45	0.01-0.10	0.15-0.19	3.2-10.8	0.0-0.5	.28	.28			
----------	36-79	--	--	--	---	0.00-100.00	---	---	---	---	---			
207B:														
Whalan, 20 to 30 inches to bedrock---	0-4	15-29- 50	30-50- 60	18-21- 25	1.30-1.45	1.00-10.00	0.22-0.24	1.9-3.4	2.0-3.0	.37	.37	2	6	48
----------	4-9	20-38- 50	30-38- 50	18-24- 35	1.40-1.55	1.00-10.00	0.17-0.19	1.8-5.3	1.0-2.0	.43	.43			
----------	9-12	20-38- 50	30-38- 50	18-24- 35	1.40-1.55	1.00-10.00	0.17-0.19	1.8-5.3	0.8-1.3	.43	.43			
----------	12-17	20-38- 50	30-34- 45	18-28- 35	1.40-1.55	1.00-10.00	0.17-0.19	1.8-5.2	0.5-1.0	.37	.37			
----------	17-22	20-38- 50	30-34- 45	18-28- 35	1.40-1.55	1.00-10.00	0.17-0.19	1.7-5.2	0.3-0.8	.37	.37			
----------	22-24	0-23- 45	20-29- 40	35-48- 60	1.35-1.45	0.01-0.10	0.15-0.19	3.1-9.9	0.0-0.5	.28	.28			
----------	24-79	--	--	--	---	0.00-100.00	---	---	---	---	---			
213B:														
Rockton, 30 to 40 inches to bedrock---	0-18	-40-	-38-	18-23- 27	1.30-1.40	1.00-10.00	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	2	6	48
----------	18-34	-38-	-36-	25-26- 35	1.40-1.55	1.00-10.00	0.17-0.19	3.0-5.9	0.5-1.0	.32	.32			
----------	34-38	--	--	--	---	10.00-100.00	---	---	---	---	---			
214:														
Rockton, 20 to 30 inches to bedrock---	0-16	-40-	-38-	18-23- 27	1.30-1.40	1.00-10.00	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	2	6	48
----------	16-24	-38-	-36-	25-26- 35	1.40-1.55	1.00-10.00	0.17-0.19	3.0-5.9	0.5-1.0	.32	.32			
----------	24-38	--	--	--	---	10.00-100.00	---	---	---	---	---			
221:														
Palms----------	0-10	-19-	-53-	25-28- 30	0.25-0.45	1.00-100.00	0.35-0.45	---	20-50	---	---	1	2	134
----------	10-45	-19-	-53-	25-28- 30	0.15-0.30	1.00-100.00	0.35-0.45	---	20-50	---	---			
----------	45-60	-26-	-53-	7-21- 35	1.45-1.75	1.00-10.00	0.14-0.22	0.0-2.9	0.0-20	.20	.32			

Physical Soil Properties

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
241B:														
Burkhardt----------	0-13	-67-	-24-	5- 9- 13	1.35-1.55	10.00-100.00	0.11-0.15	0.0-2.9	1.5-2.5	.20	.20	2	3	86
----------	13-18	-67-	-20-	8-13- 18	1.55-1.65	10.00-100.00	0.10-0.19	0.0-2.9	0.5-1.0	.24	.24			
----------	18-60	-90-	- 6-	1- 4- 6	1.50-1.80	100.00-705.0 0	0.02-0.04	0.0-2.9	0.0-0.5	.05	.10			
Saude----------	0-14	-42-	-37-	18-21- 24	1.40-1.45	1.00-10.00	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	3	6	48
----------	14-33	-44-	-41-	12-15- 18	1.40-1.50	1.00-10.00	0.15-0.19	0.0-2.9	1.0-2.0	.24	.37			
----------	33-60	-94-	- 1-	2- 5- 8	1.50-1.75	100.00-705.0 0	0.02-0.06	0.0-2.9	0.0-0.5	.02	.05			

284:															
Flagler----------	0-19	-66-	-19-	12-15- 18	1.50-1.55	10.00-100.00	0.12-0.14	0.0-2.9	2.0-3.0	.15	.15	3	3	86
----------	19-25	-68-	-20-	10-13- 15	1.55-1.60	10.00-100.00	0.11-0.13	0.0-2.9	0.0-1.0	.24	.24			
----------	25-60	-94-	- 1-	2- 5- 8	1.60-1.75	100.00-705.0 0	0.02-0.04	0.0-2.9	0.0-0.5	.05	.05			
284B:														
Flagler----------	0-11	-66-	-19-	12-15- 18	1.50-1.55	10.00-100.00	0.12-0.14	0.0-2.9	1.5-2.5	.17	.17	3	3	86
----------	11-21	-68-	-20-	10-13- 15	1.55-1.60	10.00-100.00	0.11-0.13	0.0-2.9	0.0-1.0	.24	.24			
----------	21-60	-94-	- 1-	2- 5- 8	1.60-1.75	100.00-705.0 0	0.02-0.04	0.0-2.9	0.0-0.5	.05	.05			
290:														
Dells----------	0-12	-14-	-70-	14-16- 18	1.35-1.55	1.00-10.00	0.22-0.24	0.0-2.9	3.0-4.0	.37	.37	3	5	56
----------	12-27	- 9-	-65-	20-26- 32	1.55-1.65	1.00-10.00	0.18-0.22	3.0-5.9	0.0-0.5	.49	.49			
----------	27-34	-41-	-42-	10-18- 25	1.55-1.65	1.00-10.00	0.12-0.19	0.0-2.9	0.0-0.5	.55	.55			
----------	34-60	-79-	-16-	2- 5- 8	1.55-1.70	10.00-100.00	0.05-0.10	0.0-2.9	0.0-0.5	.24	.24			
354:														
Aquolls----------	---	--	--	--	---	---	---	---	---	---	---	5	---	---
377B:														
Dinsdale----------	0-7	2- 8- 15	55-67- 74	24-25- 32	1.25-1.30	1.00-10.00	0.21-0.23	3.2-4.8	3.0-4.0	.37	.37	5	6	48
----------	7-12	2- 7- 15	53-62- 73	24-31- 32	1.25-1.30	1.00-10.00	0.21-0.23	3.2-4.8	2.0-3.0	.32	.32			
----------	12-19	2- 7- 15	53-62- 73	24-31- 32	1.30-1.35	1.00-10.00	0.18-0.20	3.1-4.7	1.0-2.0	.43	.43			
----------	19-28	2- 9- 15	50-60- 71	27-31- 35	1.30-1.35	1.00-10.00	0.18-0.20	3.6-5.3	0.5-2.0	.43	.43			
----------	28-34	2- 9- 15	50-60- 71	27-31- 35	1.30-1.35	1.00-10.00	0.18-0.20	3.2-5.3	0.5-2.0	.43	.43			
----------	34-46	30-45- 70	7-32- 50	20-23- 30	1.65-1.75	1.00-10.00	0.17-0.19	1.8-4.0	0.0-0.5	.32	.32			
----------	46-58	35-45- 50	23-30- 41	24-25- 27	1.65-1.75	1.00-10.00	0.17-0.19	2.0-3.5	0.0-0.5	.28	.28			
----------	58-80	35-45- 50	23-30- 41	24-25- 27	1.65-1.75	1.00-10.00	0.17-0.19	2.0-3.5	0.0-0.5	.28	.28			
382:														
Maxfield----------	0-18	- 7-	-62-	27-31- 35	1.35-1.40	1.00-10.00	0.21-0.23	6.0-8.9	6.0-8.0	.32	.32	5	6	48
----------	18-30	- 7-	-64-	25-30- 34	1.40-1.50	1.00-10.00	0.18-0.20	6.0-8.9	0.0-1.0	.43	.43			
----------	30-60	-33-	-44-	20-23- 26	1.65-1.75	1.00-10.00	0.17-0.19	0.0-2.9	0.0-1.0	.49	.49			

Physical Soil Properties

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
391B:														
Clyde----------	0-17	10-18- 45	15-52- 70	20-30- 40	1.20-1.50	1.00-10.00	0.20-0.24	1.3-2.9	6.0-9.0	.24	.24	5	6	48
----------	17-23	15-18- 45	20-52- 65	20-30- 35	1.20-1.60	1.00-10.00	0.18-0.22	3.0-5.9	1.0-4.0	.37	.37			
----------	23-28	15-30- 45	20-40- 67	18-30- 35	1.30-1.70	1.00-10.00	0.17-0.21	3.0-5.9	0.5-2.0	.32	.32			
----------	28-41	15-17- 45	20-53- 67	18-30- 35	1.30-1.70	1.00-10.00	0.17-0.21	3.0-5.9	0.5-2.0	.43	.43			
----------	41-44	20-65- 80	0-20- 70	10-15- 30	1.30-1.70	1.00-100.00	0.10-0.14	0.6-2.9	0.5-1.0	.28	.28			
----------	44-62	25-45- 52	28-35- 50	10-20- 27	1.60-1.90	0.01-1.00	0.14-0.18	0.7-2.9	0.0-0.5	.43	.43			
----------	62-79	25-45- 52	28-35- 50	10-20- 27	1.60-1.90	0.01-1.00	0.14-0.18	0.5-2.9	0.0-0.5	.43	.43			
Floyd----------	0-16	15-30- 50	27-47- 60	18-23- 30	1.20-1.60	1.00-10.00	0.19-0.23	3.0-5.9	3.0-5.0	.20	.20	5	6	48
----------	16-24	15-30- 50	27-47- 60	18-23- 30	1.25-1.60	1.00-10.00	0.18-0.22	3.0-5.9	2.0-4.0	.28	.28			
----------	24-33	30-55- 75	7-24- 50	18-21- 30	1.30-1.65	1.00-10.00	0.17-0.21	1.2-2.9	1.0-2.0	.28	.28			
----------	33-41	40-70- 85	5-15- 40	10-15- 25	1.30-1.65	1.00-100.00	0.11-0.15	0.8-2.9	0.5-1.0	.24	.24			
----------	41-50	30-45- 70	12-32- 45	18-23- 28	1.60-1.90	0.01-1.00	0.14-0.18	1.0-2.9	0.0-1.0	.32	.32			
----------	50-79	35-44- 50	23-34- 45	18-22- 27	1.60-1.90	0.01-1.00	0.14-0.18	0.8-2.9	0.0-0.5	.37	.37			
398:														
Tripoli----------	0-9	15-34- 40	28-36- 60	25-30- 32	1.25-1.45	1.00-10.00	0.20-0.24	0.0-2.9	6.0-7.0	.17	.17	5	6	48
----------	9-14	15-34- 40	28-36- 60	25-30- 32	1.25-1.45	1.00-10.00	0.20-0.24	3.0-5.9	4.0-6.0	.20	.20			
----------	14-18	15-34- 40	28-36- 60	25-30- 32	1.25-1.45	1.00-10.00	0.20-0.24	3.0-5.9	3.0-5.0	.20	.20			
----------	18-23	20-36- 40	32-37- 58	22-27- 28	1.45-1.70	1.00-10.00	0.19-0.23	3.0-5.9	2.0-4.0	.28	.28			
----------	23-29	30-39- 50	23-36- 48	22-25- 28	1.75-1.90	0.01-1.00	0.15-0.19	3.0-5.9	1.0-2.0	.32	.32			
----------	29-38	30-39- 50	23-36- 48	22-25- 28	1.75-1.90	0.01-1.00	0.14-0.18	3.0-5.9	0.0-1.0	.37	.37			
----------	38-79	35-44- 55	20-34- 47	18-22- 27	1.75-1.90	0.01-1.00	0.14-0.18	0.0-2.9	0.0-0.5	.37	.37			

399:														
Readlyn----------	0-9	20-35- 40	30-42- 60	20-23- 30	1.25-1.45	1.00-10.00	0.19-0.23	3.0-5.9	4.5-5.5	.20	.20	5	6	48
----------	9-15	20-35- 40	30-42- 60	20-23- 30	1.25-1.45	1.00-10.00	0.18-0.22	3.0-5.9	3.0-4.0	.24	.24			
----------	15-19	20-35- 40	30-42- 60	20-23- 30	1.30-1.50	1.00-10.00	0.17-0.21	3.0-5.9	2.3-3.3	.32	.32			
----------	19-24	20-32- 40	30-43- 60	20-25- 30	1.45-1.70	1.00-10.00	0.16-0.20	3.0-5.9	1.5-2.5	.37	.37			
----------	24-35	30-42- 50	18-31- 48	22-27- 32	1.75-1.90	0.01-1.00	0.15-0.19	3.0-5.9	0.5-1.5	.32	.32			
----------	35-46	30-42- 50	18-31- 48	22-27- 32	1.75-1.90	0.01-1.00	0.14-0.18	3.0-5.9	0.3-0.8	.32	.32			
----------	46-60	35-44- 50	23-34- 47	18-22- 27	1.75-1.90	0.01-1.00	0.13-0.17	0.0-2.9	0.0-0.5	.37	.37			
----------	60-79	35-44- 50	23-34- 47	18-22- 27	1.75-1.90	0.01-1.00	0.13-0.17	0.0-2.9	0.0-0.5	.37	.37			
407B:														
Schley----------	0-13	-42-	-38-	18-20- 22	1.40-1.45	1.00-10.00	0.19-0.21	3.0-5.9	2.5-3.5	.28	.28	5	6	48
----------	13-34	-41-	-37-	15-22- 28	1.45-1.65	1.00-10.00	0.12-0.16	0.0-2.9	0.5-1.0	.37	.37			
----------	34-60	-39-	-37-	20-24- 28	1.65-1.80	1.00-10.00	0.16-0.18	0.0-2.9	0.0-0.5	.37	.37			
408B:														
Olin----------	0-21	-65-	-20-	12-15- 18	1.45-1.50	10.00-100.00	0.13-0.15	0.0-2.9	1.5-2.5	.17	.17	5	3	86
----------	21-29	-65-	-20-	12-15- 18	1.45-1.50	10.00-100.00	0.13-0.15	0.0-2.9	0.5-1.0	.28	.28			
----------	29-45	-39-	-37-	20-24- 28	1.50-1.70	1.00-10.00	0.17-0.19	0.0-2.9	0.0-1.0	.37	.37			
----------	45-60	-39-	-37-	20-24- 28	1.65-1.75	1.00-10.00	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			

Physical Soil Properties

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
408C:														
Olin----------	0-21	-65-	-20-	12-15- 18	1.45-1.50	10.00-100.00	0.13-0.15	0.0-2.9	1.5-2.5	.17	.17	5	3	86
----------	21-29	-65-	-20-	12-15- 18	1.45-1.50	10.00-100.00	0.13-0.15	0.0-2.9	0.5-1.0	.28	.28			
----------	29-45	-39-	-37-	20-24- 28	1.50-1.70	1.00-10.00	0.17-0.19	0.0-2.9	0.0-1.0	.37	.37			
----------	45-60	-39-	-37-	20-24- 28	1.65-1.75	1.00-10.00	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
412C:														
Sogn----------	0-12	2-43- 45	20-33- 78	20-24- 35	1.15-1.20	1.00-10.00	0.17-0.22	2.1-5.4	2.5-3.5	.20	.20	1	4L	86
----------	12-80	--	--	--	---	0.01-4.23	---	---	---	---	---			
471:														
Oran----------	0-16	-42-	-38-	16-20- 24	1.40-1.45	1.00-10.00	0.18-0.20	0.0-2.9	3.0-4.0	.28	.28	5	6	48
----------	16-39	-39-	-37-	22-25- 28	1.45-1.70	1.00-10.00	0.17-0.19	0.0-2.9	1.0-2.0	.32	.32			
----------	39-60	-40-	-38-	20-23- 26	1.65-1.75	1.00-10.00	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
485:														
Spillville, occasionally flooded	0-40	-41-	-37-	18-22- 26	1.45-1.55	1.00-10.00	0.19-0.21	3.0-5.9	4.0-5.0	.24	.24	5	6	48
----------	40-60	-66-	-15-	14-19- 24	1.55-1.70	10.00-100.00	0.15-0.18	0.0-2.9	2.0-3.0	.15	.15			
499B:														
Nordness----------	0-12	-42-	-37-	18-21- 24	1.30-1.35	1.00-10.00	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	1	6	48
----------	12-16	- 8-	-50-	25-42- 50	1.35-1.45	0.10-1.00	0.20-0.22	3.0-5.9	0.5-1.0	.32	.32			
----------	16-60	--	--	--	---	10.00-100.00	---	---	---	---	---			
499D:														
Nordness----------	0-12	-42-	-37-	18-21- 24	1.30-1.35	1.00-10.00	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	1	6	48
----------	12-16	- 8-	-50-	25-42- 50	1.35-1.45	0.10-1.00	0.20-0.22	3.0-5.9	0.5-1.0	.32	.32			
----------	16-60	--	--	--	---	10.00-100.00	---	---	---	---	---			
499F:														
Nordness----------	0-12	-42-	-37-	18-21- 24	1.30-1.35	1.00-10.00	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	1	6	48
----------	12-16	- 8-	-50-	25-42- 50	1.35-1.45	0.10-1.00	0.20-0.22	3.0-5.9	0.5-1.0	.32	.32			
----------	16-60	--	--	--	---	10.00-100.00	---	---	---	---	---			
585:														
Spillville, occasionally flooded	0-40	-41-	-37-	18-22- 26	1.45-1.55	1.00-10.00	0.19-0.21	3.0-5.9	4.0-6.0	.24	.24	5	6	48
----------	40-60	-66-	-15-	14-19- 24	1.55-1.70	10.00-100.00	0.15-0.18	0.0-2.9	2.0-3.0	.15	.15			

Coland, occasionally flooded----------	0-10	-35-	-34-	27-31- 35	1.40-1.50	1.00-10.00	0.20-0.22	3.0-5.9	5.0-7.0	.24	.24	5	6	48
----------	10-48	-35-	-34-	27-31- 35	1.40-1.50	1.00-10.00	0.20-0.22	3.0-5.9	3.0-5.0	.24	.24			
----------	48-60	-34-	-38-	12-28- 30	1.50-1.65	1.00-10.00	0.13-0.17	0.0-2.9	0.0-2.0	.32	.32			

Physical Soil Properties

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
626:														
Hayfield, rarely flooded----------	0-8	15-30- 45	40-49- 65	18-21- 24	1.45-1.65	1.00-10.00	0.20-0.24	0.0-2.9	3.0-4.0	.28	.28	3	6	48
----------	8-13	15-30- 45	40-49- 65	18-21- 24	1.45-1.65	1.00-10.00	0.20-0.24	0.0-2.9	0.5-1.0	.43	.43			
----------	13-29	15-39- 60	25-37- 57	18-24- 30	1.45-1.65	1.00-10.00	0.17-0.22	3.0-5.9	0.0-1.0	.37	.37			
----------	29-80	65-89- 95	0- 7- 20	0- 4- 8	1.55-1.85	100.00-705.0 0	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
663B:														
Seaton----------	0-6	-14-	-70-	10-16- 22	1.10-1.45	1.00-10.00	0.22-0.24	0.0-2.9	2.0-3.0	.43	.43	5	5	56
----------	6-60	-10-	-68-	18-23- 27	1.20-1.60	1.00-10.00	0.20-0.22	0.0-2.9	0.5-1.0	.49	.49			
663C2:														
Seaton, moderately eroded----------	0-6	-12-	-70-	15-19- 22	1.10-1.20	1.00-10.00	0.22-0.24	0.0-2.9	1.5-2.5	.49	.49	5	5	56
----------	6-60	-10-	-68-	18-23- 27	1.15-1.30	1.00-10.00	0.20-0.22	0.0-2.9	0.5-1.0	.49	.49			
663F:														
Seaton----------	0-6	-14-	-70-	10-16- 22	1.10-1.45	1.00-10.00	0.22-0.24	0.0-2.9	2.0-3.0	.43	.43	5	5	56
----------	6-60	-10-	-68-	18-23- 27	1.20-1.60	1.00-10.00	0.20-0.22	0.0-2.9	0.5-1.0	.49	.49			
761:														
Franklin----------	0-6	2- 7- 10	65-71- 83	15-22- 25	1.30-1.35	1.00-10.00	0.22-0.24	0.0-2.9	3.0-4.0	.37	.37	5	6	48
----------	6-13	2- 7- 10	65-71- 83	15-22- 30	1.30-1.35	1.00-10.00	0.22-0.24	0.0-2.9	0.5-1.0	.49	.49			
----------	13-18	2-10- 20	45-58- 80	18-32- 35	1.35-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
----------	18-28	2-10- 20	45-58- 80	18-32- 35	1.35-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
----------	28-37	35-40- 50	30-36- 45	20-24- 35	1.65-1.75	1.00-10.00	0.17-0.19	3.0-5.9	0.0-0.5	.49	.49			
----------	37-46	35-40- 50	30-36- 45	20-24- 35	1.65-1.75	1.00-10.00	0.17-0.19	3.0-5.9	0.0-0.5	.49	.49			
----------	46-68	35-44- 50	23-32- 47	18-24- 27	1.65-1.75	1.00-10.00	0.17-0.19	3.0-5.9	0.0-0.5	.49	.49			
----------	68-80	35-44- 50	23-32- 47	18-24- 27	1.65-1.75	1.00-10.00	0.17-0.19	3.0-5.9	0.0-0.5	.49	.49			
776:														
Lilah----------	0-6	55-67- 75	12-24- 40	5- 9- 13	1.50-1.55	10.00-100.00	0.11-0.13	0.0-0.0	1.0-2.0	.24	.24	2	3	86
----------	6-15	55-68- 75	10-20- 35	10-12- 15	1.55-1.65	10.00-100.00	0.10-0.12	0.0-0.0	0.0-0.5	.10	.24			
----------	15-28	75-85- 98	0- 9- 23	2- 6- 10	1.55-1.80	10.00-100.00	0.02-0.04	0.0-0.0	0.0-0.5	.05	.20			
----------	28-39	75-92- 98	0- 2- 23	2- 6- 10	1.55-1.80	100.00-705.0 0	0.02-0.04	0.0-0.0	0.0-0.5	.10	.10			
----------	39-80	75-86- 98	0-10- 23	2- 4- 6	1.55-1.80	10.00-100.00	0.02-0.04	0.0-0.0	0.0-0.5	.20	.20			
776C:														
Lilah----------	0-6	55-67- 75	12-24- 40	5- 9- 13	1.50-1.55	10.00-100.00	0.11-0.13	0.0-0.0	1.0-2.0	.24	.24	2	3	86
----------	6-15	55-68- 75	10-20- 35	10-12- 15	1.55-1.65	10.00-100.00	0.10-0.12	0.0-0.0	0.0-0.5	.10	.24			
----------	15-28	75-85- 98	0- 9- 23	2- 6- 10	1.55-1.80	10.00-100.00	0.02-0.04	0.0-0.0	0.0-0.5	.05	.20			
----------	28-39	75-92- 98	0- 2- 23	2- 6- 10	1.55-1.80	100.00-705.0 0	0.02-0.04	0.0-0.0	0.0-0.5	.10	.10			
----------	39-80	75-86- 98	0-10- 23	2- 4- 6	1.55-1.80	10.00-100.00	0.02-0.04	0.0-0.0	0.0-0.5	.20	.20			

Physical Soil Properties

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					

777:														
Wapsie----------	0-10	-44-	-41-	12-15- 18	1.40-1.45	1.00-10.00	0.18-0.20	0.0-2.9	3.0-4.0	.28	.28	3	5	56
----------	10-27	-44-	-41-	12-15- 18	1.45-1.50	1.00-10.00	0.15-0.17	0.0-2.9	0.0-1.0	.43	.43			
----------	27-60	-90-	- 4-	2- 6- 10	1.50-1.75	100.00-705.0 0	0.02-0.06	0.0-2.9	0.0-0.5	.02	.02			
782B:														
Donnan----------	0-8	20-32- 35	39-45- 62	18-23- 26	1.50-1.55	1.00-10.00	0.20-0.22	3.0-5.9	2.5-3.5	.28	.28	4	6	48
----------	8-13	25-32- 35	39-45- 55	20-23- 26	1.50-1.55	1.00-10.00	0.20-0.22	3.0-5.9	0.5-1.0	.43	.43			
----------	13-18	25-32- 35	39-45- 55	20-23- 26	1.50-1.55	1.00-10.00	0.20-0.22	3.0-5.9	0.5-1.0	.43	.43			
----------	18-24	15-25- 35	35-47- 65	20-28- 30	1.45-1.70	1.00-10.00	0.17-0.19	0.0-2.9	0.0-0.5	.43	.43			
----------	24-34	2- 5- 35	10-46- 56	42-49- 55	1.65-1.80	0.01-0.10	0.11-0.14	3.0-5.9	0.0-0.5	.32	.32			
----------	34-48	2- 5- 35	10-46- 56	42-49- 55	1.65-1.80	0.01-0.10	0.11-0.14	3.0-5.9	0.0-0.5	.32	.32			
----------	48-57	35-44- 50	23-34- 47	18-22- 27	1.50-1.70	1.00-10.00	0.17-0.19	3.0-5.9	0.0-0.5	.37	.37			
----------	57-60	35-44- 50	23-34- 47	18-22- 27	1.50-1.70	1.00-10.00	0.17-0.19	3.0-5.9	0.0-0.5	.37	.37			
798B:														
Protivin----------	0-8	20-30- 35	38-45- 60	20-25- 30	1.05-1.25	1.00-10.00	0.18-0.20	0.0-2.9	6.0-7.0	.20	.20	5	6	48
----------	8-11	20-30- 35	38-45- 60	20-25- 30	1.05-1.35	1.00-10.00	0.18-0.20	0.0-2.9	4.0-7.0	.24	.24			
----------	11-15	20-30- 35	38-45- 60	20-25- 30	1.05-1.35	1.00-10.00	0.18-0.20	0.0-2.9	4.0-7.0	.32	.32			
----------	15-19	20-30- 35	38-45- 60	20-25- 30	1.10-1.50	1.00-10.00	0.17-0.19	0.0-2.9	2.0-6.0	.32	.32			
----------	19-23	15-30- 35	38-45- 60	20-25- 30	1.30-1.60	1.00-10.00	0.17-0.19	3.0-5.9	1.0-2.0	.37	.37			
----------	23-34	30-33- 45	22-36- 42	28-31- 35	1.40-1.70	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
----------	34-40	30-33- 45	22-36- 42	28-31- 35	1.40-1.70	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
----------	40-45	30-33- 45	22-36- 42	28-31- 35	1.40-1.70	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
----------	45-60	30-33- 45	22-36- 42	28-31- 35	1.40-1.70	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
807B:														
Schley variant-------	0-8	-65-	-19-	12-16- 20	1.40-1.45	10.00-100.00	0.12-0.15	0.0-2.9	1.0-2.0	.17	.17	5	3	86
----------	8-37	-67-	-23-	8-10- 12	1.45-1.55	10.00-100.00	0.08-0.15	0.0-2.9	0.5-1.0	.28	.28			
----------	37-50	-94-	- 1-	2- 5- 8	1.55-1.70	100.00-705.0 0	0.06-0.08	0.0-2.9	0.0-0.5	.15	.15			
----------	50-60	-42-	-37-	18-21- 24	1.70-1.80	1.00-10.00	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
809B:														
Bertram----------	0-8	60-69- 80	0-22- 38	2- 9- 20	1.30-1.55	10.00-100.00	0.13-0.18	0.0-2.9	1.5-2.5	.10	.10	2	3	86
----------	8-17	60-70- 80	0-19- 38	2-11- 20	1.30-1.60	10.00-100.00	0.12-0.17	0.0-2.9	1.0-2.5	.17	.17			
----------	17-27	60-72- 80	0-18- 38	2-10- 20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-2.9	0.5-1.0	.28	.28			
----------	27-30	60-74- 80	0-14- 38	2-12- 20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-2.9	0.5-1.0	.28	.28			
----------	30-34	40-58- 70	0-15- 40	20-27- 35	1.40-1.70	1.00-10.00	0.13-0.18	3.0-5.9	0.0-0.5	.24	.24			
----------	34-36	55-80- 95	5-15- 25	0- 5- 10	1.50-1.75	100.00-705.0 0	0.06-0.11	0.0-2.9	0.0-0.5	.10	.15			
----------	36-79	--	--	--	---	---	---	---	---	---	---			

Physical Soil Properties

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
813:														
Atkinson----------	0-7	20-42- 45	28-37- 58	10-21- 27	1.40-1.45	1.00-10.00	0.20-0.22	1.0-3.8	3.0-4.0	.24	.24	3	6	48
----------	7-13	20-42- 45	28-37- 58	10-21- 27	1.40-1.45	1.00-10.00	0.20-0.22	1.0-3.8	2.0-4.0	.24	.24			
----------	13-19	20-38- 45	28-36- 57	10-26- 27	1.45-1.70	1.00-10.00	0.17-0.19	0.9-3.8	1.0-3.0	.32	.32			
----------	19-24	25-38- 55	17-36- 51	24-26- 32	1.45-1.70	1.00-10.00	0.17-0.19	2.8-4.6	1.0-2.0	.32	.32			
----------	24-45	25-38- 55	13-32- 51	24-30- 32	1.45-1.70	1.00-10.00	0.17-0.19	2.8-4.6	1.0-2.0	.28	.28			
----------	45-50	15-26- 35	2-29- 45	40-45- 75	1.50-1.60	0.01-1.00	0.12-0.15	4.9-14.3	0.0-0.5	.28	.28			
----------	50-80	--	--	--	---	0.01-10.00	---	---	---	---	---			
883B:														
Cresco----------	0-8	20-30- 35	35-45- 60	20-25- 30	1.45-1.50	1.00-10.00	0.20-0.22	3.0-5.9	3.5-4.5	.20	.20	5	6	48
----------	8-13	20-30- 35	35-45- 60	20-25- 30	1.45-1.50	1.00-10.00	0.20-0.22	3.0-5.9	3.5-4.5	.24	.24			
----------	13-17	20-30- 35	35-45- 60	20-25- 30	1.50-1.60	1.00-10.00	0.15-0.17	0.0-2.9	1.0-2.0	.37	.37			
----------	17-25	35-45- 55	15-30- 45	20-25- 30	1.50-1.60	1.00-10.00	0.15-0.17	0.0-2.9	1.0-2.0	.32	.32			
----------	25-40	30-35- 45	20-34- 42	28-31- 35	1.55-1.65	1.00-10.00	0.17-0.19	0.0-2.9	0.0-1.0	.32	.32			
----------	40-47	30-35- 45	20-34- 42	28-31- 35	1.55-1.65	1.00-10.00	0.17-0.19	3.0-5.9	0.0-0.5	.32	.32			

----------	47-60	30-35- 45	20-34- 42	28-31- 35	1.55-1.65	1.00-10.00	0.17-0.19	3.0-5.9	0.0-0.5	.32	.32			
1152:														
Marshan, rarely flooded----------	0-8	15-21- 40	25-51- 67	18-28- 35	1.30-1.40	1.00-10.00	0.20-0.22	0.0-2.9	5.0-6.0	.20	.20	3	6	48
----------	8-14	15-18- 40	25-54- 67	18-28- 35	1.30-1.40	1.00-10.00	0.20-0.22	3.0-5.9	2.0-5.0	.32	.32			
----------	14-18	15-18- 40	25-54- 67	18-28- 35	1.40-1.55	1.00-10.00	0.17-0.22	3.0-5.9	1.0-3.0	.37	.37			
----------	18-23	15-18- 40	25-54- 67	18-28- 35	1.40-1.55	1.00-10.00	0.17-0.22	3.0-5.9	0.5-1.0	.43	.43			
----------	23-30	30-39- 60	10-37- 52	18-24- 30	1.45-1.55	1.00-10.00	0.17-0.22	0.0-2.9	0.5-1.0	.32	.32			
----------	30-40	75-93- 98	0- 2- 15	0- 5- 10	1.55-1.65	100.00-705.00	0.02-0.05	0.0-2.9	0.0-0.5	.02	.02			
----------	40-79	75-93- 98	0- 2- 15	0- 5- 10	1.55-1.65	100.00-705.00	0.02-0.05	0.0-2.9	0.0-0.5	.02	.02			
1226:														
Lawler, rarely flooded----------	0-9	10-30- 50	20-48- 72	18-22- 30	1.31-1.45	1.00-10.00	0.20-0.22	0.0-2.9	4.0-5.0	.32	.32	3	6	48
----------	9-16	10-30- 50	20-48- 72	18-22- 30	1.21-1.41	1.00-10.00	0.20-0.22	0.0-2.9	2.5-4.0	.32	.32			
----------	16-19	10-35- 50	20-43- 72	18-22- 30	1.36-1.42	1.00-10.00	0.20-0.22	0.0-2.9	1.5-3.0	.32	.32			
----------	19-38	25-40- 60	10-36- 55	20-24- 30	1.38-1.63	1.00-10.00	0.16-0.18	3.0-5.9	0.5-2.0	.32	.32			
----------	38-79	75-90- 99	0- 5- 25	0- 5- 10	1.58-1.63	100.00-705.00	0.02-0.06	0.0-2.9	0.0-0.5	.02	.02			
1585:														
Spillville, Channeled, frequently flooded--	0-40	-41-	-37-	18-22- 26	1.45-1.55	1.00-10.00	0.19-0.21	3.0-5.9	4.0-6.0	.24	.24	5	6	48
----------	40-60	-66-	-15-	14-19- 24	1.55-1.70	10.00-100.00	0.15-0.18	0.0-2.9	2.0-3.0	.15	.15			

Physical Soil Properties

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
Coland, frequently flooded, channeled--	0-21	-35-	-34-	27-31- 35	1.40-1.50	1.00-10.00	0.20-0.22	3.0-5.9	5.0-7.0	.24	.24	5	6	48
----------	21-48	-35-	-34-	27-31- 35	1.40-1.50	1.00-10.00	0.20-0.22	3.0-5.9	3.0-5.0	.24	.24			
----------	48-60	-34-	-38-	12-28- 30	1.50-1.65	1.00-10.00	0.13-0.17	0.0-2.9	0.0-2.0	.32	.32			
5010:														
Pits, sand and gravel	---	--	--	--	---	---	---	---	---	---	---	--	---	---
5030:														
Pits, limestone quarry----------	---	--	--	--	---	---	---	---	---	---	---	--	---	---
5040:														
Udorthents, loamy----	---	--	--	--	---	---	---	---	---	---	---	5	---	---
AW:														
Animal waste lagoon--	---	--	--	--	---	---	---	---	---	---	---	--	---	---
BW:														
Built wetland--------	---	--	--	--	---	---	---	---	---	---	---	--	---	---
INT:														
Intermittent water---	---	--	--	--	---	---	---	---	---	---	---	--	---	---
SL:														
Sewage lagoon--------	---	--	--	--	---	---	---	---	---	---	---	--	---	---
W:														
Water----------	---	--	--	--	---	---	---	---	---	---	---	--	---	---