Mitchell County, Iowa
Physical Soil Properties

Print date: 11/07/2016

(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					
27:														
Terril----------	0-30	-41-	-37-	18-22- 26	1.35-1.40	1.00-10.00	0.20-0.22	0.0-2.9	3.5-4.5	.24	.24	5	6	48
----------	30-40	-60-	-18-	15-23- 30	1.45-1.70	1.00-10.00	0.16-0.18	0.0-2.9	0.0-1.0	.24	.24			
----------	40-60	-68-	-20-	10-13- 15	1.45-1.55	10.00-100.00	0.12-0.15	0.0-2.9	0.5-1.0	.24	.24			
27B:														
Terril----------	0-30	-41-	-37-	18-22- 26	1.35-1.40	1.00-10.00	0.20-0.22	0.0-2.9	3.5-4.5	.24	.24	5	6	48
----------	30-40	-60-	-18-	15-23- 30	1.45-1.70	1.00-10.00	0.16-0.18	0.0-2.9	0.0-1.0	.24	.24			
----------	40-60	-68-	-20-	10-13- 15	1.45-1.55	10.00-100.00	0.12-0.15	0.0-2.9	0.5-1.0	.24	.24			
83:														
Kenyon----------	0-9	20-35- 40	33-42- 62	18-23- 27	1.50-1.60	1.00-10.00	0.20-0.22	0.4-3.2	3.0-4.0	.24	.24	5	6	48
----------	9-14	20-35- 40	33-42- 62	18-23- 27	1.50-1.60	1.00-10.00	0.20-0.22	0.4-3.2	2.0-3.0	.32	.32			
----------	14-19	25-40- 55	18-37- 57	18-23- 27	1.50-1.60	1.00-10.00	0.20-0.22	0.4-3.2	1.0-3.0	.32	.32			
----------	19-41	30-43- 70	2-32- 50	20-25- 28	1.65-1.85	1.00-10.00	0.17-0.19	1.0-3.5	0.0-1.0	.32	.32			
----------	41-55	30-43- 70	2-32- 50	20-25- 28	1.65-1.85	1.00-10.00	0.17-0.19	1.0-3.5	0.0-1.0	.32	.32			
----------	55-71	35-41- 50	23-37- 47	18-22- 27	1.75-1.90	1.00-10.00	0.17-0.19	0.4-3.2	0.0-0.5	.37	.37			
----------	71-79	35-41- 50	23-37- 47	18-22- 27	1.75-1.90	1.00-10.00	0.17-0.19	0.4-3.2	0.0-0.5	.37	.37			
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			
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			

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					
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	10-18- 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			
96:														
Turlin, occasionally flooded----------	0-28	-26-	-52-	18-22- 26	1.45-1.55	1.00-10.00	0.20-0.22	0.0-2.9	4.5-5.5	.28	.28	5	6	48
----------	28-48	-39-	-37-	20-24- 28	1.55-1.65	1.00-10.00	0.17-0.19	0.0-2.9	2.0-3.0	.28	.28			
----------	48-60	-67-	-20-	8-13- 18	1.65-1.70	10.00-100.00	0.08-0.17	0.0-2.9	0.0-1.0	.24	.24			
98:														
Huntsville, occasionally flooded	0-32	-10-	-68-	18-23- 27	1.15-1.35	1.00-10.00	0.22-0.24	3.0-5.9	3.0-4.0	.37	.37	5	6	48
----------	32-45	-10-	-68-	18-23- 27	1.20-1.40	1.00-10.00	0.20-0.22	3.0-5.9	0.2-0.5	.49	.49			
----------	45-60	-14-	-69-	10-18- 25	1.20-1.50	1.00-10.00	0.17-0.21	0.0-2.9	0.2-1.0	.55	.55			
98B:														
Huntsville, occasionally flooded	0-32	-10-	-68-	18-23- 27	1.15-1.35	1.00-10.00	0.22-0.24	3.0-5.9	3.0-4.0	.37	.37	5	6	48
----------	32-45	-10-	-68-	18-23- 27	1.20-1.40	1.00-10.00	0.20-0.22	3.0-5.9	0.2-0.5	.49	.49			
----------	45-60	-14-	-69-	10-18- 25	1.20-1.50	1.00-10.00	0.17-0.21	0.0-2.9	0.2-1.0	.55	.55			
104B:														
Rockton, moderately deep----------	0-18	-25-	-53-	18-23- 27	1.30-1.40	1.00-10.00	0.20-0.22	0.0-2.9	3.0-4.0	.37	.37	2	6	48
----------	18-26	-34-	-37-	25-30- 35	1.40-1.55	1.00-10.00	0.17-0.19	3.0-5.9	0.5-1.0	.37	.37			
----------	26-36	-23-	-29-	35-48- 60	1.35-1.45	0.01-0.10	0.10-0.14	6.0-8.9	0.0-0.5	.28	.28			
----------	36-60	--	--	--	---	10.00-100.00	---	---	---	---	---			

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					
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			
110C:														
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			
118:														
Garwin----------	0-8	0-2- 5	60-66- 73	27-32- 35	1.30-1.35	1.00-10.00	0.21-0.23	3.0-5.9	6.0-7.0	.28	.28	5	6	48
----------	8-12	0-2- 5	60-65- 73	27-33- 35	1.30-1.35	1.00-10.00	0.21-0.23	3.0-5.9	3.5-5.5	.28	.28			
----------	12-18	0-2- 5	60-65- 73	27-33- 35	1.30-1.35	1.00-10.00	0.20-0.22	3.0-5.9	2.0-4.0	.28	.28			
----------	18-22	0-2- 5	60-64- 73	27-34- 35	1.28-1.35	1.00-10.00	0.16-0.20	3.0-5.9	1.5-2.5	.37	.37			
----------	22-27	0-2- 5	60-65- 73	27-33- 35	1.28-1.35	1.00-10.00	0.16-0.20	3.0-5.9	1.0-2.0	.43	.43			
----------	27-36	0-2- 5	60-66- 73	27-32- 35	1.28-1.35	1.00-10.00	0.16-0.20	3.0-5.9	1.0-2.0	.43	.43			
----------	36-42	0-2- 5	60-67- 73	27-31- 35	1.28-1.35	1.00-10.00	0.16-0.20	3.0-5.9	0.5-1.5	.43	.43			
----------	42-48	0-3- 5	63-71- 76	24-26- 32	1.35-1.45	1.00-10.00	0.15-0.19	3.0-5.9	0.3-0.8	.49	.49			
----------	48-79	0-3- 5	63-72- 76	24-25- 32	1.35-1.45	1.00-10.00	0.15-0.19	3.0-5.9	0.0-0.5	.49	.49			

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					
119:														
Muscatine	0-7	1- 3- 7	58-67- 75	24-30- 35	1.22-1.42	1.00-10.00	0.22-0.24	3.0-5.9	4.0-6.0	.37	.37	5	6	48
	7-16	1- 3- 7	58-67- 75	24-30- 35	1.22-1.42	1.00-10.00	0.22-0.24	3.0-5.9	4.0-6.0	.28	.28			
	16-20	1- 4- 10	55-63- 72	27-33- 35	1.30-1.43	1.00-10.00	0.20-0.22	3.0-5.9	1.5-4.0	.37	.37			
	20-42	1- 5- 10	55-62- 72	27-33- 35	1.34-1.50	1.00-10.00	0.16-0.20	3.0-5.9	0.5-2.0	.43	.43			
	42-79	1- 5- 10	55-70- 79	20-25- 35	1.35-1.60	1.00-10.00	0.15-0.19	3.0-5.9	0.3-0.8	.49	.49			
120:														
Tama	0-6	1- 3- 10	62-70- 77	22-27- 30	1.26-1.38	1.00-10.00	0.19-0.23	3.0-5.9	3.0-4.5	.32	.32	5	6	48
	6-10	1- 3- 10	60-69- 77	22-28- 30	1.22-1.36	1.00-10.00	0.19-0.23	3.0-5.9	2.5-4.0	.37	.37			
	10-14	1- 3- 10	60-69- 77	22-28- 30	1.22-1.36	1.00-10.00	0.19-0.23	3.0-5.9	2.5-4.0	.37	.37			
	14-18	1- 3- 5	63-66- 72	24-31- 32	1.24-1.35	1.00-10.00	0.17-0.21	3.0-5.9	1.0-2.5	.43	.43			
	18-32	1- 3- 5	60-64- 72	24-33- 35	1.37-1.46	1.00-10.00	0.17-0.21	3.0-5.9	0.5-2.0	.43	.43			
	32-45	1- 3- 5	60-66- 73	24-31- 35	1.37-1.46	1.00-10.00	0.17-0.21	3.0-5.9	0.5-2.0	.43	.43			
	45-60	1- 3- 5	65-69- 76	20-28- 30	1.35-1.40	1.00-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.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					
120B:														
Tama	0-6	1- 3- 10	62-70- 77	22-27- 30	1.26-1.38	1.00-10.00	0.19-0.23	3.0-5.9	3.0-4.5	.32	.32	5	6	48
	6-10	1- 3- 10	60-69- 77	22-28- 30	1.22-1.36	1.00-10.00	0.19-0.23	3.0-5.9	2.5-4.0	.37	.37			
	10-14	1- 3- 10	60-69- 77	22-28- 30	1.22-1.36	1.00-10.00	0.19-0.23	3.0-5.9	2.5-4.0	.37	.37			
	14-18	1- 3- 5	63-66- 72	24-31- 32	1.24-1.35	1.00-10.00	0.17-0.21	3.0-5.9	1.0-2.5	.43	.43			
	18-32	1- 3- 5	60-64- 72	24-33- 35	1.37-1.46	1.00-10.00	0.17-0.21	3.0-5.9	0.5-2.0	.43	.43			
	32-45	1- 3- 5	60-66- 73	24-31- 35	1.37-1.46	1.00-10.00	0.17-0.21	3.0-5.9	0.5-2.0	.43	.43			
	45-60	1- 3- 5	65-69- 76	20-28- 30	1.35-1.40	1.00-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.49	.49			
120C2:														
Tama, eroded	0-6	1- 3- 10	62-67- 75	24-30- 32	1.30-1.38	1.00-10.00	0.19-0.23	3.0-5.9	2.5-4.5	.32	.32	5	6	48
	6-12	1- 3- 5	63-66- 72	24-31- 32	1.24-1.35	1.00-10.00	0.17-0.21	3.0-5.9	1.0-2.5	.43	.43			
	12-20	1- 3- 5	60-64- 72	24-33- 35	1.37-1.46	1.00-10.00	0.17-0.21	3.0-5.9	0.5-2.0	.43	.43			
	20-33	1- 3- 5	60-66- 73	24-31- 35	1.37-1.46	1.00-10.00	0.17-0.21	3.0-5.9	0.5-2.0	.43	.43			
	33-60	1- 3- 5	65-69- 76	20-28- 30	1.35-1.40	1.00-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.49	.49			
135:														
Coland, occasionally flooded	0-32	-20-	-49-	27-31- 35	1.40-1.50	1.00-10.00	0.20-0.22	3.0-5.9	5.0-7.0	.32	.32	5	6	48
	32-40	-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			
	40-60	-66-	-15-	12-19- 26	1.50-1.65	10.00-100.00	0.13-0.17	0.0-2.9	0.0-2.0	.17	.17			
171:														
Bassett	0-12	-41-	-37-	18-22- 25	1.45-1.50	1.00-10.00	0.19-0.21	0.0-2.9	3.0-4.0	.24	.24	5	6	48
	12-18	-39-	-37-	20-24- 28	1.55-1.65	1.00-10.00	0.17-0.19	0.0-2.9	0.5-1.0	.32	.32			
	18-60	-41-	-37-	20-22- 24	1.65-1.75	1.00-10.00	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
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			
171C:														
Bassett	0-9	10-35- 50	24-47- 73	15-18- 26	1.36-1.47	1.00-10.00	0.17-0.21	0.0-2.9	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	0.0-2.9	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	0.0-2.9	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	0.0-2.9	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	0.0-2.9	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	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					
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			
174B:														
Bolan	0-8	25-40- 75	15-38- 70	12-23- 27	1.40-1.45	1.00-10.00	0.20-0.22	3.0-5.9	3.0-4.0	.24	.24	4	6	48
	8-14	25-40- 75	15-38- 70	12-23- 27	1.45-1.50	1.00-10.00	0.17-0.19	3.0-5.9	2.0-4.0	.28	.28			
	14-19	40-44- 70	20-40- 50	12-16- 25	1.45-1.50	1.00-10.00	0.17-0.19	0.0-2.9	1.0-2.0	.37	.37			
	19-30	40-44- 85	10-40- 50	7-16- 20	1.45-1.50	1.00-10.00	0.17-0.19	0.0-2.9	1.0-2.0	.37	.37			
	30-45	60-67- 90	5-23- 50	7-10- 15	1.50-1.60	10.00-100.00	0.11-0.13	0.0-2.9	0.0-1.0	.32	.32			
	45-80	75-79- 95	5-16- 20	2- 5- 10	1.60-1.70	10.00-100.00	0.08-0.10	0.0-2.9	0.0-0.5	.32	.32			
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			
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			

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					
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	0-13	-26-	-53-	18-21- 24	1.40-1.45	1.00-10.00	0.20-0.22	0.0-2.9	3.5-4.5	.28	.28	3	6	48
	13-36	-40-	-38-	18-23- 27	1.40-1.50	1.00-10.00	0.15-0.19	0.0-2.9	1.0-2.0	.32	.32			
	36-60	-94-	- 1-	2- 5- 8	1.50-1.75	100.00-705.0	0.02-0.06	0.0-2.9	0.0-1.0	.02	.05			

						0								
178B:														
Waukee	0-13	-26-	-53-	18-21- 24	1.40-1.45	1.00-10.00	0.20-0.22	0.0-2.9	3.5-4.5	.28	.28	3	6	48
	13-36	-40-	-38-	18-23- 27	1.40-1.50	1.00-10.00	0.15-0.19	0.0-2.9	1.0-2.0	.32	.32			
	36-60	-94-	- 1-	2- 5- 8	1.50-1.75	100.00-705.0	0.02-0.06	0.0-2.9	0.0-1.0	.02	.05			
						0								
183B:														
Dubuque, moderately deep	0-13	-11-	-68-	15-21- 27	1.30-1.35	1.00-10.00	0.20-0.22	0.0-2.9	2.0-3.0	.43	.43	2	6	48
	13-24	- 7-	-63-	26-31- 35	1.30-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-1.0	.49	.49			
	24-28	-23-	-29-	40-48- 55	1.50-1.60	0.01-0.10	0.12-0.15	6.0-8.9	0.0-0.5	.28	.28			
	28-60	--	--	--	---	10.00-100.00	---	---	---	---	---			
183C:														
Dubuque, moderately deep	0-13	-11-	-68-	15-21- 27	1.30-1.35	1.00-10.00	0.20-0.22	0.0-2.9	2.0-3.0	.43	.43	2	6	48
	13-24	- 7-	-63-	26-31- 35	1.30-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-1.0	.49	.49			
	24-28	-23-	-29-	40-48- 55	1.50-1.60	0.01-0.10	0.12-0.15	6.0-8.9	0.0-0.5	.28	.28			
	28-60	--	--	--	---	10.00-100.00	---	---	---	---	---			
184:														
Klinger	0-8	5-10- 15	52-62- 71	24-28- 35	1.27-1.38	1.00-10.00	0.22-0.24	3.0-5.9	4.0-6.0	.28	.28	5	6	48
	8-14	5-10- 15	52-62- 71	24-28- 35	1.27-1.38	1.00-10.00	0.22-0.24	3.0-5.9	2.0-5.0	.28	.28			
	14-19	5-10- 15	52-62- 71	24-28- 35	1.33-1.41	1.00-10.00	0.22-0.24	3.0-5.9	1.0-4.0	.32	.32			
	19-29	5-10- 15	50-60- 70	24-30- 35	1.33-1.41	1.00-10.00	0.18-0.20	3.0-5.9	0.5-2.0	.43	.43			
	29-45	25-40- 50	20-36- 53	18-24- 30	1.75-1.90	0.01-1.00	0.11-0.17	0.0-2.9	0.0-0.5	.37	.37			
	45-59	25-40- 50	20-36- 53	18-24- 30	1.75-1.90	0.01-1.00	0.11-0.17	0.0-2.9	0.0-0.5	.37	.37			
	59-72	35-40- 50	28-36- 47	18-24- 27	1.75-1.90	0.01-1.00	0.12-0.18	0.0-2.9	0.0-0.5	.37	.37			
	72-79	35-40- 50	28-36- 47	18-24- 27	1.75-1.90	0.01-1.00	0.12-0.18	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					
188:														
Kensett	0-7	15-24- 40	30-51- 67	18-25- 30	1.35-1.40	1.00-10.00	0.21-0.23	1.3-3.1	5.0-6.0	.28	.28	2	6	48
	7-13	15-24- 40	30-51- 67	18-25- 30	1.35-1.40	1.00-10.00	0.21-0.23	1.3-3.1	5.0-6.0	.24	.24			
	13-18	15-24- 40	30-51- 67	18-25- 30	1.35-1.40	1.00-10.00	0.21-0.23	2.0-4.6	4.0-6.0	.24	.24			
	18-23	20-36- 45	20-36- 62	18-28- 35	1.40-1.60	1.00-10.00	0.17-0.19	1.6-5.1	1.0-3.0	.32	.32			
	23-28	20-36- 45	20-36- 62	18-28- 35	1.40-1.60	1.00-10.00	0.17-0.19	1.6-4.9	1.0-2.0	.32	.32			
	28-36	25-60- 65	6-22- 61	14-18- 29	1.60-1.75	10.00-100.00	0.11-0.13	1.0-3.4	0.0-0.5	.24	.24			
	36-79	--	--	--	---	14.00-141.00	---	---	---	---	---			
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, deep	0-4	15-35- 50	30-44- 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	---	---	---	---	---			
205C:														
Whalan, deep	0-4	15-35- 50	30-44- 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	---	---	---	---	---			
214B:														
Rockton, moderately deep	0-14	-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	.32	.32	2	6	48
	14-18	-34-	-37-	25-30- 35	1.40-1.55	1.00-10.00	0.17-0.19	3.0-5.9	0.5-1.0	.37	.37			
	18-26	-30-	-32-	35-39- 60	1.35-1.45	0.10-1.00	0.10-0.14	6.0-8.9	0.0-0.5	.28	.28			
	26-60	--	--	--	---	10.00-100.00	---	---	---	---	---			

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					
214C:														
Rockton, moderately deep	0-14	-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	.32	.32	2	6	48
	14-18	-34-	-37-	25-30- 35	1.40-1.55	1.00-10.00	0.17-0.19	3.0-5.9	0.5-1.0	.37	.37			
	18-26	-30-	-32-	35-39- 60	1.35-1.45	0.10-1.00	0.10-0.14	6.0-8.9	0.0-0.5	.28	.28			
	26-60	--	--	--	---	10.00-100.00	---	---	---	---	---			
216B:														
Ripon, 20 to 30 inches to bedrock	0-9	0-11- 15	58-67- 88	12-22- 27	1.35-1.55	1.00-10.00	0.22-0.24	1.3-3.9	3.0-4.0	.32	.32	2	6	48
	9-11	0-11- 15	58-65- 88	12-24- 27	1.35-1.55	1.00-10.00	0.22-0.24	1.3-3.8	2.0-3.0	.37	.37			
	11-19	0-10- 15	50-64- 82	18-26- 35	1.35-1.55	1.00-10.00	0.22-0.24	1.9-5.1	1.0-2.0	.49	.49			
	19-24	0- 7- 15	50-63- 82	18-30- 35	1.55-1.65	1.00-10.00	0.18-0.22	1.8-4.8	0.5-1.0	.49	.49			
	24-26	20-30- 60	5-40- 60	20-30- 35	1.55-1.70	1.00-10.00	0.14-0.19	1.8-4.5	0.0-0.5	.49	.49			
	26-79	--	--	--	---	0.00-0.01	---	---	---	---	---			
217B:														
Ripon, 30 to 40 inches to bedrock	0-9	0-11- 15	58-67- 88	12-22- 27	1.35-1.55	1.00-10.00	0.22-0.24	1.3-3.9	3.0-4.0	.28	.28	2	6	48
	9-11	0-11- 15	58-65- 88	12-24- 27	1.35-1.55	1.00-10.00	0.22-0.24	1.3-3.8	2.0-3.0	.32	.32			
	11-23	0-10- 15	50-64- 82	18-26- 35	1.35-1.55	1.00-10.00	0.22-0.24	1.9-5.1	1.0-2.0	.49	.49			
	23-32	0- 7- 15	50-63- 82	18-30- 35	1.55-1.65	1.00-10.00	0.18-0.22	1.8-4.8	0.5-1.0	.49	.49			
	32-34	20-30- 60	5-40- 60	20-30- 35	1.55-1.70	1.00-10.00	0.14-0.19	1.8-4.5	0.0-0.5	.49	.49			
	34-79	--	--	--	---	0.00-0.01	---	---	---	---	---			
221:														
Muck	0-30	-19-	-53-	25-28- 30	0.30-0.40	1.00-100.00	0.35-0.45	---	20-50	---	---	1	2	134
	30-60	-20-	-52-	7-28- 35	1.45-1.75	1.00-10.00	0.14-0.22	0.0-2.9	0.0-5.0	.28	.43			
235:														
Coland, occasionally flooded	0-32	-20-	-49-	27-31- 35	1.40-1.50	1.00-10.00	0.20-0.22	3.0-5.9	5.0-7.0	.32	.32	5	6	48
	32-40	-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			
	40-60	-66-	-15-	12-19- 26	1.50-1.65	10.00-100.00	0.13-0.17	0.0-2.9	0.0-2.0	.17	.17			
Turlin, occasionally flooded	0-28	-26-	-52-	18-22- 26	1.45-1.55	1.00-10.00	0.20-0.22	0.0-2.9	4.4-7.0	.28	.28	5	6	48
	28-48	-39-	-37-	20-24- 28	1.55-1.65	1.00-10.00	0.17-0.19	0.0-2.9	2.0-3.0	.28	.28			
	48-60	-67-	-20-	8-13- 18	1.65-1.70	10.00-100.00	0.08-0.17	0.0-2.9	0.0-1.0	.24	.24			
265:														
Bixby	0-11	-40-	-38-	18-23- 27	1.30-1.50	1.00-10.00	0.16-0.19	0.0-2.9	2.5-3.5	.28	.28	3	6	48
	11-27	-58-	-18-	18-24- 30	1.40-1.55	1.00-10.00	0.14-0.18	0.0-2.9	0.3-0.8	.24	.24			
	27-60	-79-	-16-	2- 5- 8	1.50-1.75	10.00-100.00	0.02-0.06	0.0-2.9	0.0-0.5	.24	.24			

Physical Soil Properties

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk	Saturated hydraulic	Available water	Linear extensi-	Organic matter	Erosion factors			Wind erodi-bility	Wind erodi-bility

					density	conductivity	capacity	bility		Kw	Kf	T	group	index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
265B:														
Bixby----------	0-11	-40-	-38-	18-23- 27	1.30-1.50	1.00-10.00	0.16-0.19	0.0-2.9	2.0-3.0	.28	.28	3	6	48
----------	11-27	-58-	-18-	18-24- 30	1.40-1.55	1.00-10.00	0.14-0.18	0.0-2.9	0.3-0.8	.24	.24			
----------	27-60	-79-	-16-	2- 5- 8	1.50-1.75	10.00-100.00	0.02-0.06	0.0-2.9	0.0-0.5	.24	.24			
284:														
Flagler----------	0-20	-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
----------	20-32	-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			
----------	32-60	-79-	-16-	2- 5- 8	1.60-1.75	10.00-100.00	0.02-0.04	0.0-2.9	0.0-0.5	.15	.24			
284B:														
Flagler----------	0-20	-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
----------	20-32	-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			
----------	32-60	-79-	-16-	2- 5- 8	1.60-1.75	10.00-100.00	0.02-0.04	0.0-2.9	0.0-0.5	.15	.24			
285:														
Burkhardt----------	0-17	-67-	-24-	5- 9- 13	1.35-1.55	10.00-100.00	0.11-0.15	0.0-2.9	2.0-3.0	.20	.20	2	3	86
----------	17-22	-83-	- 8-	5- 9- 13	1.55-1.65	10.00-100.00	0.10-0.19	0.0-2.9	0.5-1.0	.15	.15			
----------	22-60	-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	.10	.10			
285C:														
Burkhardt----------	0-17	-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
----------	17-22	-83-	- 8-	5- 9- 13	1.55-1.65	10.00-100.00	0.10-0.19	0.0-2.9	0.5-1.0	.15	.15			
----------	22-60	-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	.10	.10			
291:														
Atterberry----------	0-11	-10-	-68-	20-23- 26	1.35-1.55	1.00-10.00	0.22-0.25	0.0-2.9	3.0-4.0	.37	.37	5	6	48
----------	11-33	- 7-	-63-	25-30- 35	1.40-1.60	1.00-10.00	0.14-0.24	3.0-5.9	0.1-0.5	.43	.43			
----------	33-60	-10-	-68-	18-23- 27	1.40-1.65	1.00-10.00	0.14-0.24	0.0-2.9	0.1-0.5	.49	.49			
302B:														
Coggon----------	0-11	-42-	-37-	18-21- 24	1.45-1.50	1.00-10.00	0.18-0.20	0.0-2.9	2.0-3.0	.28	.28	5	6	48
----------	11-65	-39-	-37-	22-25- 28	1.50-1.70	1.00-10.00	0.17-0.19	0.0-2.9	0.5-1.0	.32	.32			
----------	65-80	-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			
303B:														
Pinicon----------	0-12	-42-	-38-	18-20- 22	1.45-1.50	1.00-10.00	0.19-0.21	3.0-5.9	2.0-3.0	.28	.28	5	6	48
----------	12-20	-38-	-36-	24-26- 28	1.50-1.70	1.00-10.00	0.17-0.19	3.0-5.9	0.0-1.0	.32	.32			
----------	20-60	-39-	-37-	22-24- 26	1.65-1.75	1.00-10.00	0.17-0.19	3.0-5.9	0.0-1.0	.37	.37			
354:														
Marsh----------	0-36	-19-	-53-	25-28- 30	0.25-0.45	1.00-100.00	0.35-0.45	---	10-50	.28	.28	1	---	---
----------	36-63	-26-	-53-	7-21- 35	1.45-1.75	1.00-10.00	0.14-0.22	0.0-2.9	5.0-10	.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					
377:														
Dinsdale----------	0-7	2- 8- 15	53-64- 76	20-28- 32	1.33-1.38	1.00-10.00	0.16-0.20	3.0-5.9	3.0-4.0	.37	.37	5	6	48
----------	7-12	2- 7- 15	53-64- 76	20-29- 32	1.28-1.34	1.00-10.00	0.16-0.20	3.0-5.9	2.0-3.0	.32	.32			
----------	12-19	2- 7- 15	53-64- 73	22-29- 32	1.33-1.34	1.00-10.00	0.17-0.20	3.0-5.9	1.0-2.0	.43	.43			
----------	19-28	2- 9- 15	50-59- 70	22-32- 35	1.34-1.43	1.00-10.00	0.17-0.20	3.0-5.9	0.5-2.0	.43	.43			
----------	28-34	2- 9- 15	50-60- 73	22-31- 35	1.34-1.44	1.00-10.00	0.17-0.21	3.0-5.9	0.5-2.0	.43	.43			
----------	34-46	30-45- 65	15-30- 50	20-25- 30	1.75-1.90	0.01-1.00	0.10-0.18	3.0-5.9	0.0-0.5	.32	.32			
----------	46-58	35-45- 50	20-33- 41	18-22- 30	1.75-1.90	0.01-1.00	0.12-0.20	0.0-2.9	0.0-0.5	.37	.37			
----------	58-79	35-45- 50	20-33- 41	18-22- 30	1.75-1.90	0.01-1.00	0.12-0.20	0.0-2.9	0.0-0.5	.37	.37			
377B:														
Dinsdale----------	0-7	2- 8- 15	53-64- 76	20-28- 32	1.33-1.38	1.00-10.00	0.16-0.20	3.0-5.9	3.0-4.0	.37	.37	5	6	48
----------	7-12	2- 7- 15	53-64- 76	20-29- 32	1.28-1.34	1.00-10.00	0.16-0.20	3.0-5.9	2.0-3.0	.32	.32			
----------	12-19	2- 7- 15	53-64- 73	22-29- 32	1.33-1.34	1.00-10.00	0.17-0.20	3.0-5.9	1.0-2.0	.43	.43			
----------	19-28	2- 9- 15	50-57- 70	22-34- 35	1.34-1.43	1.00-10.00	0.17-0.20	3.0-5.9	0.5-2.0	.43	.43			
----------	28-34	2- 9- 15	50-60- 73	22-31- 35	1.34-1.44	1.00-10.00	0.17-0.21	3.0-5.9	0.5-2.0	.43	.43			
----------	34-46	30-45- 65	15-30- 50	20-25- 30	1.75-1.90	0.01-1.00	0.10-0.18	3.0-5.9	0.0-0.5	.32	.32			
----------	46-58	35-45- 50	20-33- 41	18-22- 30	1.75-1.90	0.01-1.00	0.12-0.20	0.0-2.9	0.0-0.5	.37	.37			
----------	58-79	35-45- 50	20-33- 41	18-22- 30	1.75-1.90	0.01-1.00	0.12-0.20	0.0-2.9	0.0-0.5	.37	.37			
382:														
Maxfield----------	0-12	2- 7- 15	55-65- 76	20-28- 30	1.15-1.25	1.00-10.00	0.21-0.23	0.0-2.9	6.0-8.0	.37	.37	5	6	48
----------	12-19	2- 7- 15	55-65- 76	20-28- 30	1.15-1.35	1.00-10.00	0.21-0.23	3.0-5.9	3.0-6.0	.37	.37			
----------	19-29	2- 7- 15	53-64- 73	25-29- 34	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.5-2.0	.49	.49			
----------	29-47	25-33- 50	24-41- 53	18-26- 27	1.75-1.90	0.01-1.00	0.09-0.17	3.0-5.9	0.0-0.5	.37	.37			
----------	47-55	25-33- 50	26-43- 53	18-24- 27	1.75-1.90	0.01-1.00	0.11-0.17	0.0-2.9	0.0-0.5	.43	.43			
----------	55-70	35-44- 50	28-34- 46	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			
----------	70-79	35-44- 50	28-34- 46	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			
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			

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					
394:														
Ostrander----------	0-16	-40-	-38-	18-23- 27	1.45-1.55	1.00-10.00	0.20-0.24	0.0-2.9	3.5-4.5	.24	.24	5	6	48
----------	16-32	-40-	-38-	18-23- 27	1.45-1.55	1.00-10.00	0.17-0.20	0.0-2.9	1.0-2.0	.32	.32			
----------	32-54	-61-	-19-	13-20- 27	1.45-1.65	1.00-10.00	0.17-0.19	0.0-2.9	0.0-1.0	.24	.24			
----------	54-60	-40-	-38-	18-23- 27	1.60-1.80	1.00-10.00	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
394B:														
Ostrander----------	0-16	-40-	-38-	18-23- 27	1.45-1.55	1.00-10.00	0.20-0.24	0.0-2.9	3.0-4.0	.24	.24	5	6	48
----------	16-32	-40-	-38-	18-23- 27	1.45-1.55	1.00-10.00	0.17-0.20	0.0-2.9	1.0-2.0	.32	.32			
----------	32-54	-61-	-19-	13-20- 27	1.45-1.65	1.00-10.00	0.17-0.19	0.0-2.9	0.0-1.0	.24	.24			
----------	54-60	-40-	-38-	18-23- 27	1.60-1.80	1.00-10.00	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
398:														
Tripoli----------	0-9	15-16- 40	28-54- 60	25-30- 32	1.25-1.45	1.00-10.00	0.20-0.24	0.0-2.9	6.0-7.0	.24	.24	5	6	48
----------	9-14	15-16- 40	28-54- 60	25-30- 32	1.25-1.45	1.00-10.00	0.20-0.24	3.0-5.9	4.0-6.0	.28	.28			
----------	14-18	15-16- 40	28-54- 60	25-30- 32	1.25-1.45	1.00-10.00	0.20-0.24	3.0-5.9	3.0-5.0	.28	.28			
----------	18-23	20-28- 40	32-45- 58	22-27- 28	1.45-1.70	1.00-10.00	0.19-0.23	3.0-5.9	2.0-4.0	.37	.37			
----------	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			
399B:														
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----------	0-7	-27-	-54-	18-20- 22	1.40-1.45	1.00-10.00	0.19-0.21	3.0-5.9	2.5-3.5	.32	.32	5	6	48
----------	7-22	-27-	-54-	18-20- 22	1.40-1.45	1.00-10.00	0.19-0.21	3.0-5.9	2.5-3.5	.32	.32			
----------	22-37	-60-	-18-	15-22- 28	1.45-1.65	10.00-100.00	0.12-0.16	0.0-2.9	0.5-1.0	.24	.24			
----------	37-63	-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			

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					
412B:														
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	---	---	---	---	---			
412D:														
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	---	---	---	---	---			
412G:														
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----------	0-12	-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
----------	12-18	-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			
----------	18-60	-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			
471B:														
Oran----------	0-12	-42-	-38-	16-20- 24	1.40-1.45	1.00-10.00	0.18-0.20	0.0-2.9	2.5-3.5	.28	.28	5	6	48
----------	12-18	-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			
----------	18-60	-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			
482:														
Racine----------	0-14	-25-	-53-	18-23- 27	1.35-1.45	1.00-10.00	0.22-0.24	0.0-2.9	3.0-4.0	.32	.32	5	6	48
----------	14-37	-39-	-37-	18-25- 32	1.55-1.65	1.00-10.00	0.15-0.19	0.0-2.9	0.5-1.5	.32	.32			
----------	37-50	-39-	-37-	18-25- 32	1.55-1.65	1.00-10.00	0.15-0.19	0.0-2.9	0.3-0.8	.32	.32			
----------	50-60	-40-	-38-	18-23- 27	1.65-1.80	1.00-10.00	0.16-0.19	3.0-5.9	0.0-0.5	.37	.37			
482B:														
Racine----------	0-14	-25-	-53-	18-23- 27	1.35-1.45	1.00-10.00	0.22-0.24	0.0-2.9	3.0-4.0	.32	.32	5	6	48
----------	14-37	-39-	-37-	18-25- 32	1.55-1.65	1.00-10.00	0.15-0.19	0.0-2.9	0.5-1.5	.32	.32			
----------	37-50	-39-	-37-	18-25- 32	1.55-1.65	1.00-10.00	0.15-0.19	0.0-2.9	0.3-0.8	.32	.32			
----------	50-60	-40-	-38-	18-23- 27	1.65-1.80	1.00-10.00	0.16-0.19	3.0-5.9	0.0-0.5	.37	.37			
482C:														
Racine----------	0-14	-25-	-53-	18-23- 27	1.35-1.45	1.00-10.00	0.22-0.24	0.0-2.9	3.0-4.0	.32	.32	5	6	48
----------	14-37	-39-	-37-	18-25- 32	1.55-1.65	1.00-10.00	0.15-0.19	0.0-2.9	0.5-1.5	.32	.32			
----------	37-50	-39-	-37-	18-25- 32	1.55-1.65	1.00-10.00	0.15-0.19	0.0-2.9	0.3-0.8	.32	.32			
----------	50-60	-40-	-38-	18-23- 27	1.65-1.80	1.00-10.00	0.16-0.19	3.0-5.9	0.0-0.5	.37	.37			
491B:														
Renova----------	0-8	-39-	-37-	20-24- 27	1.30-1.40	1.00-10.00	0.22-0.24	0.0-2.9	2.0-3.0	.28	.28	5	6	48
----------	8-18	-38-	-36-	24-26- 32	1.35-1.45	1.00-10.00	0.20-0.22	0.0-2.9	0.5-1.5	.32	.32			
----------	18-23	-39-	-37-	20-25- 30	1.55-1.70	1.00-10.00	0.17-0.19	0.0-2.9	0.3-0.8	.32	.32			
----------	23-60	-59-	-18-	20-24- 27	1.55-1.70	1.00-10.00	0.17-0.19	0.0-2.9	0.0-0.5	.24	.24			

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					
507:														
Canisteo----------	0-10	-18-	-51-	27-31- 35	1.25-1.35	1.00-10.00	0.18-0.22	3.2-5.8	5.0-7.0	.28	.28	5	4L	86
----------	10-18	-35-	-34-	27-31- 35	1.25-1.35	1.00-10.00	0.18-0.22	3.2-5.8	3.0-5.0	.24	.24			
----------	18-39	-35-	-39-	20-26- 35	1.35-1.50	1.00-10.00	0.15-0.19	3.0-5.8	2.0-4.0	.28	.28			
----------	39-80	-43-	-40-	12-17- 22	1.50-1.70	1.00-10.00	0.17-0.19	0.0-1.6	0.1-0.5	.43	.43			
536:														
Hanlon, occasionally flooded----------	0-7	-66-	-19-	12-15- 18	1.45-1.55	10.00-100.00	0.16-0.18	0.0-2.9	2.0-3.0	.15	.15	5	3	86
----------	7-50	-65-	-20-	12-15- 18	1.45-1.55	10.00-100.00	0.16-0.18	0.0-2.9	1.0-2.0	.24	.24			
----------	50-69	-69-	-24-	5- 8- 10	1.55-1.70	10.00-100.00	0.11-0.13	0.0-2.9	1.0-2.0	.28	.28			
----------	69-80	-46-	-44-	2-10- 18	1.55-1.70	1.00-10.00	0.12-0.19	0.0-2.9	0.0-1.0	.49	.49			
575:														
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			
Ostrander----------	0-16	-40-	-38-	18-23- 27	1.45-1.55	1.00-10.00	0.20-0.24	0.0-2.9	3.0-4.0	.24	.24	5	6	48
----------	16-32	-40-	-38-	18-23- 27	1.45-1.55	1.00-10.00	0.17-0.20	0.0-2.9	1.0-2.0	.32	.32			
----------	32-54	-61-	-19-	13-20- 27	1.45-1.65	1.00-10.00	0.17-0.19	0.0-2.9	0.0-1.0	.24	.24			
----------	54-60	-60-	-18-	18-23- 27	1.60-1.80	1.00-10.00	0.17-0.19	0.0-2.9	0.0-0.5	.24	.24			
575B:														
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			
Ostrander----------	0-16	-40-	-38-	18-23- 27	1.45-1.55	1.00-10.00	0.20-0.24	0.0-2.9	3.0-4.0	.24	.24	5	6	48
----------	16-32	-40-	-38-	18-23- 27	1.45-1.55	1.00-10.00	0.17-0.20	0.0-2.9	1.0-2.0	.32	.32			
----------	32-54	-61-	-19-	13-20- 27	1.45-1.65	1.00-10.00	0.17-0.19	0.0-2.9	0.0-1.0	.24	.24			
----------	54-60	-60-	-18-	18-23- 27	1.60-1.80	1.00-10.00	0.17-0.19	0.0-2.9	0.0-0.5	.24	.24			
610B:														
Lamont----------	0-8	-67-	-20-	10-13- 15	1.50-1.55	10.00-100.00	0.16-0.18	0.0-2.9	0.5-1.5	.20	.20	4	3	86
----------	8-23	-64-	-27-	5-10- 15	1.50-1.55	10.00-100.00	0.14-0.16	0.0-2.9	0.0-0.5	.37	.37			
----------	23-53	-65-	-20-	10-16- 22	1.45-1.65	10.00-100.00	0.14-0.16	0.0-2.9	0.0-0.5	.28	.28			
----------	53-80	-88-	- 2-	5-10- 15	1.65-1.75	10.00-100.00	0.09-0.11	0.0-2.9	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	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
Renova----------	0-8	-39-	-37-	20-24- 27	1.30-1.40	1.00-10.00	0.22-0.24	0.0-2.9	2.0-3.0	.28	.28	5	6	48
----------	8-18	-38-	-36-	24-26- 32	1.35-1.45	1.00-10.00	0.20-0.22	0.0-2.9	0.5-1.5	.32	.32			
----------	18-23	-39-	-37-	20-25- 30	1.55-1.70	1.00-10.00	0.17-0.19	0.0-2.9	0.3-0.8	.32	.32			
----------	23-60	-59-	-18-	20-24- 27	1.55-1.70	1.00-10.00	0.17-0.19	0.0-2.9	0.0-0.5	.24	.24			
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	100.00-705.00	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
714:														
Winneshiek, moderately deep	0-10	-42-	-37-	18-21- 24	1.45-1.50	1.00-10.00	0.19-0.21	0.0-2.9	3.0-4.0	.28	.28	2	6	48
	10-21	-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	.43	.43			
	21-27	-23-	-29-	40-48- 55	1.50-1.60	0.01-0.10	0.12-0.15	6.0-8.9	0.0-1.0	.28	.28			
	27-60	--	--	--	---	10.00-100.00	---	---	---	---	---			
714B:														
Winneshiek, moderately deep	0-10	-42-	-37-	18-21- 24	1.45-1.50	1.00-10.00	0.19-0.21	0.0-2.9	2.5-3.5	.28	.28	2	6	48
	10-21	-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	.43	.43			
	21-27	-23-	-29-	40-48- 55	1.50-1.60	0.01-0.10	0.12-0.15	6.0-8.9	0.0-1.0	.28	.28			
	27-60	--	--	--	---	10.00-100.00	---	---	---	---	---			
714C:														
Winneshiek, moderately deep	0-10	-42-	-37-	18-21- 24	1.45-1.50	1.00-10.00	0.19-0.21	0.0-2.9	2.5-3.5	.28	.28	2	6	48
	10-21	-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	.43	.43			
	21-27	-23-	-29-	40-48- 55	1.50-1.60	0.01-0.10	0.12-0.15	6.0-8.9	0.0-1.0	.28	.28			
	27-60	--	--	--	---	10.00-100.00	---	---	---	---	---			
714D:														
Winneshiek, moderately deep	0-10	-42-	-37-	18-21- 24	1.45-1.50	1.00-10.00	0.19-0.21	0.0-2.9	2.5-3.5	.28	.28	2	6	48
	10-21	-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	.43	.43			
	21-27	-23-	-29-	40-48- 55	1.50-1.60	0.01-0.10	0.12-0.15	6.0-8.9	0.0-1.0	.28	.28			
	27-60	--	--	--	---	10.00-100.00	---	---	---	---	---			
733:														
Calco, occasionally flooded	0-36	-20-	-49-	27-31- 35	1.40-1.50	1.00-10.00	0.20-0.22	6.0-8.9	5.0-7.0	.32	.32	5	4L	86
	36-45	-35-	-34-	27-31- 35	1.40-1.50	1.00-10.00	0.20-0.22	6.0-8.9	1.0-2.0	.28	.28			
	45-60	-66-	-15-	12-19- 26	1.50-1.65	10.00-100.00	0.13-0.17	0.0-2.9	0.0-0.5	.17	.17			

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					
760:														
Ansgar	0-8	2- 7- 10	65-71- 80	18-22- 25	1.20-1.35	1.00-10.00	0.21-0.23	0.0-2.9	3.0-4.0	.43	.43	5	6	48
	8-12	2- 7- 10	70-76- 83	15-17- 20	1.40-1.55	1.00-10.00	0.21-0.23	0.0-2.9	0.5-1.0	.43	.43			
	12-18	2- 7- 10	55-61- 68	30-32- 35	1.40-1.70	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
	18-28	2- 7- 10	55-61- 68	30-32- 35	1.40-1.70	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
	28-36	30-33- 70	0-43- 50	20-24- 30	1.40-1.70	1.00-10.00	0.17-0.19	3.0-5.9	0.0-0.5	.49	.49			
	36-68	30-33- 70	0-43- 50	20-24- 30	1.40-1.70	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	1.40-1.70	1.00-10.00	0.17-0.19	3.0-5.9	0.0-0.5	.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			
771:														
Waubeek	0-7	2-11- 15	61-67- 79	19-22- 24	1.20-1.30	1.00-10.00	0.21-0.23	0.0-2.9	3.5-4.0	.43	.43	5	6	48
	7-13	2-11- 15	61-67- 79	19-22- 24	1.40-1.55	1.00-10.00	0.21-0.23	3.0-5.9	0.5-1.0	.49	.49			
	13-19	2-11- 15	55-60- 74	24-29- 30	1.40-1.65	1.00-10.00	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
	19-29	2- 7- 15	55-64- 74	24-29- 30	1.40-1.63	1.00-10.00	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
	29-34	30-33- 55	17-43- 50	20-24- 28	1.40-1.70	1.00-10.00	0.17-0.19	3.0-5.9	0.0-0.5	.49	.49			
	34-45	30-33- 55	17-43- 50	20-24- 28	1.40-1.70	1.00-10.00	0.17-0.19	3.0-5.9	0.0-0.5	.49	.49			
	45-57	35-44- 50	23-34- 47	18-22- 27	1.40-1.70	1.00-10.00	0.17-0.19	3.0-5.9	0.0-0.5	.49	.49			
	57-80	35-44- 50	23-34- 47	18-22- 27	1.40-1.70	1.00-10.00	0.17-0.19	3.0-5.9	0.0-0.5	.49	.49			
771B:														
Waubeek	0-7	2-11- 15	61-67- 79	19-22- 24	1.20-1.30	1.00-10.00	0.21-0.23	0.0-2.9	3.5-4.0	.43	.43	5	6	48
	7-13	2-11- 15	61-67- 79	19-22- 24	1.40-1.55	1.00-10.00	0.21-0.23	3.0-5.9	0.5-1.0	.49	.49			
	13-19	2-11- 15	55-60- 74	24-29- 30	1.40-1.65	1.00-10.00	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
	19-29	2- 7- 15	55-64- 74	24-29- 30	1.40-1.63	1.00-10.00	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
	29-34	30-33- 55	17-43- 50	20-24- 28	1.40-1.70	1.00-10.00	0.17-0.19	3.0-5.9	0.0-0.5	.49	.49			
	34-45	30-33- 55	17-43- 50	20-24- 28	1.40-1.70	1.00-10.00	0.17-0.19	3.0-5.9	0.0-0.5	.49	.49			
	45-57	35-44- 50	23-34- 47	18-22- 27	1.40-1.70	1.00-10.00	0.17-0.19	3.0-5.9	0.0-0.5	.49	.49			
	57-80	35-44- 50	23-34- 47	18-22- 27	1.40-1.70	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	100.00-705.00	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					
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	100.00-705.00	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			
777:														
Wapsie	0-13	-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
	13-27	-61-	-19-	12-20- 26	1.45-1.50	1.00-10.00	0.15-0.17	0.0-2.9	0.0-1.0	.24	.24			
	27-60	-92-	- 2-	2- 6- 10	1.50-1.75	100.00-705.00	0.02-0.06	0.0-2.9	0.0-0.5	.10	.10			
777B:														
Wapsie	0-13	-44-	-41-	12-15- 18	1.40-1.45	1.00-10.00	0.18-0.20	0.0-2.9	2.5-3.5	.32	.32	3	5	56
	13-27	-61-	-19-	12-20- 26	1.45-1.50	1.00-10.00	0.15-0.17	0.0-2.9	0.0-1.0	.24	.24			
	27-60	-92-	- 2-	2- 6- 10	1.50-1.75	100.00-705.00	0.02-0.06	0.0-2.9	0.0-0.5	.10	.10			
777C:														
Wapsie	0-13	-44-	-41-	12-15- 18	1.40-1.45	1.00-10.00	0.18-0.20	0.0-2.9	2.5-3.5	.32	.32	3	5	56
	13-27	-61-	-19-	12-20- 26	1.45-1.50	1.00-10.00	0.15-0.17	0.0-2.9	0.0-1.0	.24	.24			
	27-60	-92-	- 2-	2- 6- 10	1.50-1.75	100.00-705.00	0.02-0.06	0.0-2.9	0.0-0.5	.10	.10			
778:														
Sattre	0-12	-26-	-53-	18-21- 24	1.40-1.45	1.00-10.00	0.18-0.20	0.0-2.9	3.0-4.0	.32	.32	3	6	48
	12-36	-40-	-38-	18-23- 28	1.40-1.50	1.00-10.00	0.15-0.17	0.0-2.9	0.5-1.0	.37	.37			
	36-60	-94-	- 1-	2- 5- 8	1.50-1.75	100.00-705.00	0.02-0.06	0.0-2.9	0.0-0.5	.05	.05			
781B:														
Lourdes	0-8	20-40- 40	33-38- 60	20-22- 27	1.45-1.60	1.00-10.00	0.18-0.20	0.0-2.9	3.0-4.0	.28	.28	5	6	48
	8-11	20-37- 40	28-38- 56	24-25- 32	1.45-1.60	1.00-10.00	0.16-0.18	0.0-2.9	0.5-1.0	.37	.37			
	11-15	20-34- 40	25-41- 56	24-25- 35	1.45-1.60	1.00-10.00	0.16-0.18	0.0-2.9	0.5-1.0	.37	.37			

----------	15-18	25-33- 45	20-42- 51	24-25- 35	1.45-1.60	1.00-10.00	0.15-0.17	0.0-2.9	0.0-0.5	.37	.37			
----------	18-22	25-33- 45	20-36- 45	30-31- 35	1.45-1.60	1.00-10.00	0.15-0.17	0.0-2.9	0.0-0.5	.32	.32			
----------	22-31	25-33- 45	20-36- 45	30-31- 35	1.45-1.60	1.00-10.00	0.15-0.17	0.0-2.9	0.0-0.5	.32	.32			
----------	31-44	25-33- 45	20-36- 45	30-31- 35	1.45-1.60	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
----------	44-51	30-33- 40	27-36- 42	28-31- 33	1.60-1.70	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
----------	51-76	30-33- 40	27-36- 42	28-31- 33	1.60-1.70	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.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					
781C:														
Lourdes----------	0-8	20-40- 40	33-38- 60	20-22- 27	1.45-1.60	1.00-10.00	0.18-0.20	0.0-2.9	3.0-4.0	.28	.28	5	6	48
----------	8-11	20-37- 40	28-38- 56	24-25- 32	1.45-1.60	1.00-10.00	0.16-0.18	0.0-2.9	0.5-1.0	.37	.37			
----------	11-15	20-34- 40	25-41- 56	24-25- 35	1.45-1.60	1.00-10.00	0.16-0.18	0.0-2.9	0.5-1.0	.37	.37			
----------	15-18	25-33- 45	20-42- 51	24-25- 35	1.45-1.60	1.00-10.00	0.15-0.17	0.0-2.9	0.0-0.5	.37	.37			
----------	18-22	25-33- 45	20-36- 45	30-31- 35	1.45-1.60	1.00-10.00	0.15-0.17	0.0-2.9	0.0-0.5	.32	.32			
----------	22-31	25-33- 45	20-36- 45	30-31- 35	1.45-1.60	1.00-10.00	0.15-0.17	0.0-2.9	0.0-0.5	.32	.32			
----------	31-44	25-33- 45	20-36- 45	30-31- 35	1.45-1.60	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
----------	44-51	30-33- 40	27-36- 42	28-31- 33	1.60-1.70	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
----------	51-76	30-33- 40	27-36- 42	28-31- 33	1.60-1.70	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
781C2:														
Lourdes, moderately eroded----------	0-8	20-40- 40	33-38- 60	20-22- 27	1.45-1.60	1.00-10.00	0.18-0.20	0.0-2.9	0.5-2.5	.32	.32	5	6	48
----------	8-18	25-33- 45	20-42- 51	24-25- 35	1.45-1.60	1.00-10.00	0.15-0.17	0.0-2.9	0.0-0.5	.37	.37			
----------	18-22	25-33- 45	20-36- 45	30-31- 35	1.45-1.60	1.00-10.00	0.15-0.17	0.0-2.9	0.0-0.5	.32	.32			
----------	22-31	25-33- 45	20-36- 45	30-31- 35	1.45-1.60	1.00-10.00	0.15-0.17	0.0-2.9	0.0-0.5	.32	.32			
----------	31-44	25-33- 45	20-36- 45	30-31- 35	1.45-1.60	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
----------	44-51	30-33- 40	27-36- 42	28-31- 33	1.60-1.70	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
----------	51-76	30-33- 40	27-36- 42	28-31- 33	1.60-1.70	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
782:														
Donnan----------	0-8	20-23- 35	39-54- 62	18-23- 26	1.50-1.55	1.00-10.00	0.20-0.22	1.0-2.9	2.5-3.5	.32	.32	3	6	48
----------	8-13	25-25- 35	39-52- 55	20-23- 26	1.50-1.55	1.00-10.00	0.20-0.22	3.0-5.9	0.5-1.0	.49	.49			
----------	13-18	25-25- 35	39-52- 55	20-23- 26	1.50-1.55	1.00-10.00	0.20-0.22	3.0-5.9	0.5-1.0	.49	.49			
----------	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			
782B:														
Donnan----------	0-8	20-23- 35	39-54- 62	18-23- 26	1.50-1.55	1.00-10.00	0.20-0.22	1.0-2.9	2.5-3.5	.32	.32	3	6	48
----------	8-13	25-25- 35	39-52- 55	20-23- 26	1.50-1.55	1.00-10.00	0.20-0.22	3.0-5.9	0.5-1.0	.49	.49			
----------	13-18	25-25- 35	39-52- 55	20-23- 26	1.50-1.55	1.00-10.00	0.20-0.22	3.0-5.9	0.5-1.0	.49	.49			
----------	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			

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					
783B:														
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			
783C:														
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			
784B:														
Riceville----------	0-6	20-20- 30	43-55- 60	20-25- 27	1.45-1.50	1.00-10.00	0.18-0.20	0.0-2.9	3.0-4.0	.28	.28	5	6	48
----------	6-9	20-20- 30	43-55- 60	20-25- 27	1.50-1.60	1.00-10.00	0.17-0.19	3.0-5.9	1.0-2.0	.43	.43			
----------	9-15	20-20- 40	28-55- 60	20-25- 32	1.50-1.60	1.00-10.00	0.17-0.19	0.0-2.9	1.0-2.0	.43	.43			
----------	15-20	25-35- 40	25-33- 48	27-32- 35	1.60-1.75	1.00-10.00	0.05-0.10	0.0-2.9	0.0-1.0	.32	.32			
----------	20-27	30-35- 40	22-33- 40	30-32- 38	1.60-1.75	1.00-10.00	0.05-0.10	0.0-2.9	0.0-1.0	.32	.32			
----------	27-42	30-35- 40	22-33- 40	30-32- 38	1.60-1.75	1.00-10.00	0.05-0.10	0.0-2.9	0.0-1.0	.32	.32			
----------	42-60	30-35- 40	25-33- 42	28-32- 35	1.60-1.75	1.00-10.00	0.05-0.10	3.0-5.9	0.0-1.0	.32	.32			
797:														
Jameston----------	0-14	15-20- 25	40-52- 59	26-28- 35	1.40-1.45	1.00-10.00	0.21-0.23	0.0-2.9	7.0-8.0	.28	.28	5	6	48
----------	14-22	15-20- 25	40-50- 59	26-30- 35	1.40-1.45	1.00-10.00	0.21-0.23	3.0-5.9	2.0-3.0	.37	.37			
----------	22-25	30-35- 45	25-47- 58	12-18- 30	1.50-1.70	1.00-10.00	0.17-0.19	0.0-2.9	0.0-1.0	.43	.43			
----------	25-34	30-35- 45	20-34- 40	30-31- 35	1.50-1.70	1.00-10.00	0.17-0.19	3.0-5.9	0.0-1.0	.32	.32			
----------	34-42	30-35- 45	20-34- 40	30-31- 35	1.50-1.70	1.00-10.00	0.17-0.19	3.0-5.9	0.0-1.0	.32	.32			
----------	42-53	30-35- 45	20-34- 40	30-31- 35	1.50-1.70	1.00-10.00	0.17-0.19	3.0-5.9	0.0-1.0	.32	.32			
----------	53-60	30-35- 45	20-33- 40	28-32- 35	1.75-1.85	1.00-10.00	0.17-0.19	3.0-5.9	0.0-0.5	.32	.32			
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			

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					
804:														
Ashdale----------	0-7	- 9-	-67-	20-24- 27	1.20-1.40	1.00-10.00	0.22-0.25	0.0-2.9	3.5-4.5	.37	.37	3	6	48
----------	7-10	- 9-	-67-	20-24- 27	1.20-1.40	1.00-10.00	0.22-0.25	0.0-2.9	3.0-4.0	.43	.43			
----------	10-15	- 9-	-67-	20-24- 27	1.20-1.40	1.00-10.00	0.22-0.25	0.0-2.9	3.0-4.0	.32	.32			
----------	15-23	- 7-	-62-	25-31- 35	1.35-1.60	1.00-10.00	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
----------	23-43	- 7-	-62-	25-31- 35	1.35-1.60	1.00-10.00	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
----------	43-51	-10-	-30-	55-60- 75	1.25-1.45	0.01-0.10	0.09-0.13	6.0-8.9	0.0-0.5	.24	.24			
----------	51-60	--	--	--	---	10.00-100.00	---	---	---	---	---			
804B:														
Ashdale----------	0-7	- 9-	-67-	20-24- 27	1.20-1.40	1.00-10.00	0.22-0.25	0.0-2.9	3.5-4.5	.37	.37	3	6	48
----------	7-10	- 9-	-67-	20-24- 27	1.20-1.40	1.00-10.00	0.22-0.25	0.0-2.9	3.0-4.0	.43	.43			
----------	10-15	- 9-	-67-	20-24- 27	1.20-1.40	1.00-10.00	0.22-0.25	0.0-2.9	3.0-4.0	.32	.32			
----------	15-23	- 7-	-62-	25-31- 35	1.35-1.60	1.00-10.00	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
----------	23-43	- 7-	-62-	25-31- 35	1.35-1.60	1.00-10.00	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
----------	43-51	-10-	-30-	55-60- 75	1.25-1.45	0.01-0.10	0.09-0.13	6.0-8.9	0.0-0.5	.24	.24			
----------	51-60	--	--	--	---	10.00-100.00	---	---	---	---	---			
805B:														
Roseville----------	0-4	15-26- 45	34-52- 67	18-22- 25	1.30-1.45	1.00-10.00	0.22-0.24	1.7-3.0	2.0-3.0	.28	.28	2	6	48

	4-9	15-26- 45	34-52- 67	18-22- 25	1.30-1.45	1.00-10.00	0.22-0.24	1.6-3.0	1.0-3.0	.37	.37			
	9-17	15-26- 45	34-52- 67	18-22- 25	1.30-1.45	1.00-10.00	0.22-0.24	1.5-2.6	0.5-1.0	.43	.43			
	17-21	15-26- 45	34-52- 67	18-22- 25	1.30-1.45	1.00-10.00	0.22-0.24	1.5-2.4	0.3-0.8	.49	.49			
	21-25	20-38- 45	20-36- 57	18-27- 35	1.40-1.55	1.00-10.00	0.17-0.19	1.4-3.9	0.0-0.5	.43	.43			
	25-33	20-55- 65	0-27- 58	18-18- 35	1.40-1.55	10.00-100.00	0.17-0.19	1.4-3.9	0.0-0.5	.37	.37			
	33-40	20-50- 70	0-18- 52	18-32- 35	1.40-1.55	1.00-10.00	0.17-0.19	1.4-3.9	0.0-0.5	.28	.28			
	40-44	0-25- 45	0-27- 62	35-48- 60	1.35-1.45	0.01-0.10	0.15-0.19	2.7-8.3	0.0-0.5	.28	.28			
	44-79	--	--	--	---	10.00-100.00	---	---	---	---	---			
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	---	---	---	---	---			
813B:														
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	---	---	---	---	---			

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					
904:														
Nasset	0-6	-11-	-68-	18-21- 24	1.25-1.30	1.00-10.00	0.21-0.23	3.0-5.9	3.0-4.0	.43	.43	3	6	48
	6-12	-11-	-68-	18-21- 24	1.25-1.30	1.00-10.00	0.21-0.23	3.0-5.9	3.0-4.0	.43	.43			
	12-17	-11-	-68-	18-21- 24	1.30-1.35	1.00-10.00	0.18-0.20	3.0-5.9	1.0-2.0	.49	.49			
	17-27	- 7-	-63-	26-30- 34	1.30-1.35	1.00-10.00	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
	27-37	-11-	-68-	18-21- 24	1.30-1.35	1.00-10.00	0.18-0.20	3.0-5.9	1.0-2.0	.55	.55			
	37-44	-23-	-29-	40-48- 55	1.50-1.60	0.01-0.10	0.12-0.15	6.0-8.9	0.0-0.5	.28	.28			
	44-80	--	--	--	---	10.00-100.00	---	---	---	---	---			
904B:														
Nasset	0-11	-11-	-68-	18-21- 24	1.25-1.30	1.00-10.00	0.21-0.23	3.0-5.9	2.5-3.5	.43	.43	3	6	48
	11-40	- 7-	-63-	26-30- 34	1.30-1.35	1.00-10.00	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
	40-48	-23-	-29-	40-48- 55	1.50-1.60	0.01-0.10	0.12-0.15	6.0-8.9	0.0-0.5	.28	.28			
	48-60	--	--	--	---	10.00-100.00	---	---	---	---	---			
913:														
Waucoma	0-6	15-26- 45	28-52- 70	15-22- 27	1.30-1.45	1.00-10.00	0.20-0.22	1.4-3.7	1.5-3.5	.32	.32	3	6	48
	6-12	15-33- 45	28-45- 70	15-22- 27	1.40-1.55	1.00-10.00	0.17-0.22	1.4-3.7	1.0-2.0	.37	.37			
	12-17	15-39- 45	28-39- 65	20-22- 27	1.40-1.55	1.00-10.00	0.17-0.22	2.2-3.7	1.0-2.0	.32	.32			
	17-30	30-34- 80	0-40- 50	20-26- 30	1.45-1.60	1.00-10.00	0.15-0.19	1.9-4.2	0.0-1.0	.37	.37			
	30-45	30-34- 80	0-40- 50	20-26- 30	1.45-1.60	1.00-10.00	0.15-0.19	1.9-4.2	0.0-1.0	.43	.43			
	45-55	0-29- 45	20-29- 65	35-42- 55	1.50-1.60	0.01-1.00	0.08-0.16	3.4-9.6	0.0-0.5	.28	.28			
	55-79	--	--	--	---	0.00-10.00	---	---	---	---	---			
913B:														
Waucoma	0-6	15-26- 45	28-52- 70	15-22- 27	1.30-1.45	1.00-10.00	0.20-0.22	1.4-3.7	1.5-3.5	.32	.32	3	6	48
	6-12	15-33- 45	28-45- 70	15-22- 27	1.40-1.55	1.00-10.00	0.17-0.22	1.4-3.7	1.0-2.0	.37	.37			
	12-17	15-39- 45	28-39- 65	20-22- 27	1.40-1.55	1.00-10.00	0.17-0.22	2.2-3.7	1.0-2.0	.32	.32			
	17-30	30-34- 80	0-40- 50	20-26- 30	1.45-1.60	1.00-10.00	0.15-0.19	1.9-4.2	0.0-1.0	.37	.37			
	30-45	30-34- 80	0-40- 50	20-26- 30	1.45-1.60	1.00-10.00	0.15-0.19	1.9-4.2	0.0-1.0	.43	.43			
	45-55	0-29- 45	20-29- 65	35-42- 55	1.50-1.60	0.01-1.00	0.08-0.16	3.4-9.6	0.0-0.5	.28	.28			
	55-79	--	--	--	---	0.00-10.00	---	---	---	---	---			
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			

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					
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			
1537:														
Du Page, Channeled, frequently flooded	0-30	-40-	-38-	18-23- 27	1.40-1.60	1.00-10.00	0.22-0.24	3.0-5.9	4.0-6.0	.24	.24	5	4L	86
	30-60	-40-	-38-	18-23- 27	1.45-1.65	1.00-10.00	0.10-0.20	0.0-2.9	0.1-2.0	.37	.37			
Shellwood, Channeled, frequently flooded	0-56	-66-	-19-	12-15- 18	1.50-1.70	10.00-100.00	0.14-0.16	0.0-2.9	2.0-3.0	.15	.15	5	3	86
	56-60	-66-	-23-	8-11- 14	1.50-1.70	10.00-100.00	0.10-0.12	0.0-2.9	0.0-1.0	.28	.28			
Calco, Channeled, frequently flooded	0-29	- 7-	-63-	28-31- 33	1.25-1.30	1.00-10.00	0.21-0.23	6.0-8.9	5.0-7.0	.32	.32	5	4L	86
	29-44	- 7-	-61-	30-33- 35	1.25-1.30	1.00-10.00	0.21-0.23	6.0-8.9	3.0-5.0	.32	.32			
	44-60	- 7-	-65-	22-28- 32	1.30-1.45	1.00-10.00	0.18-0.20	3.0-5.9	1.0-3.0	.43	.43			
1936:														
Spillville, Channeled, frequently flooded	0-20	-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
	20-60	-43-	-38-	14-19- 24	1.55-1.70	1.00-10.00	0.15-0.18	0.0-2.9	2.0-3.0	.32	.32			
Hanlon, Channeled, frequently flooded	0-7	-66-	-19-	12-15- 18	1.45-1.55	10.00-100.00	0.16-0.18	0.0-2.9	2.0-3.0	.15	.15	5	3	86
	7-50	-65-	-20-	12-15- 18	1.45-1.55	10.00-100.00	0.16-0.18	0.0-2.9	1.0-2.0	.24	.24			
	50-69	-69-	-24-	5- 8- 10	1.55-1.70	10.00-100.00	0.11-0.13	0.0-2.9	1.0-2.0	.28	.28			
	69-80	-46-	-44-	2-10- 18	1.55-1.70	1.00-10.00	0.12-0.19	0.0-2.9	0.0-1.0	.49	.49			
Coland, Channeled, frequently flooded	0-33	-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
	33-49	-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			
	49-60	-43-	-38-	12-19- 26	1.50-1.65	1.00-10.00	0.13-0.17	0.0-2.9	0.0-2.0	.37	.37			
5010:														
Pits, sand and gravel	---	--	--	--	---	---	---	---	---	---	---	--	---	---
5030:														
Pits, limestone quarry	---	--	--	--	---	---	---	---	---	---	---	--	---	---

Physical Soil Properties

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk	Saturated hydraulic	Available water	Linear extensi-	Organic matter	Erosion factors			Wind erodi-bility	Wind erodi-bility

					density	conductivity	capacity	bility		Kw	Kf	T	group	index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
5040:														
Udorthents, loamy----	---	--	--	--	---	---	---	---	---	---	---	5	---	---
5080:														
Udorthents----------	---	--	--	--	---	---	---	---	---	---	---	5	---	---
AW:														
Animal waste lagoon--	---	--	--	--	---	---	---	---	---	---	---	--	---	---
BW:														
Built wetland--------	---	--	--	--	---	---	---	---	---	---	---	--	---	---
C235:														
Coland, frequently flooded, channeled--	0-32	-20-	-49-	27-31- 35	1.40-1.50	1.00-10.00	0.20-0.22	3.0-5.9	5.0-7.0	.32	.32	5	6	48
----------	32-40	-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			
----------	40-60	-66-	-15-	12-19- 26	1.50-1.65	10.00-100.00	0.13-0.17	0.0-2.9	0.0-2.0	.17	.17			
Turlin, frequently flooded, channeled--	0-28	-26-	-52-	18-22- 26	1.45-1.55	1.00-10.00	0.20-0.22	0.0-2.9	4.4-7.0	.28	.28	5	6	48
----------	28-48	-39-	-37-	20-24- 28	1.55-1.65	1.00-10.00	0.17-0.19	0.0-2.9	2.0-3.0	.28	.28			
----------	48-60	-67-	-20-	8-13- 18	1.65-1.70	10.00-100.00	0.08-0.17	0.0-2.9	0.0-1.0	.24	.24			
C315:														
Alluvial land, frequently flooded, channeled----------	0-60	-20-	-58-	18-23- 27	1.25-1.35	1.00-10.00	0.20-0.23	0.0-2.9	0.5-2.5	.43	.43	5	6	48
INT:														
Intermittent water---	---	--	--	--	---	---	---	---	---	---	---	--	---	---
M162B:														
Downs----------	0-8	0- 3- 10	64-74- 81	19-23- 26	1.35-1.43	1.00-10.00	0.18-0.22	3.0-5.9	2.5-3.5	.37	.37	5	6	48
----------	8-12	0- 3- 10	64-72- 81	19-25- 26	1.39-1.46	1.00-10.00	0.16-0.20	3.0-5.9	1.0-2.0	.43	.43			
----------	12-17	0- 3- 10	64-72- 81	19-25- 26	1.27-1.38	1.00-10.00	0.16-0.20	3.0-5.9	0.5-1.5	.49	.49			
----------	17-24	0- 3- 10	58-67- 76	24-30- 32	1.41-1.48	1.00-10.00	0.16-0.20	3.0-5.9	0.5-1.0	.49	.49			
----------	24-33	0- 3- 10	58-66- 76	24-31- 32	1.43-1.48	1.00-10.00	0.16-0.20	3.0-5.9	0.5-1.0	.43	.43			
----------	33-39	0- 3- 10	58-68- 76	24-29- 32	1.46-1.46	1.00-10.00	0.16-0.20	3.0-5.9	0.3-0.8	.49	.49			
----------	39-48	0- 5- 10	63-69- 80	20-26- 27	1.34-1.35	1.00-10.00	0.15-0.19	3.0-5.9	0.0-0.5	.49	.49			
----------	48-79	0- 5- 10	63-69- 80	20-26- 27	1.34-1.35	1.00-10.00	0.15-0.19	3.0-5.9	0.0-0.5	.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					
M162C2:														
Downs, eroded--------	0-6	0- 3- 10	64-74- 81	19-23- 26	1.35-1.43	1.00-10.00	0.17-0.21	3.0-5.9	2.0-3.0	.37	.37	5	6	48
----------	6-12	0- 3- 10	64-72- 81	19-25- 26	1.27-1.38	1.00-10.00	0.16-0.20	3.0-5.9	0.5-1.5	.49	.49			
----------	12-24	0- 3- 10	58-67- 76	24-30- 32	1.41-1.48	1.00-10.00	0.16-0.20	3.0-5.9	0.5-1.0	.49	.49			
----------	24-33	0- 3- 10	58-66- 76	24-31- 32	1.43-1.48	1.00-10.00	0.16-0.20	3.0-5.9	0.5-1.0	.43	.43			
----------	33-39	0- 3- 10	58-68- 76	24-29- 32	1.46-1.46	1.00-10.00	0.16-0.20	3.0-5.9	0.3-0.8	.49	.49			
----------	39-48	0- 5- 10	63-69- 80	20-26- 27	1.34-1.35	1.00-10.00	0.15-0.19	3.0-5.9	0.0-0.5	.49	.49			
----------	48-79	0- 5- 10	63-69- 80	20-26- 27	1.34-1.35	1.00-10.00	0.15-0.19	3.0-5.9	0.0-0.5	.49	.49			
M162D2:														
Downs, eroded--------	0-6	0- 3- 10	64-74- 81	19-23- 26	1.35-1.43	1.00-10.00	0.17-0.21	3.0-5.9	2.0-3.0	.37	.37	5	6	48
----------	6-12	0- 3- 10	64-72- 81	19-25- 26	1.27-1.38	1.00-10.00	0.16-0.20	3.0-5.9	0.5-1.5	.49	.49			
----------	12-24	0- 3- 10	58-67- 76	24-30- 32	1.41-1.48	1.00-10.00	0.16-0.20	3.0-5.9	0.5-1.0	.49	.49			
----------	24-33	0- 3- 10	58-66- 76	24-31- 32	1.43-1.48	1.00-10.00	0.16-0.20	3.0-5.9	0.5-1.0	.43	.43			
----------	33-39	0- 3- 10	58-68- 76	24-29- 32	1.46-1.46	1.00-10.00	0.16-0.20	3.0-5.9	0.3-0.8	.49	.49			
----------	39-48	0- 5- 10	63-69- 80	20-26- 27	1.34-1.35	1.00-10.00	0.15-0.19	3.0-5.9	0.0-0.5	.49	.49			
----------	48-79	0- 5- 10	63-69- 80	20-26- 27	1.34-1.35	1.00-10.00	0.15-0.19	3.0-5.9	0.0-0.5	.49	.49			
M163B:														
Fayette----------	0-8	1- 5- 13	60-75- 84	15-20- 27	1.39-1.50	1.00-10.00	0.18-0.22	1.6-3.8	2.0-3.5	.37	.37	5	6	48
----------	8-11	1- 3- 15	60-77- 84	15-20- 25	1.39-1.50	1.00-10.00	0.16-0.20	1.5-3.3	0.5-1.5	.49	.49			
----------	11-14	1- 3- 5	60-72- 78	21-25- 35	1.39-1.50	1.00-10.00	0.15-0.19	2.5-5.2	0.3-1.0	.49	.49			
----------	14-26	1- 3- 5	60-66- 75	24-31- 35	1.30-1.56	1.00-10.00	0.16-0.20	2.8-5.2	0.0-1.0	.43	.43			
----------	26-34	1- 3- 5	60-67- 75	24-30- 35	1.30-1.56	1.00-10.00	0.16-0.20	1.9-3.9	0.0-0.5	.49	.49			
----------	34-47	1- 3- 5	62-69- 79	20-28- 33	1.30-1.55	1.00-10.00	0.16-0.20	1.4-3.6	0.0-0.5	.49	.49			
----------	47-79	1- 4- 5	65-70- 81	18-26- 30	1.30-1.55	1.00-10.00	0.15-0.19	1.7-4.1	0.0-0.5	.49	.49			
M163C2:														
Fayette, eroded------	0-8	1- 5- 13	60-75- 84	15-20- 27	1.37-1.47	1.00-10.00	0.18-0.22	0.0-2.9	1.0-3.0	.43	.43	5	6	48
----------	8-11	1- 3- 5	60-72- 78	21-25- 35	1.39-1.50	1.00-10.00	0.15-0.19	3.0-5.9	0.3-1.0	.49	.49			
----------	11-23	1- 3- 5	60-66- 75	24-31- 35	1.30-1.56	1.00-10.00	0.16-0.20	3.0-5.9	0.0-1.0	.43	.43			
----------	23-31	1- 3- 5	60-67- 75	24-30- 35	1.30-1.56	1.00-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.49	.49			
----------	31-44	1- 3- 5	62-69- 79	20-28- 33	1.30-1.55	1.00-10.00	0.16-0.20	0.0-2.9	0.0-0.5	.49	.49			
----------	44-79	1- 4- 5	65-70- 81	18-26- 30	1.30-1.55	1.00-10.00	0.15-0.19	3.0-5.9	0.0-0.5	.49	.49			
SL:														
Sewage lagoon--------	---	--	--	--	---	---	---	---	---	---	---	--	---	---
W:														
Water----------	---	--	--	--	---	---	---	---	---	---	---	--	---	---