Wapello County, Iowa
Physical Soil Properties

Print date: 11/30/2016

(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					
7:														
Wiota, rarely flooded	0-20	- 9-	-67-	20-24- 27	1.30-1.35	1.00-10.00	0.21-0.23	0.0-2.9	3.5-4.5	.32	.32	5	6	48
----------	20-50	- 7-	-60-	30-33- 36	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	2.0-3.0	.37	.37			
----------	50-72	- 9-	-62-	25-30- 34	1.40-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
11B:														
Colo----------	0-8	1- 6- 20	49-64- 73	24-30- 35	1.22-1.36	1.00-10.00	0.15-0.18	3.0-5.9	4.0-7.0	.28	.28	5	6	48
----------	8-14	1- 6- 15	52-64- 73	24-30- 35	1.25-1.36	1.00-10.00	0.15-0.19	3.0-5.9	3.0-4.0	.32	.32			
----------	14-34	1- 6- 15	50-61- 72	27-33- 35	1.26-1.30	1.00-10.00	0.15-0.18	3.0-5.9	3.0-4.0	.28	.28			
----------	34-40	1- 6- 15	50-61- 72	27-33- 35	1.22-1.36	1.00-10.00	0.15-0.18	3.0-5.9	3.0-4.0	.32	.32			
----------	40-46	1- 8- 15	50-58- 68	30-34- 35	1.20-1.34	1.00-10.00	0.15-0.18	3.0-5.9	3.0-4.0	.32	.32			
----------	46-52	1- 8- 15	50-60- 69	30-32- 35	1.34-1.41	1.00-10.00	0.16-0.20	3.0-5.9	1.0-2.0	.43	.43			
----------	52-79	1- 8- 30	42-61- 74	25-31- 35	1.35-1.40	1.00-10.00	0.16-0.22	3.0-5.9	1.0-2.0	.43	.43			
Ely----------	0-8	1- 4- 20	51-68- 79	20-28- 35	1.29-1.33	1.00-10.00	0.15-0.19	3.0-5.9	4.0-6.0	.32	.32	5	6	48
----------	8-24	1- 4- 15	53-68- 79	20-28- 35	1.23-1.33	1.00-10.00	0.15-0.19	3.0-5.9	3.0-4.0	.32	.32			
----------	24-32	1- 4- 15	54-67- 75	24-29- 35	1.29-1.34	1.00-10.00	0.15-0.19	3.0-5.9	3.0-4.0	.37	.37			
----------	32-47	1- 5- 15	53-64- 72	27-31- 35	1.34-1.38	1.00-10.00	0.16-0.20	3.0-5.9	1.0-3.0	.43	.43			
----------	47-58	1- 6- 15	54-67- 75	24-27- 35	1.25-1.41	1.00-10.00	0.17-0.21	3.0-5.9	0.5-1.0	.49	.49			
----------	58-79	1- 6- 15	52-67- 81	18-27- 35	1.36-1.37	1.00-10.00	0.18-0.22	3.0-5.9	0.5-1.0	.49	.49			
13B:														
Humeston, Frequently flooded----------	0-8	5-15- 20	-59-	24-26- 30	1.35-1.45	1.00-10.00	0.21-0.23	3.0-5.9	3.0-4.0	.37	.37	5	6	48
----------	8-13	5-15- 20	-59-	24-26- 30	1.45-1.55	1.00-10.00	0.22-0.24	3.0-5.9	3.0-4.0	.32	.32			
----------	13-22	5-15- 20	-62-	20-23- 26	1.45-1.55	1.00-10.00	0.22-0.24	3.0-5.9	1.0-2.0	.49	.49			
----------	22-26	5-13- 20	-55-	30-33- 35	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.5-1.5	.43	.43			
----------	26-50	5- 8- 10	-54-	35-39- 48	1.30-1.50	0.10-1.00	0.13-0.18	6.0-8.9	1.0-1.5	.37	.37			
----------	50-60	5-10- 20	-56-	30-34- 38	1.40-1.50	1.00-10.00	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
Colo, Frequently flooded----------	0-8	2- 7- 25	40-62- 74	27-32- 35	1.28-1.32	1.00-10.00	0.21-0.23	3.0-5.9	5.0-7.0	.28	.28	5	6	48
----------	8-40	2- 7- 25	40-61- 74	30-33- 35	1.25-1.35	1.00-10.00	0.18-0.20	3.0-5.9	3.0-4.0	.37	.37			
----------	40-46	0- 7- 15	50-61- 70	30-33- 35	1.25-1.35	1.00-10.00	0.18-0.20	3.0-5.9	3.0-4.0	.37	.37			
----------	46-52	0- 7- 15	50-63- 70	25-30- 35	1.35-1.45	1.00-10.00	0.18-0.20	2.6-5.8	1.0-2.0	.43	.43			
----------	52-60	5- 7- 30	35-67- 70	22-26- 35	1.35-1.45	1.00-10.00	0.18-0.20	2.6-5.8	1.0-2.0	.43	.43			
Vesser, rarely flooded----------	0-15	-10-	-68-	20-23- 26	1.30-1.35	1.00-10.00	0.20-0.24	3.0-5.9	2.5-3.5	.37	.37	5	6	48
----------	15-30	-11-	-69-	18-20- 22	1.35-1.40	1.00-10.00	0.18-0.22	3.0-5.9	1.0-2.0	.49	.49			
----------	30-60	- 7-	-61-	30-33- 35	1.40-1.45	1.00-10.00	0.17-0.21	3.0-5.9	0.0-1.0	.43	.43			

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					
23C:														
Arispe----------	0-8	0- 4- 8	54-63- 72	28-33- 38	1.39-1.43	1.00-10.00	0.18-0.21	3.7-7.0	3.0-4.0	.28	.28	5	6	48
----------	8-13	0- 4- 8	54-62- 72	28-34- 38	1.29-1.37	1.00-10.00	0.21-0.23	3.7-7.0	2.0-3.0	.32	.32			
----------	13-53	0- 3- 5	54-58- 62	38-39- 42	1.38-1.43	0.10-1.00	0.18-0.20	6.6-7.8	0.5-1.0	.37	.37			
----------	53-79	0- 3- 5	60-67- 76	24-30- 35	1.36-1.39	1.00-10.00	0.18-0.20	2.6-5.9	0.0-0.5	.49	.49			
23C2:														
Arispe----------	0-8	0- 4- 8	54-63- 72	28-33- 38	1.40-1.43	1.00-10.00	0.18-0.22	3.7-7.0	2.0-3.5	.37	.37	5	6	48
----------	8-49	0- 3- 5	54-58- 62	38-39- 42	1.38-1.43	0.10-1.00	0.18-0.20	6.6-7.8	0.5-1.0	.37	.37			
----------	49-79	0- 3- 5	60-67- 76	24-30- 35	1.36-1.39	1.00-10.00	0.18-0.20	2.6-5.9	0.0-0.5	.49	.49			
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			
41E:														
Sparta----------	0-8	80-87- 95	0- 7- 17	3- 6- 10	1.20-1.40	10.00-100.00	0.09-0.12	0.0-0.0	1.0-2.0	.17	.17	5	2	134
----------	8-15	80-87- 95	0- 7- 17	3- 6- 10	1.20-1.40	10.00-100.00	0.09-0.12	0.0-0.0	0.5-1.0	.24	.24			
----------	15-72	80-95- 98	0- 1- 19	1- 4- 8	1.40-1.60	100.00-705.0 0	0.05-0.11	0.0-0.0	0.0-0.5	.10	.10			
----------	72-80	90-97-100	0- 1- 10	0- 2- 5	1.50-1.70	100.00-705.0 0	0.04-0.07	0.0-0.0	0.0-0.5	.10	.10			
51:														
Vesser, occasionally flooded----------	0-13	-10-	-68-	20-23- 26	1.30-1.35	1.00-10.00	0.20-0.24	1.0-2.9	3.0-4.0	.37	.37	5	6	48
----------	13-31	-11-	-69-	18-20- 22	1.35-1.40	1.00-10.00	0.18-0.22	0.4-1.6	1.0-2.0	.49	.49			
----------	31-80	- 7-	-61-	30-33- 35	1.40-1.45	1.00-10.00	0.17-0.21	3.0-5.9	0.0-1.0	.43	.43			
54:														
Zook, occasionally flooded----------	0-7	1- 8- 14	-59-	32-34- 45	1.30-1.35	1.00-10.00	0.21-0.23	3.0-5.9	5.0-7.0	.28	.28	5	6	48
----------	7-20	1- 8- 14	-57-	32-36- 45	1.30-1.35	0.10-1.00	0.21-0.23	3.0-5.9	5.0-7.0	.32	.32			
----------	20-38	1- 8- 14	-52-	32-41- 45	1.30-1.45	0.01-0.10	0.11-0.13	6.0-8.9	3.0-5.0	.32	.32			
----------	38-61	1- 8- 14	-55-	36-38- 45	1.30-1.45	0.10-1.00	0.18-0.20	6.0-8.9	2.0-4.0	.32	.32			
----------	61-80	1- 8- 14	-60-	20-33- 45	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			

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					
56B:														
Cantril----------	0-17	-42-	-38-	14-21- 27	1.40-1.45	1.00-10.00	0.17-0.19	0.0-2.9	2.5-3.5	.28	.28	5	6	48
----------	17-60	-35-	-34-	27-31- 35	1.45-1.75	1.00-10.00	0.14-0.16	3.0-5.9	0.0-1.0	.32	.32			
58D2:														
Douds, moderately eroded----------	0-8	5-37- 40	30-41- 60	20-22- 32	1.45-1.50	1.00-10.00	0.15-0.17	0.0-2.9	1.0-2.0	.32	.32	5	6	48
----------	8-48	30-38- 60	10-32- 50	15-30- 35	1.45-1.65	1.00-10.00	0.15-0.17	0.0-2.9	0.0-1.0	.32	.32			
----------	48-79	40-55- 80	10-23- 40	10-22- 30	1.55-1.75	1.00-10.00	0.11-0.13	0.0-2.9	0.0-0.5	.28	.28			
58E:														
Douds----------	0-8	5-36- 40	30-42- 65	20-22- 32	1.40-1.48	1.00-10.00	0.15-0.17	2.4-4.7	1.0-2.0	.32	.32	5	6	48
----------	8-14	30-37- 45	33-39- 48	22-24- 32	1.38-1.47	1.00-10.00	0.15-0.17	2.8-4.7	1.0-2.0	.37	.37			
----------	14-48	30-38- 60	22-32- 53	15-30- 35	1.44-1.61	1.00-10.00	0.15-0.17	1.3-5.1	0.0-1.0	.32	.32			
----------	48-64	45-55- 60	22-27- 40	15-18- 20	1.51-1.57	1.00-10.00	0.11-0.13	1.3-2.3	0.0-0.5	.32	.32			
----------	64-79	40-55- 80	10-23- 40	10-22- 30	1.50-1.75	1.00-10.00	0.11-0.13	0.8-4.0	0.0-0.5	.28	.28			
58E2:														
Douds, moderately eroded----------	0-8	5-36- 40	30-42- 65	20-22- 32	1.40-1.48	1.00-10.00	0.15-0.17	2.0-4.0	1.0-2.0	.32	.32	5	6	48
----------	8-11	30-37- 45	33-39- 48	22-24- 32	1.38-1.47	1.00-10.00	0.15-0.17	2.2-4.0	1.0-2.0	.37	.37			
----------	11-48	30-38- 60	22-32- 53	15-30- 35	1.44-1.61	1.00-10.00	0.15-0.17	1.1-3.8	0.0-1.0	.32	.32			
----------	48-64	45-55- 60	22-27- 40	15-18- 20	1.51-1.57	1.00-10.00	0.11-0.13	1.1-1.8	0.0-0.5	.32	.32			
----------	64-79	40-55- 80	10-23- 40	10-22- 30	1.50-1.75	1.00-10.00	0.11-0.13	0.7-3.1	0.0-0.5	.28	.28			

58G:															
Douds----------	0-4	5-35- 40	30-45- 60	20-20- 26	1.45-1.50	1.00-10.00	0.15-0.17	0.0-2.9	2.0-3.0	.32	.32	5	6	48
----------	4-9	5-35- 40	30-45- 60	20-20- 26	1.45-1.50	1.00-10.00	0.15-0.17	0.0-2.9	1.0-2.0	.43	.43			
----------	9-59	30-38- 60	10-32- 50	15-30- 35	1.45-1.65	1.00-10.00	0.15-0.17	0.0-2.9	0.0-1.0	.32	.32			
----------	59-79	40-55- 80	10-23- 40	10-22- 30	1.55-1.75	1.00-10.00	0.11-0.13	0.0-2.9	0.0-0.5	.28	.28			
65E:															
Lindley----------	0-9	35-45- 52	30-33- 47	18-22- 27	1.37-1.54	4.00-14.00	0.20-0.22	1.3-2.8	1.0-3.0	.28	.28	5	6	48
----------	9-13	35-40- 52	30-37- 46	18-23- 27	1.57-1.61	4.20-14.00	0.19-0.21	1.1-2.6	0.3-1.0	.37	.37			
----------	13-30	22-39- 51	15-28- 48	24-33- 35	1.35-1.55	1.40-4.00	0.15-0.17	2.7-5.2	0.1-1.0	.28	.28			
----------	30-79	22-40- 51	17-30- 51	20-30- 32	1.46-1.64	1.40-4.00	0.14-0.16	2.1-4.5	0.1-0.5	.28	.28			
65E2:															
Lindley, moderately eroded----------	0-8	35-45- 52	30-33- 47	18-22- 27	1.44-1.48	4.00-14.00	0.20-0.22	0.9-1.9	1.0-2.0	.37	.37	5	5	56
----------	8-30	22-39- 51	15-28- 48	24-33- 35	1.35-1.55	1.40-4.00	0.15-0.17	2.7-5.2	0.1-1.0	.28	.28			
----------	30-79	22-40- 51	17-30- 51	20-30- 32	1.46-1.64	1.40-4.00	0.14-0.16	2.1-4.5	0.1-0.5	.28	.28			
65F:															
Lindley----------	0-8	35-45- 52	30-33- 47	18-22- 27	1.44-1.48	4.00-14.00	0.20-0.22	0.9-1.9	1.0-3.0	.28	.28	5	6	48
----------	8-30	22-39- 51	15-28- 48	24-33- 35	1.35-1.55	1.40-4.00	0.15-0.17	2.7-5.2	0.1-1.0	.28	.28			
----------	30-79	22-40- 51	17-30- 51	20-30- 32	1.46-1.64	1.40-4.00	0.14-0.16	2.1-4.5	0.1-0.5	.28	.28			

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					
65G:														
Lindley----------	0-5	35-40- 52	30-37- 46	18-23- 27	1.44-1.48	4.00-14.00	0.20-0.22	0.9-1.9	2.0-3.0	.24	.24	5	6	48
----------	5-8	35-40- 52	30-37- 46	18-23- 27	1.57-1.61	4.00-14.00	0.19-0.21	0.7-1.7	0.3-1.0	.37	.37			
----------	8-30	22-39- 51	15-28- 48	24-33- 35	1.35-1.55	1.40-4.00	0.15-0.17	2.7-5.2	0.5-1.5	.24	.24			
----------	30-79	22-40- 51	17-30- 51	20-30- 32	1.46-1.64	1.40-4.00	0.14-0.16	2.1-4.5	0.1-0.5	.28	.28			
75B:														
Givin----------	0-11	-26-	-52-	18-22- 26	1.30-1.40	1.00-10.00	0.22-0.24	3.0-5.9	2.5-3.5	.37	.37	5	6	48
----------	11-32	- 7-	-54-	36-39- 42	1.30-1.45	0.10-1.00	0.18-0.20	3.0-5.9	0.5-1.0	.37	.37			
----------	32-60	-17-	-52-	27-31- 34	1.40-1.50	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
76B:														
Ladoga----------	0-7	1- 2- 5	60-73- 81	18-25- 35	1.29-1.36	1.00-10.00	0.18-0.22	3.0-5.9	2.5-3.5	.37	.37	5	6	48
----------	7-10	1- 2- 5	65-74- 84	15-24- 30	1.39-1.42	1.00-10.00	0.17-0.21	0.0-2.9	1.5-2.5	.49	.49			
----------	10-14	1- 2- 5	60-70- 79	20-28- 35	1.35-1.36	1.00-10.00	0.17-0.21	3.0-5.9	0.5-1.5	.49	.49			
----------	14-19	1- 2- 5	53-65- 72	27-33- 42	1.37-1.47	0.10-10.00	0.16-0.20	3.0-5.9	0.5-1.0	.43	.43			
----------	19-25	1- 2- 5	53-60- 72	27-38- 42	1.38-1.47	0.10-10.00	0.16-0.20	6.0-8.9	0.5-1.0	.37	.37			
----------	25-32	1- 2- 5	53-62- 72	27-36- 42	1.38-1.47	0.10-10.00	0.16-0.20	6.0-8.9	0.5-1.0	.43	.43			
----------	32-45	1- 2- 5	53-64- 72	27-34- 42	1.38-1.47	0.10-10.00	0.16-0.20	3.0-5.9	0.5-1.0	.43	.43			
----------	45-51	1- 2- 5	53-68- 72	27-30- 42	1.42-1.50	0.10-10.00	0.16-0.20	3.0-5.9	0.3-0.8	.49	.49			
----------	51-60	1- 2- 5	63-72- 75	24-26- 32	1.34-1.38	0.10-10.00	0.15-0.19	3.0-5.9	0.0-0.5	.49	.49			
76C:														
Ladoga----------	0-7	1- 2- 5	60-73- 81	18-25- 35	1.29-1.36	1.00-10.00	0.18-0.22	3.0-5.9	2.5-3.5	.37	.37	5	6	48
----------	7-10	1- 2- 5	65-74- 84	15-24- 30	1.39-1.42	1.00-10.00	0.17-0.21	0.0-2.9	1.5-2.5	.49	.49			
----------	10-14	1- 2- 5	60-70- 79	20-28- 35	1.35-1.36	1.00-10.00	0.17-0.21	3.0-5.9	0.5-1.5	.49	.49			
----------	14-19	1- 2- 5	53-65- 72	27-33- 42	1.37-1.47	0.10-10.00	0.16-0.20	3.0-5.9	0.5-1.0	.43	.43			
----------	19-25	1- 2- 5	53-60- 72	27-38- 42	1.38-1.47	0.10-10.00	0.16-0.20	6.0-8.9	0.5-1.0	.37	.37			
----------	25-32	1- 2- 5	53-62- 72	27-36- 42	1.38-1.47	0.10-10.00	0.16-0.20	6.0-8.9	0.5-1.0	.43	.43			
----------	32-45	1- 2- 5	53-64- 72	27-34- 42	1.38-1.47	0.10-10.00	0.16-0.20	3.0-5.9	0.5-1.0	.43	.43			
----------	45-51	1- 2- 5	53-68- 72	27-30- 42	1.42-1.50	0.10-10.00	0.16-0.20	3.0-5.9	0.3-0.8	.49	.49			
----------	51-60	1- 2- 5	63-72- 75	24-26- 32	1.34-1.38	0.10-10.00	0.15-0.19	3.0-5.9	0.0-0.5	.49	.49			
80B:														
Clinton----------	0-8	1- 3- 5	65-75- 81	18-22- 30	1.30-1.40	1.00-10.00	0.17-0.21	0.0-2.9	2.0-3.0	.37	.37	5	6	48
----------	8-15	1- 3- 5	70-77- 84	15-20- 25	1.30-1.40	1.00-10.00	0.16-0.20	0.0-2.9	0.5-1.5	.55	.55			
----------	15-20	1- 2- 5	53-65- 72	27-33- 42	1.35-1.45	0.10-10.00	0.16-0.20	3.0-5.9	0.0-1.0	.43	.43			
----------	20-27	1- 2- 5	53-60- 69	30-38- 42	1.35-1.45	0.10-10.00	0.16-0.20	6.0-8.9	0.0-0.8	.43	.43			
----------	27-39	1- 2- 5	53-61- 64	35-37- 42	1.35-1.45	0.10-10.00	0.16-0.20	6.0-8.9	0.0-0.5	.43	.43			
----------	39-47	1- 2- 5	53-63- 64	35-35- 42	1.35-1.45	0.10-10.00	0.16-0.20	6.0-8.9	0.0-0.5	.43	.43			
----------	47-58	1- 2- 5	53-65- 69	30-33- 42	1.35-1.45	0.10-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.43	.43			
----------	58-72	1- 3- 5	53-66- 72	27-31- 42	1.35-1.45	0.10-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.49	.49			
----------	72-79	1- 4- 5	63-68- 81	18-28- 32	1.30-1.40	0.10-10.00	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					
80C:														
Clinton----------	0-8	1- 3- 5	65-75- 81	18-22- 30	1.30-1.40	1.00-10.00	0.17-0.21	1.9-4.2	2.0-3.0	.37	.37	5	6	48
----------	8-15	1- 3- 5	70-77- 84	15-20- 25	1.30-1.40	1.00-10.00	0.16-0.20	1.4-3.1	0.5-1.5	.55	.55			
----------	15-20	1- 2- 5	53-65- 72	27-33- 42	1.35-1.45	0.10-10.00	0.16-0.20	2.8-8.4	0.0-1.0	.43	.43			
----------	20-27	1- 2- 5	53-60- 69	30-38- 42	1.35-1.45	0.10-10.00	0.16-0.20	3.4-8.4	0.0-0.8	.43	.43			
----------	27-39	1- 2- 5	53-61- 64	35-37- 42	1.35-1.45	0.10-10.00	0.16-0.20	5.8-8.4	0.0-0.5	.43	.43			
----------	39-47	1- 2- 5	53-63- 64	35-35- 42	1.35-1.45	0.10-10.00	0.16-0.20	5.8-8.4	0.0-0.5	.43	.43			
----------	47-58	1- 2- 5	53-65- 69	30-33- 42	1.35-1.45	0.10-10.00	0.16-0.20	3.4-8.4	0.0-0.5	.43	.43			
----------	58-72	1- 3- 5	53-66- 72	27-31- 42	1.35-1.45	0.10-10.00	0.16-0.20	2.8-8.4	0.0-0.5	.49	.49			
----------	72-79	1- 4- 5	63-68- 81	18-28- 32	1.30-1.40	0.10-10.00	0.16-0.20	1.7-4.4	0.0-0.5	.49	.49			
80C2:														
Clinton, eroded------	0-6	1- 3- 5	65-75- 81	18-22- 30	1.30-1.40	1.00-10.00	0.17-0.21	0.0-2.9	1.5-2.5	.43	.43	5	6	48
----------	6-11	1- 3- 5	60-69- 81	18-28- 35	1.30-1.40	1.00-10.00	0.17-0.21	3.0-5.9	0.5-1.5	.49	.49			
----------	11-16	1- 2- 5	53-65- 72	27-33- 42	1.35-1.45	0.10-10.00	0.16-0.20	3.0-5.9	0.0-1.0	.43	.43			
----------	16-23	1- 2- 5	53-60- 69	30-38- 42	1.35-1.45	0.10-10.00	0.16-0.20	6.0-8.9	0.0-0.8	.43	.43			
----------	23-35	1- 2- 5	53-61- 64	35-37- 42	1.35-1.45	0.10-10.00	0.16-0.20	6.0-8.9	0.0-0.5	.43	.43			
----------	35-43	1- 2- 5	53-63- 64	35-35- 42	1.35-1.45	0.10-10.00	0.16-0.20	6.0-8.9	0.0-0.5	.43	.43			
----------	43-54	1- 2- 5	53-65- 69	30-33- 42	1.35-1.45	0.10-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.43	.43			
----------	54-68	1- 3- 5	53-66- 72	27-31- 42	1.35-1.45	0.10-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.49	.49			
----------	68-79	1- 4- 5	63-68- 81	18-28- 32	1.30-1.40	0.10-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.49	.49			
80D2:														
Clinton, eroded------	0-6	1- 3- 5	65-75- 81	18-22- 30	1.30-1.40	1.00-10.00	0.17-0.21	0.0-2.9	1.5-2.5	.43	.43	5	6	48
----------	6-11	1- 3- 5	60-69- 81	18-28- 35	1.30-1.40	1.00-10.00	0.17-0.21	3.0-5.9	0.5-1.5	.49	.49			
----------	11-16	1- 2- 5	53-65- 72	27-33- 42	1.35-1.45	0.10-10.00	0.16-0.20	3.0-5.9	0.0-1.0	.43	.43			
----------	16-23	1- 2- 5	53-60- 69	30-38- 42	1.35-1.45	0.10-10.00	0.16-0.20	6.0-8.9	0.0-0.8	.43	.43			
----------	23-35	1- 2- 5	53-61- 64	35-37- 42	1.35-1.45	0.10-10.00	0.16-0.20	6.0-8.9	0.0-0.5	.43	.43			
----------	35-43	1- 2- 5	53-63- 64	35-35- 42	1.35-1.45	0.10-10.00	0.16-0.20	6.0-8.9	0.0-0.5	.43	.43			
----------	43-54	1- 2- 5	53-65- 69	30-33- 42	1.35-1.45	0.10-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.43	.43			
----------	54-68	1- 3- 5	53-66- 72	27-31- 42	1.35-1.45	0.10-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.49	.49			
----------	68-79	1- 4- 5	63-68- 81	18-28- 32	1.30-1.40	0.10-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.49	.49			
88:														
Nevin, rarely flooded	0-19	- 7-	-65-	27-28- 29	1.30-1.35	1.00-10.00	0.21-0.23	3.0-5.9	4.0-6.0	.28	.28	5	6	48
----------	19-56	- 7-	-61-	30-33- 35	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
----------	56-72	- 7-	-63-	25-31- 36	1.40-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
93D2:														
Shelby, moderately eroded----------	0-7	-35-	-34-	27-31- 35	1.50-1.55	1.00-10.00	0.16-0.18	3.0-5.9	2.2-3.2	.28	.28	5	6	48
----------	7-42	-35-	-33-	30-33- 35	1.50-1.55	1.00-10.00	0.16-0.18	3.0-5.9	1.0-2.0	.28	.28			
----------	42-60	-35-	-33-	30-33- 35	1.55-1.65	1.00-10.00	0.16-0.18	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					
Adair, moderately eroded----------	0-7	-30-	-32-	35-39- 42	1.45-1.50	0.10-1.00	0.17-0.19	3.0-5.9	2.2-3.2	.28	.28	3	4	86
----------	7-43	-23-	-28-	38-49- 60	1.55-1.60	0.01-0.10	0.13-0.16	6.0-8.9	0.5-1.0	.24	.24			

----------	43-60	-34-	-32-	30-34- 38	1.60-1.70	1.00-10.00	0.14-0.16	3.0-5.9	0.0-0.5	.28	.28			
122:														
Sperry, depressional-	0-10	1- 3- 5	65-71- 81	18-26- 30	1.33-1.39	1.00-10.00	0.18-0.22	3.0-5.9	3.0-4.0	.37	.37	3	8	0
----------	10-17	1- 3- 5	65-72- 81	18-25- 30	1.39-1.45	1.00-10.00	0.16-0.20	3.0-5.9	0.5-2.0	.49	.49			
----------	17-28	1- 3- 5	47-59- 67	32-38- 48	1.39-1.45	0.10-1.00	0.16-0.20	6.0-8.9	0.5-1.0	.43	.43			
----------	28-36	1- 3- 5	47-54- 67	32-43- 48	1.39-1.43	0.01-0.10	0.15-0.19	6.0-8.9	0.5-1.0	.37	.37			
----------	36-47	1- 3- 5	47-57- 67	32-40- 48	1.39-1.47	0.01-0.10	0.15-0.19	6.0-8.9	0.5-1.0	.43	.43			
----------	47-63	1- 3- 5	55-62- 72	27-35- 40	1.41-1.45	1.00-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.43	.43			
----------	63-79	1- 3- 5	60-69- 73	26-28- 35	1.31-1.38	1.00-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.49	.49			
130:														
Belinda----------	0-8	4- 7- 10	68-71- 74	16-22- 24	1.35-1.40	1.00-10.00	0.22-0.24	1.6-3.0	2.0-3.0	.43	.43	3	6	48
----------	8-17	3- 6- 10	57-71- 73	18-23- 35	1.30-1.35	1.00-10.00	0.20-0.22	1.8-6.1	0.5-2.0	.55	.55			
----------	17-60	1- 4- 7	42-52- 64	35-44- 52	1.30-1.45	0.01-0.10	0.10-0.12	5.9-10.6	0.5-2.0	.37	.37			
----------	60-79	1- 3- 10	55-68- 74	24-29- 35	1.40-1.50	1.00-10.00	0.18-0.20	2.6-5.9	0.0-0.5	.49	.49			
131B:														
Pershing----------	0-7	4- 5- 30	50-73- 76	20-22- 27	1.30-1.40	1.00-10.00	0.22-0.24	2.2-3.5	2.0-3.5	.43	.43	5	6	48
----------	7-12	1-14- 20	47-56- 72	27-30- 33	1.30-1.40	1.00-10.00	0.20-0.22	3.1-4.7	0.0-1.0	.49	.49			
----------	12-55	1- 7- 15	46-52- 72	27-41- 48	1.35-1.45	0.01-0.10	0.18-0.20	3.1-10.0	0.0-0.5	.37	.37			
----------	55-79	1-12- 20	48-58- 75	24-30- 40	1.35-1.50	1.00-10.00	0.18-0.20	2.6-7.1	0.0-0.5	.43	.43			
131C:														
Pershing----------	0-7	4- 5- 30	50-73- 76	20-22- 27	1.30-1.40	1.00-10.00	0.22-0.24	2.2-3.5	2.0-4.0	.43	.43	5	6	48
----------	7-12	1-14- 20	47-56- 72	27-30- 33	1.30-1.40	1.00-10.00	0.20-0.22	3.1-4.7	0.0-1.0	.49	.49			
----------	12-55	1- 7- 15	46-52- 72	27-41- 48	1.35-1.45	0.01-0.10	0.18-0.20	3.1-10.0	0.0-0.5	.37	.37			
----------	55-79	1-12- 20	48-58- 75	24-30- 40	1.35-1.50	1.00-10.00	0.18-0.20	2.6-7.1	0.0-0.5	.43	.43			
132B:														
Weller----------	0-7	3- 4- 5	70-76- 85	10-20- 27	1.37-1.42	4.00-14.00	0.22-0.24	0.8-3.5	2.0-3.0	.43	.43	5	6	48
----------	7-9	1- 4- 11	70-76- 85	10-20- 27	1.36-1.39	4.00-14.00	0.22-0.24	0.8-3.3	0.5-1.0	.55	.55			
----------	9-15	3- 4- 5	65-69- 70	25-27- 32	1.51-1.53	1.40-4.00	0.18-0.20	2.9-5.0	0.0-0.5	.55	.55			
----------	15-24	3- 4- 5	47-54- 66	29-42- 48	1.43-1.48	0.42-1.40	0.12-0.18	2.8-8.6	0.0-0.5	.37	.37			
----------	24-67	3- 4- 5	56-66- 71	25-30- 39	1.44-1.50	1.40-4.00	0.18-0.20	2.6-7.1	0.0-0.5	.49	.49			
----------	67-79	3- 4- 5	56-66- 71	25-30- 39	1.50-1.55	1.40-4.00	0.18-0.20	2.6-7.1	0.0-0.5	.49	.49			
132C:														
Weller----------	0-12	-26-	-52-	16-22- 27	1.35-1.45	1.00-10.00	0.22-0.24	0.0-2.9	2.0-3.0	.43	.43	5	6	48
----------	12-43	- 8-	-55-	28-38- 48	1.35-1.50	0.01-0.10	0.12-0.18	6.0-8.9	0.0-0.5	.43	.43			
----------	43-74	-20-	-48-	25-33- 40	1.40-1.55	1.00-10.00	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			

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					
133:														
Colo, occasionally flooded----------	0-8	1- 6- 20	49-64- 73	24-30- 35	1.22-1.36	1.00-10.00	0.15-0.18	3.0-5.9	4.0-7.0	.28	.28	5	6	48
----------	8-14	1- 6- 15	52-64- 73	24-30- 35	1.25-1.36	1.00-10.00	0.15-0.19	3.0-5.9	3.0-4.0	.32	.32			
----------	14-34	1- 6- 15	50-61- 72	27-33- 35	1.26-1.30	1.00-10.00	0.15-0.18	3.0-5.9	3.0-4.0	.28	.28			
----------	34-40	1- 6- 15	50-61- 72	27-33- 35	1.22-1.36	1.00-10.00	0.15-0.18	3.0-5.9	3.0-4.0	.32	.32			
----------	40-46	1- 8- 15	50-58- 68	30-34- 35	1.20-1.34	1.00-10.00	0.15-0.18	3.0-5.9	3.0-4.0	.32	.32			
----------	46-52	1- 8- 15	50-60- 69	30-32- 35	1.34-1.41	1.00-10.00	0.16-0.20	3.0-5.9	1.0-2.0	.43	.43			
----------	52-79	1- 8- 30	42-61- 74	25-31- 35	1.35-1.40	1.00-10.00	0.16-0.22	3.0-5.9	1.0-2.0	.43	.43			
133+:														
Colo, overwash, occasionally flooded	0-10	-10-	-68-	20-23- 26	1.25-1.30	1.00-10.00	0.22-0.24	3.0-5.9	3.0-5.0	.37	.37	5	6	48
----------	10-30	- 7-	-61-	30-33- 35	1.25-1.35	1.00-10.00	0.18-0.20	3.0-5.9	3.0-4.0	.37	.37			
----------	30-60	- 7-	-63-	25-30- 35	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
173:														
Hoopeston----------	0-8	40-55- 75	20-32- 50	8-13- 18	1.35-1.70	10.00-100.00	0.12-0.15	0.0-0.4	2.0-3.0	.24	.24	3	3	86
----------	8-14	40-55- 75	20-32- 50	8-13- 18	1.35-1.70	10.00-100.00	0.12-0.15	0.0-0.4	2.0-3.0	.28	.28			
----------	14-38	40-66- 85	10-19- 50	12-15- 18	1.45-1.70	10.00-100.00	0.12-0.17	0.0-0.4	0.2-1.0	.20	.20			
----------	38-60	40-90-100	0- 4- 20	2- 6- 10	1.50-1.70	100.00-705.00	0.05-0.10	0.0-0.0	0.1-0.5	.10	.10			
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	100.00-705.00	0.02-0.06	0.0-1.4	0.0-0.5	.02	.02			
179E:														
Gara----------	0-7	40-50- 52	30-32- 40	15-18- 27	1.46-1.48	4.00-14.00	0.18-0.21	2.0-5.9	2.0-3.0	.28	.28	5	5	56
----------	7-10	40-50- 52	30-32- 40	15-18- 27	1.46-1.48	4.00-14.00	0.18-0.21	2.0-5.9	2.0-3.0	.28	.28			
----------	10-31	20-34- 40	26-33- 50	25-33- 35	1.36-1.55	0.40-1.40	0.13-0.16	2.4-5.9	0.0-1.0	.32	.32			
----------	31-40	20-34- 40	26-33- 50	25-33- 35	1.36-1.56	0.40-1.40	0.13-0.16	2.4-5.9	0.0-1.0	.32	.32			
----------	40-79	20-34- 40	30-34- 50	24-32- 38	1.38-1.52	1.40-4.00	0.12-0.16	3.1-5.7	0.0-0.5	.32	.32			
179E2:														
Gara, moderately eroded----------	0-6	40-50- 52	30-32- 40	15-18- 27	1.46-1.48	4.00-14.00	0.18-0.21	2.0-5.9	2.0-3.0	.28	.28	5	5	56
----------	6-31	20-34- 40	26-33- 50	25-33- 35	1.36-1.55	0.40-1.40	0.13-0.16	2.4-5.9	0.0-1.0	.32	.32			
----------	31-40	20-34- 40	26-33- 50	25-33- 35	1.36-1.56	0.40-1.40	0.13-0.16	2.4-5.9	0.0-1.0	.32	.32			
----------	40-79	20-34- 40	30-34- 50	24-32- 38	1.38-1.52	1.40-4.00	0.12-0.16	3.1-5.7	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					
179F:														
Gara----------	0-7	23-34- 50	28-42- 50	12-24- 27	1.32-1.42	4.00-14.00	0.18-0.21	1.1-3.7	2.0-3.5	.28	.28	5	6	48
----------	7-10	40-50- 52	30-32- 40	15-18- 27	1.42-1.52	4.00-14.00	0.18-0.21	1.4-3.6	1.0-3.0	.37	.37			
----------	10-31	20-34- 40	26-33- 50	25-33- 35	1.36-1.54	0.40-1.40	0.13-0.16	2.5-5.1	0.0-1.0	.32	.32			
----------	31-40	20-34- 45	20-33- 53	27-33- 35	1.31-1.60	0.40-1.40	0.16-0.18	2.8-5.1	0.0-1.0	.32	.32			
----------	40-79	20-34- 40	30-34- 50	24-32- 38	1.46-1.55	1.40-4.00	0.12-0.16	2.4-5.5	0.0-0.5	.32	.32			
192C2:														
Adair, moderately eroded----------	0-7	-30-	-32-	35-39- 42	1.45-1.50	0.10-1.00	0.17-0.19	3.0-5.9	2.2-3.2	.28	.28	3	4	86
----------	7-43	-23-	-28-	38-49- 60	1.55-1.60	0.01-0.10	0.13-0.16	6.0-8.9	0.5-1.0	.24	.24			
----------	43-60	-34-	-32-	30-34- 38	1.60-1.70	1.00-10.00	0.14-0.16	3.0-5.9	0.0-0.5	.28	.28			
192D:														
Adair----------	0-13	-20-	-49-	27-31- 35	1.45-1.50	1.00-10.00	0.17-0.19	3.0-5.9	3.0-4.0	.37	.37	3	6	48
----------	13-43	-23-	-28-	38-49- 60	1.55-1.60	0.01-0.10	0.13-0.16	6.0-8.9	0.5-1.0	.24	.24			
----------	43-60	-34-	-32-	30-34- 38	1.60-1.70	1.00-10.00	0.14-0.16	3.0-5.9	0.0-0.5	.28	.28			
192D2:														
Adair, moderately eroded----------	0-7	-30-	-32-	35-39- 42	1.45-1.50	0.10-1.00	0.17-0.19	3.0-5.9	2.2-3.2	.28	.28	3	4	86
----------	7-43	-23-	-28-	38-49- 60	1.55-1.60	0.01-0.10	0.13-0.16	6.0-8.9	0.5-1.0	.24	.24			
----------	43-60	-34-	-32-	30-34- 38	1.60-1.70	1.00-10.00	0.14-0.16	3.0-5.9	0.0-0.5	.28	.28			
208:														
Landes, occasionally flooded----------	0-14	-67-	-20-	5-13- 20	1.40-1.60	10.00-100.00	0.13-0.18	0.0-2.9	1.5-2.5	.20	.20	3	3	86
----------	14-23	-63-	-23-	5-15- 18	1.45-1.70	1.00-10.00	0.10-0.15	0.0-2.9	0.0-1.0	.32	.32			
----------	23-32	-63-	-26-	5-12- 18	1.45-1.70	10.00-100.00	0.10-0.15	0.0-2.9	0.0-1.0	.32	.32			
----------	32-60	-80-	-15-	5- 5- 18	1.60-1.70	10.00-100.00	0.05-0.15	0.0-2.9	0.0-1.0	.05	.05			
211:														
Edina----------	0-9	0- 5- 8	65-74- 84	15-21- 27	1.27-1.45	1.00-10.00	0.22-0.24	1.4-3.6	1.0-4.0	.49	.49	3	6	48
----------	9-18	0- 5- 8	65-75- 84	15-20- 27	1.44-1.47	1.00-10.00	0.20-0.22	1.4-3.5	0.5-1.0	.55	.55			
----------	18-54	0- 3- 5	35-45- 55	45-52- 60	1.24-1.35	0.01-0.10	0.11-0.13	7.7-12.5	0.0-0.5	.32	.32			
----------	54-79	0- 3- 5	55-62- 71	27-35- 40	1.36-1.47	1.00-10.00	0.18-0.20	3.1-7.1	0.0-0.5	.43	.43			

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					
220:														
Nodaway, occasionally flooded	0-8	1- 8- 15	58-70- 81	18-22- 27	1.25-1.35	1.00-10.00	0.20-0.23	0.0-2.9	2.0-4.0	.37	.37	5	6	48
	8-31	1- 7- 15	55-70- 81	18-23- 30	1.25-1.35	1.00-10.00	0.20-0.23	3.0-5.9	0.0-0.5	.49	.49			
	31-42	1- 7- 15	55-70- 81	18-23- 30	1.25-1.35	1.00-10.00	0.20-0.23	3.0-5.9	0.0-0.5	.49	.49			
	42-80	1- 7- 15	55-70- 81	18-23- 30	1.25-1.35	1.00-10.00	0.20-0.23	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					
222C:														
Clarinda	0-8	0- 4- 6	56-64- 73	27-32- 38	1.45-1.50	1.00-10.00	0.16-0.20	3.4-7.0	2.0-3.5	.37	.37	3	6	48
	8-11	0- 5- 7	55-62- 73	27-33- 38	1.45-1.50	1.00-10.00	0.16-0.20	3.4-7.0	2.0-3.5	.43	.43			
	11-19	0- 8- 12	33-45- 60	40-47- 55	1.50-1.65	0.01-0.10	0.10-0.14	6.3-11.1	0.0-0.5	.32	.32			
	19-67	0- 7- 12	28-40- 57	40-53- 60	1.50-1.65	0.01-0.10	0.08-0.14	6.3-12.5	0.0-0.5	.28	.28			
	67-79	0- 8- 12	38-47- 60	40-45- 50	1.50-1.65	0.01-0.10	0.11-0.14	5.7-9.7	0.0-0.5	.37	.37			
222C2:														
Clarinda, moderately eroded	0-8	0- 5- 6	56-62- 73	27-33- 38	1.36-1.42	1.00-10.00	0.16-0.20	3.4-7.0	2.0-3.0	.43	.43	3	6	48
	8-16	0- 8- 12	33-45- 60	40-47- 55	1.30-1.45	0.01-0.10	0.10-0.14	6.3-11.1	0.0-0.5	.32	.32			
	16-67	0- 7- 12	28-40- 57	40-53- 60	1.28-1.36	0.01-0.10	0.08-0.14	6.3-12.5	0.0-0.5	.28	.28			
	67-79	0- 8- 12	38-47- 60	40-45- 50	1.43-1.48	0.01-0.10	0.11-0.14	6.3-9.7	0.0-0.5	.37	.37			
223C2:														
Rinda, moderately eroded	0-9	0- 7- 15	47-60- 60	30-33- 40	1.45-1.50	1.00-10.00	0.18-0.20	4.1-7.7	2.0-3.0	.32	.32	3	6	48
	9-16	0- 5- 15	40-60- 70	30-35- 56	1.45-1.50	0.10-1.00	0.15-0.20	3.9-11.6	0.5-1.0	.43	.43			
	16-79	0-14- 21	25-42- 60	40-44- 60	1.30-1.40	0.01-0.10	0.08-0.12	6.1-12.5	0.0-0.5	.32	.32			
223D2:														
Rinda, moderately eroded	0-8	0- 7- 15	47-60- 60	30-33- 40	1.45-1.50	1.00-10.00	0.18-0.20	4.1-7.7	2.0-3.0	.32	.32	3	6	48
	8-16	0- 5- 15	40-60- 70	30-35- 56	1.45-1.50	0.10-1.00	0.15-0.20	3.9-11.6	0.5-1.0	.43	.43			
	16-79	0-14- 21	25-42- 60	40-44- 60	1.30-1.40	0.01-0.10	0.08-0.12	6.1-12.5	0.0-0.5	.32	.32			
230C:														
Arispe	0-7	-19-	-48-	28-33- 38	1.35-1.40	1.00-10.00	0.21-0.23	6.0-8.9	3.0-4.0	.32	.32	5	6	48
	7-26	- 7-	-53-	38-40- 42	1.35-1.45	0.10-1.00	0.18-0.20	6.0-8.9	0.5-1.0	.37	.37			
	26-39	-18-	-48-	30-34- 38	1.35-1.45	1.00-10.00	0.18-0.20	6.0-8.9	0.0-0.5	.37	.37			
	39-60	-18-	-52-	24-30- 35	1.40-1.50	1.00-10.00	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
Clearfield	0-16	-17-	-48-	32-35- 38	1.30-1.40	0.10-1.00	0.21-0.23	6.0-8.9	3.0-4.0	.28	.28	5	6	48
	16-40	- 8-	-56-	35-36- 37	1.30-1.45	0.10-1.00	0.18-0.20	6.0-8.9	0.5-1.0	.37	.37			
	40-60	-26-	-29-	40-45- 50	1.40-1.65	0.01-0.10	0.10-0.12	6.0-8.9	0.0-0.5	.28	.28			
260:														
Beckwith	0-6	0- 3- 5	73-78- 84	16-19- 22	1.40-1.44	1.00-10.00	0.22-0.24	1.6-2.6	1.5-2.5	.49	.49	3	5	56
	6-17	0- 3- 5	69-74- 80	18-23- 26	1.45-1.46	1.00-10.00	0.20-0.22	1.3-3.5	0.5-1.0	.55	.55			
	17-39	0- 3- 5	43-51- 60	40-46- 52	1.32-1.45	0.01-0.10	0.12-0.14	6.5-10.3	0.0-0.5	.37	.37			
	39-79	0- 3- 5	55-63- 72	28-34- 40	1.40-1.44	1.00-10.00	0.18-0.20	3.3-7.1	0.0-0.5	.43	.43			

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					
269:														
Humeston, occasionally flooded	0-8	5-15- 20	50-59- 65	24-26- 30	1.26-1.38	1.00-10.00	0.21-0.23	3.0-4.2	3.0-4.0	.37	.37	5	6	48
	8-13	5-15- 20	50-59- 65	24-26- 30	1.20-1.33	1.00-10.00	0.18-0.20	3.0-4.2	3.0-4.0	.32	.32			
	13-22	5-15- 20	55-62- 70	20-23- 26	1.42-1.48	1.00-10.00	0.22-0.24	2.2-3.3	1.0-2.0	.49	.49			
	22-26	5-13- 20	50-55- 65	30-33- 35	1.36-1.44	1.00-10.00	0.18-0.20	4.0-6.1	0.5-1.5	.43	.43			
	26-50	5- 8- 10	45-54- 60	35-39- 48	1.33-1.41	0.10-1.00	0.13-0.18	6.0-9.4	1.0-1.5	.37	.37			
	50-79	5-10- 20	50-56- 65	30-34- 38	1.38-1.44	0.10-1.00	0.18-0.20	4.0-6.8	0.5-1.0	.43	.43			
276C2:														
Ladoga, moderately eroded	0-11	-25-	-53-	18-23- 27	1.30-1.35	1.00-10.00	0.22-0.24	0.0-2.9	2.0-3.0	.43	.43	5	6	48
	11-36	- 7-	-54-	36-39- 42	1.30-1.40	0.10-1.00	0.18-0.20	3.0-5.9	0.5-1.0	.37	.37			
	36-70	-20-	-52-	24-28- 32	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.49	.49			
Hedrick, moderately eroded	0-7	-11-	-67-	16-22- 27	1.30-1.35	1.00-10.00	0.21-0.23	0.0-2.9	2.0-3.0	.43	.43	5	6	48
	7-44	- 7-	-61-	27-32- 37	1.30-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
	44-60	- 9-	-63-	24-28- 32	1.40-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.49	.49			
279:														
Taintor	0-9	1- 2- 5	60-68- 72	25-30- 35	1.30-1.40	1.00-10.00	0.20-0.24	3.0-5.9	3.0-6.0	.32	.32	5	6	48
	9-16	1- 2- 5	55-64- 72	26-34- 40	1.30-1.40	1.00-10.00	0.19-0.23	3.0-5.9	2.0-4.0	.32	.32			
	16-20	1- 2- 5	55-61- 72	26-37- 40	1.30-1.40	0.10-1.00	0.18-0.22	6.0-8.9	2.0-3.0	.37	.37			
	20-24	1- 2- 5	54-57- 66	33-41- 42	1.30-1.45	0.01-0.10	0.15-0.19	6.0-8.9	0.0-1.0	.37	.37			
	24-28	1- 2- 5	54-58- 66	33-40- 42	1.30-1.45	0.01-0.10	0.15-0.19	6.0-8.9	0.0-1.0	.43	.43			
	28-36	1- 2- 5	54-62- 66	33-36- 42	1.30-1.45	0.10-1.00	0.16-0.20	6.0-8.9	0.0-1.0	.43	.43			
	36-46	1- 2- 5	55-65- 68	30-33- 40	1.40-1.50	1.00-10.00	0.16-0.20	3.0-5.9	0.0-1.0	.43	.43			
	46-60	1- 2- 5	62-70- 79	20-28- 33	1.40-1.50	1.00-10.00	0.16-0.20	3.0-5.9	0.0-1.0	.49	.49			
280:														
Mahaska	0-7	1- 2- 10	58-69- 72	27-29- 32	1.10-1.35	1.00-10.00	0.20-0.24	3.0-5.9	3.0-6.0	.37	.37	5	6	48
	7-13	1- 2- 10	58-69- 72	27-29- 32	1.20-1.50	1.00-10.00	0.19-0.23	3.0-5.9	2.0-4.0	.37	.37			
	13-18	1- 2- 10	58-69- 72	27-29- 32	1.20-1.55	1.00-10.00	0.18-0.22	3.0-5.9	1.5-3.5	.43	.43			
	18-24	1- 2- 5	58-65- 72	27-33- 37	1.25-1.60	0.10-10.00	0.18-0.22	3.0-5.9	1.0-3.0	.43	.43			
	24-30	0- 2- 5	53-59- 64	35-39- 42	1.20-1.60	0.01-1.00	0.15-0.21	6.0-8.9	1.0-2.0	.37	.37			
	30-40	0- 2- 5	53-60- 64	35-38- 42	1.20-1.60	0.01-1.00	0.16-0.21	6.0-8.9	1.0-2.0	.37	.37			
	40-61	0- 2- 5	53-62- 64	35-36- 42	1.25-1.65	0.01-1.00	0.16-0.20	6.0-8.9	0.5-1.0	.43	.43			
	61-79	0- 1- 5	63-68- 75	24-31- 32	1.40-1.70	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					
280B:														
Mahaska	0-7	1- 2- 10	58-69- 72	27-29- 32	1.10-1.35	1.00-10.00	0.20-0.24	3.0-5.9	3.0-6.0	.37	.37	5	6	48
	7-13	1- 2- 10	58-69- 72	27-29- 32	1.20-1.50	1.00-10.00	0.19-0.23	3.0-5.9	2.0-4.0	.37	.37			
	13-18	1- 2- 10	58-69- 72	27-29- 32	1.20-1.55	1.00-10.00	0.18-0.22	3.0-5.9	1.5-3.5	.43	.43			
	18-24	1- 2- 5	58-65- 72	27-33- 37	1.25-1.60	0.10-10.00	0.18-0.22	3.0-5.9	1.0-3.0	.43	.43			
	24-30	0- 2- 5	53-59- 64	35-39- 42	1.20-1.60	0.01-1.00	0.15-0.21	6.0-8.9	1.0-2.0	.37	.37			
	30-40	0- 2- 5	53-60- 64	35-38- 42	1.20-1.60	0.01-1.00	0.16-0.21	6.0-8.9	1.0-2.0	.37	.37			
	40-61	0- 2- 5	53-62- 64	35-36- 42	1.25-1.65	0.01-1.00	0.16-0.20	6.0-8.9	0.5-1.0	.43	.43			
	61-79	0- 1- 5	63-68- 75	24-31- 32	1.40-1.70	1.00-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.49	.49			
281B:														
Otley	0-7	1- 2- 5	55-68- 72	27-30- 40	1.36-1.42	1.00-10.00	0.19-0.23	3.0-5.9	2.5-4.3	.32	.32	5	6	48
	7-17	1- 2- 5	55-65- 72	27-33- 40	1.23-1.37	1.00-10.00	0.18-0.22	3.0-5.9	2.0-4.0	.32	.32			
	17-26	1- 2- 5	50-61- 67	32-37- 45	1.31-1.36	0.10-10.00	0.17-0.21	6.0-8.9	1.3-3.0	.37	.37			
	26-32	1- 2- 5	50-62- 67	32-36- 45	1.36-1.39	0.10-10.00	0.17-0.21	6.0-8.9	1.0-2.5	.43	.43			
	32-40	1- 2- 5	50-62- 67	32-36- 45	1.38-1.43	0.10-10.00	0.16-0.20	6.0-8.9	0.5-2.0	.43	.43			
	40-46	1- 2- 5	57-63- 72	27-35- 38	1.36-1.44	0.10-10.00	0.16-0.20	3.0-5.9	0.3-1.5	.43	.43			
	46-53	1- 2- 5	57-66- 72	27-32- 38	1.38-1.44	0.10-10.00	0.16-0.20	3.0-5.9	0.3-1.0	.43	.43			
	53-61	1- 2- 5	57-67- 72	27-31- 38	1.39-1.44	0.10-10.00	0.16-0.20	3.0-5.9	0.3-0.8	.43	.43			
	61-73	1- 2- 5	65-70- 79	20-28- 30	1.30-1.36	1.00-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.49	.49			
	73-79	1- 2- 5	65-73- 79	20-25- 30	1.30-1.38	1.00-10.00	0.15-0.19	3.0-5.9	0.0-0.5	.49	.49			
281C:														
Otley	0-7	1- 2- 5	55-68- 72	27-30- 40	1.36-1.42	1.00-10.00	0.19-0.23	3.0-5.9	2.5-4.3	.32	.32	5	6	48
	7-17	1- 2- 5	55-65- 72	27-33- 40	1.23-1.37	1.00-10.00	0.18-0.22	3.0-5.9	2.0-4.0	.32	.32			

	17-26	1- 2- 5	50-61- 67	32-37- 45	1.31-1.36	0.10-10.00	0.17-0.21	6.0-8.9	1.3-3.0	.37	.37			
	26-32	1- 2- 5	50-62- 67	32-36- 45	1.36-1.39	0.10-10.00	0.17-0.21	6.0-8.9	1.0-2.5	.43	.43			
	32-40	1- 2- 5	50-62- 67	32-36- 45	1.38-1.43	0.10-10.00	0.16-0.20	6.0-8.9	0.5-2.0	.43	.43			
	40-46	1- 2- 5	57-63- 72	27-35- 38	1.36-1.44	0.10-10.00	0.16-0.20	3.0-5.9	0.3-1.5	.43	.43			
	46-53	1- 2- 5	57-66- 72	27-32- 38	1.38-1.44	0.10-10.00	0.16-0.20	3.0-5.9	0.3-1.0	.43	.43			
	53-61	1- 2- 5	57-67- 72	27-31- 38	1.39-1.44	0.10-10.00	0.16-0.20	3.0-5.9	0.3-0.8	.43	.43			
	61-73	1- 2- 5	65-70- 79	20-28- 30	1.30-1.36	1.00-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.49	.49			
	73-79	1- 2- 5	65-73- 79	20-25- 30	1.30-1.38	1.00-10.00	0.15-0.19	3.0-5.9	0.0-0.5	.49	.49			
315:														
Landes, Frequently flooded	0-14	-67-	-20-	5-13- 20	1.40-1.60	10.00-100.00	0.13-0.18	0.0-2.9	1.5-2.5	.20	.20	3	3	86
	14-23	-63-	-23-	5-15- 18	1.45-1.70	1.00-10.00	0.10-0.15	0.0-2.9	0.0-1.0	.32	.32			
	23-32	-63-	-26-	5-12- 18	1.45-1.70	10.00-100.00	0.10-0.15	0.0-2.9	0.0-1.0	.32	.32			
	32-60	-80-	-15-	5- 5- 18	1.60-1.70	10.00-100.00	0.05-0.15	0.0-2.9	0.0-1.0	.05	.05			
Perks, Frequently flooded	0-9	-85-	- 9-	2- 6- 10	1.50-1.55	10.00-100.00	0.07-0.09	0.0-2.9	0.5-2.5	.10	.10	5	2	134
	9-72	-92-	- 2-	2- 6- 10	1.50-1.75	100.00-705.0 0	0.02-0.04	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					
Nodaway, Frequently flooded	0-8	1- 8- 15	58-70- 81	18-22- 27	1.25-1.35	1.00-10.00	0.20-0.23	0.0-2.9	2.0-4.0	.37	.37	5	6	48
	8-31	1- 7- 15	55-70- 81	18-23- 30	1.25-1.35	1.00-10.00	0.20-0.23	3.0-5.9	0.0-0.5	.49	.49			
	31-42	1- 7- 15	55-70- 81	18-23- 30	1.25-1.35	1.00-10.00	0.20-0.23	3.0-5.9	0.0-0.5	.49	.49			
	42-80	1- 7- 15	55-70- 81	18-23- 30	1.25-1.35	1.00-10.00	0.20-0.23	3.0-5.9	0.0-0.5	.49	.49			
354:														
Aquolls, channeled, ponded	0-80	--	--	--	---	0.01-10.00	---	---	---	---	---	5	---	---
362:														
Haig	0-7	5-10- 20	55-65- 70	22-25- 27	1.29-1.40	4.00-14.00	0.22-0.24	2.6-3.6	3.0-5.0	.37	.37	5	6	48
	7-13	5- 8- 20	45-55- 65	28-37- 48	1.34-1.40	0.01-0.10	0.21-0.23	3.6-9.5	1.0-2.0	.37	.37			
	13-38	2- 7- 20	40-48- 55	40-45- 50	1.32-1.45	0.01-0.10	0.12-0.14	6.5-9.9	0.0-1.0	.37	.37			
	38-79	5-18- 20	45-48- 65	28-34- 40	1.39-1.51	0.40-1.40	0.18-0.20	3.3-7.1	0.0-0.5	.37	.37			
363:														
Haig	0-7	5- 8- 20	45-59- 65	28-33- 39	1.35-1.40	0.10-1.00	0.18-0.20	3.7-7.3	2.5-5.0	.32	.32	5	6	48
	7-13	5- 8- 20	45-55- 65	28-37- 48	1.34-1.40	0.01-0.10	0.21-0.23	3.6-9.5	1.0-2.0	.37	.37			
	13-38	2- 7- 20	40-48- 55	40-45- 50	1.32-1.45	0.01-0.10	0.12-0.14	6.5-9.9	0.0-1.0	.37	.37			
	38-79	5-18- 20	45-48- 65	28-34- 40	1.39-1.51	0.40-1.40	0.18-0.20	3.3-7.1	0.0-0.5	.37	.37			
364B:														
Grundy	0-12	-20-	-49-	28-32- 35	1.35-1.45	1.00-10.00	0.18-0.20	6.0-8.9	3.0-4.0	.37	.37	5	6	48
	12-16	- 7-	-54-	32-39- 45	1.35-1.45	0.10-1.00	0.18-0.20	6.0-8.9	0.5-1.0	.37	.37			
	16-36	- 7-	-48-	40-45- 50	1.30-1.40	0.01-0.10	0.11-0.13	6.0-8.9	0.0-0.5	.37	.37			
	36-60	-20-	-49-	28-32- 35	1.35-1.40	1.00-10.00	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
380B:														
Mahaska	0-8	0- 3- 10	58-73- 79	20-25- 32	1.10-1.35	0.10-1.00	0.21-0.24	2.3-4.6	4.0-6.0	.43	.43	5	6	48
	8-24	0- 3- 5	58-61- 72	20-36- 37	1.20-1.50	0.10-1.00	0.18-0.20	1.6-7.6	2.0-4.0	.37	.37			
	24-30	0- 2- 5	53-58- 60	35-40- 42	1.20-1.60	0.01-1.00	0.10-0.20	5.8-8.3	1.0-2.0	.37	.37			
	30-61	0- 1- 5	57-65- 70	30-33- 42	1.25-1.65	0.01-1.00	0.10-0.20	4.0-7.8	0.5-1.0	.43	.43			
	61-80	0- 2- 5	64-71- 76	24-28- 32	1.40-1.70	0.10-1.00	0.18-0.22	2.6-4.4	0.0-0.5	.55	.55			
424D2:														
Lindley, moderately eroded	0-8	35-45- 52	30-33- 47	18-22- 27	1.44-1.48	4.00-14.00	0.20-0.22	0.9-1.9	1.0-2.0	.37	.37	5	5	56
	8-30	22-39- 51	15-28- 48	24-33- 35	1.35-1.55	1.40-4.00	0.15-0.17	2.7-5.2	0.1-1.0	.28	.28			
	30-79	22-40- 51	17-30- 51	20-30- 32	1.46-1.64	1.40-4.00	0.14-0.16	2.1-4.5	0.1-0.5	.28	.28			
Keswick, moderately eroded	0-10	35-38- 40	35-37- 40	22-25- 27	1.38-1.48	4.00-14.00	0.17-0.22	2.4-3.5	1.5-2.5	.37	.37	3	6	48
	10-34	20-23- 25	25-29- 35	40-48- 55	1.31-1.59	0.01-0.10	0.11-0.15	5.5-12.6	0.0-0.5	.28	.28			
	34-79	30-33- 36	30-32- 35	30-35- 40	1.38-1.53	0.10-1.00	0.12-0.16	3.5-7.1	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					
424E:														
Lindley	0-9	35-45- 52	30-33- 47	18-22- 27	1.37-1.54	4.00-14.00	0.20-0.22	1.3-2.8	1.0-3.0	.28	.28	5	6	48
	9-13	35-40- 52	30-37- 46	18-23- 27	1.57-1.61	4.20-14.00	0.19-0.21	1.1-2.6	0.3-1.0	.37	.37			
	13-30	22-39- 51	15-28- 48	24-33- 35	1.35-1.55	1.40-4.00	0.15-0.17	2.7-5.2	0.1-1.0	.28	.28			
	30-79	22-40- 51	17-30- 51	20-30- 32	1.46-1.64	1.40-4.00	0.14-0.16	2.1-4.5	0.1-0.5	.28	.28			
Keswick	0-12	35-38- 40	35-37- 40	22-25- 27	1.38-1.48	4.00-14.00	0.17-0.22	2.4-3.5	2.0-3.0	.37	.37	3	6	48
	12-18	35-40- 52	30-37- 46	18-23- 27	1.57-1.61	4.00-14.00	0.19-0.21	1.0-2.5	0.3-1.0	.43	.43			
	18-36	20-23- 25	25-29- 35	40-48- 55	1.31-1.59	0.01-0.10	0.11-0.15	5.5-12.6	0.0-0.5	.28	.28			
	36-79	30-33- 36	30-32- 35	30-35- 40	1.38-1.53	0.10-1.00	0.12-0.16	3.5-7.1	0.0-0.5	.32	.32			
424E2:														
Lindley, moderately eroded	0-8	35-45- 52	30-33- 47	18-22- 27	1.44-1.48	4.00-14.00	0.20-0.22	0.9-1.9	1.0-2.0	.37	.37	5	5	56
	8-30	22-39- 51	15-28- 48	24-33- 35	1.35-1.55	1.40-4.00	0.15-0.17	2.7-5.2	0.1-1.0	.28	.28			
	30-79	22-40- 51	17-30- 51	20-30- 32	1.46-1.64	1.40-4.00	0.14-0.16	2.1-4.5	0.1-0.5	.28	.28			
Keswick, moderately eroded	0-10	35-38- 40	35-37- 40	22-25- 27	1.38-1.48	4.00-14.00	0.17-0.22	2.4-3.5	1.5-2.5	.37	.37	3	6	48
	10-34	20-23- 25	25-29- 35	40-48- 55	1.31-1.59	0.01-0.10	0.11-0.15	5.5-12.6	0.0-0.5	.28	.28			
	34-79	30-33- 36	30-32- 35	30-35- 40	1.38-1.53	0.10-1.00	0.12-0.16	3.5-7.1	0.0-0.5	.32	.32			
425D:														
Keswick	0-12	35-38- 40	35-37- 40	22-25- 27	1.38-1.48	4.00-14.00	0.17-0.22	2.4-3.5	2.0-3.0	.37	.37	3	6	48
	12-18	35-40- 52	30-37- 46	18-23- 27	1.57-1.61	4.00-14.00	0.19-0.21	1.0-2.5	0.3-1.0	.43	.43			
	18-36	20-23- 25	25-29- 35	40-48- 55	1.31-1.59	0.01-0.10	0.11-0.15	5.5-12.6	0.0-0.5	.28	.28			
	36-79	30-33- 36	30-32- 35	30-35- 40	1.38-1.53	0.10-1.00	0.12-0.16	3.5-7.1	0.0-0.5	.32	.32			
425D2:														
Keswick, moderately eroded	0-10	35-38- 40	35-37- 40	22-25- 27	1.38-1.48	4.00-14.00	0.17-0.22	2.4-3.5	1.5-2.5	.37	.37	3	6	48
	10-34	20-23- 25	25-29- 35	40-48- 55	1.31-1.59	0.01-0.10	0.11-0.15	5.5-12.6	0.0-0.5	.28	.28			
	34-79	30-33- 36	30-32- 35	30-35- 40	1.38-1.53	0.10-1.00	0.12-0.16	3.5-7.1	0.0-0.5	.32	.32			
451D2:														
Caleb, moderately eroded	0-7	-39-	-37-	22-25- 27	1.45-1.50	1.00-10.00	0.14-0.18	0.0-2.9	2.0-3.0	.32	.32	5	6	48
	7-36	-35-	-38-	20-28- 35	1.45-1.65	1.00-10.00	0.14-0.18	3.0-5.9	0.0-0.5	.37	.37			
	36-72	-57-	-18-	5-25- 30	1.55-1.75	1.00-10.00	0.12-0.16	0.0-2.9	0.0-0.5	.24	.24			
453:														
Tuskeego, rarely flooded	0-8	-27-	-54-	16-19- 22	1.35-1.40	1.00-10.00	0.19-0.23	3.0-5.9	3.0-4.0	.37	.37	5	5	56
	8-19	-27-	-54-	16-19- 22	1.35-1.40	1.00-10.00	0.19-0.23	3.0-5.9	1.0-2.0	.49	.49			
	19-24	- 8-	-54-	32-38- 48	1.30-1.45	0.10-1.00	0.13-0.17	6.0-8.9	0.0-2.0	.37	.37			
	24-60	-18-	-48-	28-34- 40	1.40-1.50	1.00-10.00	0.16-0.19	3.0-5.9	0.0-1.0	.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					
478G:														

Munterville----------	0-4	5-15- 30	40-61- 65	10-24- 25	1.30-1.40	1.41-4.23	0.14-0.16	3.0-5.9	2.0-3.0	.37	.37	5	6	48
----------	4-8	5-20- 30	45-55- 65	20-25- 30	1.30-1.40	1.41-4.23	0.14-0.16	3.0-5.9	1.0-2.0	.49	.49			
----------	8-17	5-15- 20	25-46- 60	30-39- 50	1.50-1.60	0.01-0.42	0.12-0.14	6.0-8.9	0.0-0.5	.37	.37			
----------	17-47	5-10- 20	25-40- 60	35-50- 65	1.50-1.60	0.01-0.42	0.12-0.14	6.0-8.9	0.0-0.5	.32	.32			
----------	47-75	0-10- 20	25-40- 60	30-50- 65	1.50-1.60	0.01-0.42	0.12-0.14	6.0-8.9	0.0-0.5	.32	.32			
----------	75-79	--	--	--	---	0.01-0.42	---	---	---	---	---			
Rock Outcrop---------	0-80	--	--	0- 0- 0	---	10.00-100.00	0.00-0.00	---	---	---	---	--	---	---
520:														
Coppock, occasionally flooded	0-8	5-11- 15	59-68- 78	16-21- 26	1.35-1.38	1.00-10.00	0.20-0.24	1.7-3.6	2.5-3.5	.37	.37	5	6	48
----------	8-25	5-11- 15	58-67- 78	16-22- 27	1.46-1.48	1.00-10.00	0.18-0.22	1.5-3.6	0.0-1.0	.55	.55			
----------	25-43	2- 7- 15	52-63- 73	25-30- 35	1.41-1.54	1.00-10.00	0.17-0.21	2.1-3.9	0.0-0.5	.49	.49			
----------	43-79	2- 7- 15	46-61- 73	24-32- 40	1.42-1.51	1.00-10.00	0.15-0.19	1.9-4.9	0.0-0.5	.43	.43			
570C:														
Nira----------	0-12	- 7-	-62-	28-31- 34	1.25-1.40	1.00-10.00	0.21-0.23	3.0-5.9	3.0-4.0	.37	.37	5	6	48
----------	12-42	- 7-	-59-	30-34- 38	1.25-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
----------	42-60	- 7-	-64-	24-29- 34	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.49	.49			
570C2:														
Nira, moderately eroded----------	0-13	- 7-	-62-	28-31- 34	1.25-1.40	1.00-10.00	0.21-0.23	3.0-5.9	2.2-3.2	.37	.37	5	6	48
----------	13-48	- 7-	-59-	30-34- 38	1.25-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
----------	48-60	- 9-	-62-	24-29- 34	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.49	.49			
581C2:														
Otley, moderately eroded----------	0-8	0- 3- 5	59-66- 72	28-31- 36	1.25-1.35	1.00-10.00	0.21-0.23	3.2-5.8	2.0-3.0	.37	.37	5	6	48
----------	8-56	0- 2- 5	53-59- 68	32-39- 42	1.30-1.40	1.00-10.00	0.18-0.20	6.1-8.0	0.0-1.0	.37	.37			
----------	56-80	0- 2- 5	61-68- 76	24-30- 34	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.49	.49			
Nira, moderately eroded----------	0-12	- 7-	-62-	28-31- 34	1.25-1.40	1.00-10.00	0.21-0.23	3.0-5.9	2.2-3.2	.37	.37	5	6	48
----------	12-42	- 7-	-59-	30-34- 38	1.25-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
----------	42-60	- 7-	-64-	24-29- 34	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.49	.49			
592C2:														
Mystic, moderately eroded----------	0-8	-24-	-51-	22-26- 29	1.40-1.45	1.00-10.00	0.22-0.24	3.0-5.9	2.0-3.0	.43	.43	3	6	48
----------	8-51	-30-	-30-	30-40- 48	1.55-1.65	0.01-0.10	0.15-0.19	6.0-8.9	0.0-0.5	.32	.32			
----------	51-65	-55-	-17-	20-28- 35	1.65-1.75	1.00-10.00	0.16-0.18	3.0-5.9	0.0-0.5	.20	.20			
----------	65-69	-25-	-55-	10-20- 30	1.65-1.75	1.00-100.00	0.11-0.13	0.0-2.9	0.0-0.5	.43	.43			

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					
592D2:														
Mystic, moderately eroded----------	0-6	15-24- 30	50-50- 65	20-26- 27	1.36-1.43	1.00-10.00	0.22-0.24	2.2-3.5	2.0-3.0	.43	.43	3	6	48
----------	6-9	15-29- 40	25-40- 55	30-31- 35	1.46-1.51	1.00-10.00	0.20-0.22	3.7-6.0	0.0-1.0	.37	.37			
----------	9-30	5-29- 40	15-37- 50	30-35- 50	1.50-1.60	0.10-1.00	0.15-0.19	3.4-9.7	0.0-0.5	.32	.32			
----------	30-54	5-30- 35	15-32- 50	30-39- 50	1.45-1.52	0.10-1.00	0.11-0.14	3.4-9.7	0.0-0.5	.28	.28			
----------	54-63	5-34- 35	15-30- 50	30-36- 50	1.45-1.55	0.10-1.00	0.15-0.19	3.4-9.7	0.0-0.5	.32	.32			
----------	63-79	30-65- 70	0-15- 45	10-20- 30	1.41-1.76	10.00-100.00	0.11-0.13	0.6-3.8	0.0-0.5	.17	.17			
594C2:														
Galland, moderately eroded----------	0-8	25-38- 45	30-39- 50	22-23- 27	1.34-1.52	4.23-14.11	0.19-0.21	2.3-3.5	1.5-2.5	.32	.32	3	6	48
----------	8-11	35-40- 50	30-36- 45	20-24- 27	1.43-1.66	4.23-14.11	0.15-0.17	1.8-3.5	0.0-1.0	.37	.37			
----------	11-38	25-29- 35	30-32- 40	35-39- 45	1.46-1.53	0.42-1.40	0.10-0.19	5.1-8.7	0.0-0.5	.28	.28			
----------	38-48	25-29- 35	30-36- 45	30-35- 45	1.44-1.53	0.42-1.40	0.10-0.19	3.0-8.7	0.0-0.5	.32	.32			
----------	48-79	40-51- 52	28-32- 45	10-17- 20	1.47-1.60	4.00-42.00	0.11-0.13	0.6-2.1	0.0-0.5	.32	.32			
594D2:														
Galland, moderately eroded----------	0-8	25-38- 45	30-39- 50	22-23- 27	1.34-1.52	4.23-14.11	0.19-0.21	2.3-3.5	1.5-2.5	.32	.32	3	6	48
----------	8-11	35-40- 50	30-36- 45	20-24- 27	1.43-1.66	4.23-14.11	0.15-0.17	1.8-3.5	0.0-1.0	.37	.37			
----------	11-38	25-29- 35	30-32- 40	35-39- 45	1.46-1.53	0.42-1.40	0.10-0.19	5.1-8.7	0.0-0.5	.28	.28			
----------	38-48	25-29- 35	30-36- 45	30-35- 45	1.44-1.53	0.42-1.40	0.10-0.19	3.0-8.7	0.0-0.5	.32	.32			
----------	48-79	40-51- 52	28-32- 45	10-17- 20	1.47-1.60	4.00-42.00	0.11-0.13	0.6-2.1	0.0-0.5	.32	.32			
594E2:														
Galland, moderately eroded----------	0-8	25-38- 45	30-39- 50	22-23- 27	1.34-1.52	4.23-14.11	0.19-0.21	2.3-3.5	1.5-2.5	.32	.32	3	6	48
----------	8-11	35-40- 50	30-36- 45	20-24- 27	1.43-1.66	4.23-14.11	0.15-0.17	1.8-3.5	0.0-1.0	.37	.37			
----------	11-38	25-29- 35	30-32- 40	35-39- 45	1.46-1.53	0.42-1.40	0.10-0.19	5.1-8.7	0.0-0.5	.28	.28			
----------	38-48	25-29- 35	30-36- 45	30-35- 45	1.44-1.53	0.42-1.40	0.10-0.19	3.0-8.7	0.0-0.5	.32	.32			
----------	48-79	40-51- 52	28-32- 45	10-17- 20	1.47-1.60	4.00-42.00	0.11-0.13	0.6-2.1	0.0-0.5	.32	.32			
688:														
Koszta, rarely flooded----------	0-14	-11-	-68-	18-21- 24	1.30-1.40	1.00-10.00	0.20-0.24	3.0-5.9	3.0-4.0	.37	.37	5	6	48
----------	14-60	- 7-	-62-	28-32- 35	1.30-1.45	1.00-10.00	0.15-0.19	3.0-5.9	0.0-0.5	.43	.43			
715:														
Nodaway, Frequently flooded----------	0-8	1- 8- 15	58-70- 81	18-22- 27	1.25-1.35	1.00-10.00	0.20-0.23	0.0-2.9	2.0-4.0	.37	.37	5	6	48
----------	8-31	1- 7- 15	55-70- 81	18-23- 30	1.25-1.35	1.00-10.00	0.20-0.23	3.0-5.9	0.0-0.5	.49	.49			
----------	31-42	1- 7- 15	55-70- 81	18-23- 30	1.25-1.35	1.00-10.00	0.20-0.23	3.0-5.9	0.0-0.5	.49	.49			
----------	42-80	1- 7- 15	55-70- 81	18-23- 30	1.25-1.35	1.00-10.00	0.20-0.23	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					
Landes, Frequently flooded----------	0-14	-67-	-20-	5-13- 20	1.40-1.60	10.00-100.00	0.13-0.18	0.0-2.9	1.5-2.5	.20	.20	3	3	86
----------	14-23	-63-	-23-	5-15- 18	1.45-1.70	1.00-10.00	0.10-0.15	0.0-2.9	0.0-1.0	.32	.32			
----------	23-32	-63-	-26-	5-12- 18	1.45-1.70	10.00-100.00	0.10-0.15	0.0-2.9	0.0-1.0	.32	.32			
----------	32-60	-80-	-15-	5- 5- 18	1.60-1.70	10.00-100.00	0.05-0.15	0.0-2.9	0.0-1.0	.05	.05			
716:														
Lawson, occasionally flooded----------	0-8	5-12- 18	47-66- 85	10-22- 35	1.20-1.55	1.00-10.00	0.22-0.24	0.0-2.9	3.0-7.0	.32	.32	5	6	48
----------	8-30	5-11- 18	52-69- 85	10-20- 30	1.20-1.55	1.00-10.00	0.18-0.22	0.0-2.9	3.0-7.0	.37	.37			
----------	30-80	5- 7- 40	30-69- 77	18-24- 30	1.50-1.70	1.00-10.00	0.11-0.15	3.0-5.9	1.0-3.0	.43	.43			
Quiver, occasionally flooded----------	0-8	0- 7- 15	40-62- 73	27-31- 35	1.15-1.35	1.00-10.00	0.15-0.20	3.0-5.9	1.0-3.0	.37	.37	5	6	48
----------	8-80	0- 7- 15	40-62- 73	20-31- 35	1.40-1.50	1.00-10.00	0.18-0.22	0.3-5.9	0.0-1.0	.43	.43			
Nodaway, occasionally flooded	0-8	1- 8- 15	58-70- 81	18-22- 27	1.25-1.35	1.00-10.00	0.20-0.23	0.0-2.9	2.0-4.0	.37	.37	5	6	48
----------	8-31	1- 7- 15	55-70- 81	18-23- 30	1.25-1.35	1.00-10.00	0.20-0.23	3.0-5.9	0.0-0.5	.49	.49			
----------	31-42	1- 7- 15	55-70- 81	18-23- 30	1.25-1.35	1.00-10.00	0.20-0.23	3.0-5.9	0.0-0.5	.49	.49			
----------	42-80	1- 7- 15	55-70- 81	18-23- 30	1.25-1.35	1.00-10.00	0.20-0.23	3.0-5.9	0.0-0.5	.49	.49			
730B:														
Nodaway, frequently flooded----------	0-7	1- 6- 12	53-74- 81	18-20- 35	1.25-1.35	1.00-10.00	0.20-0.23	1.9-5.4	2.0-3.0	.37	.37	5	6	48
----------	7-31	1- 6- 12	53-74- 81	18-20- 35	1.25-1.35	1.00-10.00	0.20-0.23	1.9-5.3	0.5-1.5	.49	.49			
----------	31-42	1- 6- 12	53-74- 81	18-20- 35	1.25-1.35	1.00-10.00	0.20-0.23	1.7-5.2	0.0-1.0	.49	.49			
----------	42-79	1- 6- 12	53-74- 81	18-20- 35	1.25-1.35	1.00-10.00	0.20-0.23	1.7-5.1	0.0-0.5	.55	.55			
Cantril----------	0-8	25-41- 50	28-38- 55	15-21- 25	1.37-1.41	1.00-10.00	0.17-0.19	1.5-3.1	2.5-3.5	.28	.28	5	6	48
----------	8-12	25-41- 45	31-38- 55	15-21- 25	1.33-1.54	1.00-10.00	0.17-0.19	1.3-3.0	1.0-3.0	.37	.37			
----------	12-17	25-41- 45	28-38- 50	15-21- 27	1.40-1.48	1.00-10.00	0.17-0.19	1.3-3.8	1.0-3.0	.37	.37			
----------	17-39	25-35- 45	20-34- 48	27-31- 35	1.34-1.60	1.00-10.00	0.14-0.16	2.7-3.9	0.0-1.0	.32	.32			
----------	39-79	25-35- 45	20-34- 48	27-31- 35	1.44-1.53	1.00-10.00	0.14-0.16	2.7-3.9	0.0-1.0	.32	.32			

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					
731C2:														
Pershing, moderately eroded	0-4	0- 3- 5	61-69- 76	24-28- 35	1.37-1.39	1.00-10.00	0.22-0.24	2.9-6.2	2.0-3.0	.49	.49	5	6	48
	4-12	0- 3- 5	60-66- 72	27-31- 35	1.35-1.40	1.00-10.00	0.20-0.22	3.4-6.0	0.5-1.0	.49	.49			
	12-55	1- 3- 4	48-56- 64	35-41- 48	1.38-1.43	0.01-0.10	0.18-0.20	5.4-9.2	0.0-0.5	.43	.43			
	55-79	1- 3- 4	61-65- 72	24-32- 35	1.37-1.40	1.00-10.00	0.18-0.20	2.6-5.9	0.0-0.5	.43	.43			
732C2:														
Weller, moderately eroded	0-6	-20-	-49-	27-32- 36	1.35-1.45	1.00-10.00	0.22-0.24	6.0-8.9	1.5-2.5	.37	.37	5	6	48
	6-44	- 8-	-53-	28-39- 48	1.35-1.50	0.10-1.00	0.12-0.18	6.0-8.9	0.0-0.5	.37	.37			
	44-64	-20-	-48-	25-33- 40	1.40-1.55	1.00-10.00	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			

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					
732D2:														
Weller, moderately eroded	0-7	3- 4- 5	65-69- 70	25-27- 32	1.41-1.45	4.00-14.00	0.22-0.24	3.1-4.6	1.5-2.5	.49	.49	5	6	48
	7-18	3- 4- 5	65-69- 70	25-27- 32	1.34-1.37	1.40-4.00	0.18-0.20	2.8-4.4	0.0-0.5	.55	.55			
	18-25	3- 4- 5	47-54- 66	29-42- 48	1.36-1.44	0.42-1.40	0.12-0.18	3.2-9.6	0.0-0.5	.37	.37			
	25-67	3- 4- 5	56-66- 71	25-30- 39	1.43-1.47	1.40-4.00	0.18-0.20	2.8-6.9	0.0-0.5	.49	.49			
	67-79	3- 4- 5	56-66- 71	25-30- 39	1.40-1.51	1.40-4.00	0.18-0.20	2.8-6.9	0.0-0.5	.49	.49			
779:														
Kalona	0-15	- 8-	-55-	36-38- 39	1.35-1.40	0.10-1.00	0.18-0.20	6.0-8.9	5.0-6.0	.28	.28	5	4	86
	15-30	- 8-	-53-	36-39- 42	1.40-1.45	0.01-0.10	0.14-0.18	6.0-8.9	2.0-3.0	.37	.37			
	30-60	-18-	-52-	26-30- 34	1.45-1.50	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
792C2:														
Armstrong, moderately eroded	0-8	23-34- 50	28-42- 50	12-24- 27	1.32-1.42	4.00-14.00	0.18-0.21	0.9-3.4	1.5-3.0	.37	.37	3	6	48
	8-11	40-50- 52	30-32- 40	15-18- 27	1.36-1.52	4.00-14.00	0.18-0.21	1.2-3.4	0.5-1.0	.43	.43			
	11-14	10-38- 45	20-33- 58	20-30- 35	1.43-1.46	1.00-10.00	0.14-0.16	1.5-6.9	0.5-1.0	.37	.37			
	14-18	20-22- 30	30-41- 50	27-37- 40	1.35-1.44	0.10-1.40	0.14-0.16	2.6-7.7	0.3-1.0	.37	.37			
	18-26	10-25- 30	30-31- 50	40-44- 60	1.44-1.49	0.01-0.10	0.11-0.16	5.7-12.6	0.1-1.0	.32	.32			
	26-54	20-25- 35	30-38- 50	27-37- 40	1.46-1.51	0.10-1.40	0.14-0.16	2.8-7.1	0.1-0.5	.32	.32			
	54-79	20-34- 40	30-34- 50	24-32- 38	1.38-1.52	2.00-10.00	0.12-0.16	2.2-6.4	0.0-0.5	.32	.32			
792D:														
Armstrong	0-9	23-34- 50	28-42- 50	12-24- 27	1.30-1.45	4.00-14.00	0.18-0.21	0.9-3.4	1.5-3.0	.24	.24	3	6	48
	9-13	40-50- 52	30-32- 40	15-18- 27	1.36-1.52	4.00-14.00	0.18-0.21	1.2-3.4	0.5-1.0	.37	.37			
	13-16	40-50- 52	30-32- 40	15-18- 27	1.36-1.52	4.00-14.00	0.18-0.21	1.2-3.4	0.5-1.0	.43	.43			
	16-20	10-38- 45	20-33- 58	20-30- 35	1.40-1.53	1.00-10.00	0.14-0.16	1.5-6.9	0.0-1.0	.37	.37			
	20-30	20-22- 30	30-41- 50	27-37- 40	1.35-1.44	0.10-1.40	0.14-0.16	2.6-7.7	0.3-1.0	.37	.37			
	30-41	10-25- 30	30-31- 50	40-44- 60	1.44-1.49	0.01-0.10	0.11-0.16	5.7-12.6	0.1-1.0	.32	.32			
	41-48	20-25- 35	30-38- 50	27-37- 40	1.46-1.51	0.10-1.40	0.14-0.16	2.8-7.1	0.1-0.5	.32	.32			
	48-79	20-34- 40	30-34- 50	24-32- 38	1.38-1.52	2.00-10.00	0.12-0.16	2.2-6.4	0.0-0.5	.32	.32			
792D2:														
Armstrong, moderately eroded	0-8	10-30- 45	20-46- 75	15-24- 35	1.45-1.50	1.00-10.00	0.17-0.19	3.0-5.9	1.5-2.5	.37	.37	3	6	48
	8-11	10-38- 45	20-33- 70	20-30- 35	1.55-1.65	1.00-10.00	0.14-0.16	4.2-6.1	0.5-1.0	.37	.37			
	11-14	15-38- 40	15-29- 60	25-34- 40	1.55-1.65	1.00-10.00	0.14-0.16	4.2-6.1	0.0-1.0	.32	.32			
	14-26	25-35- 45	10-17- 39	36-48- 60	1.35-1.40	0.01-0.10	0.11-0.13	6.1-13.7	0.0-1.0	.24	.24			
	26-54	30-38- 45	10-30- 40	30-33- 50	1.55-1.65	1.00-10.00	0.14-0.16	4.2-6.1	0.0-1.0	.28	.28			
	54-80	30-38- 45	20-31- 43	27-31- 35	1.55-1.70	1.00-10.00	0.14-0.16	4.2-6.1	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					
795D2:														
Ashgrove, moderately eroded	0-6	12-15- 20	41-52- 61	27-33- 40	1.45-1.50	1.00-14.00	0.16-0.20	3.5-7.4	1.0-2.5	.43	.43	3	6	48
	6-10	6- 8- 20	50-57- 60	30-35- 40	1.45-1.50	0.10-10.00	0.16-0.20	3.4-8.0	0.0-1.0	.43	.43			
	10-15	6- 8- 20	44-52- 55	36-40- 50	1.45-1.50	0.01-1.00	0.15-0.19	6.0-10.4	0.0-0.5	.37	.37			
	15-54	6-15- 20	30-35- 40	45-50- 60	1.32-1.39	0.01-1.00	0.07-0.18	7.7-12.5	0.0-0.5	.28	.28			
	54-79	20-25- 30	30-32- 40	40-43- 45	1.44-1.50	0.01-1.00	0.07-0.18	6.5-8.4	0.0-0.5	.28	.28			
831C2:														
Pershing, moderately eroded, terrace	0-4	0- 3- 5	61-69- 76	24-28- 35	1.37-1.39	1.00-10.00	0.22-0.24	2.9-6.2	2.0-3.0	.49	.49	5	6	48
	4-12	0- 3- 5	60-66- 72	27-31- 35	1.35-1.40	1.00-10.00	0.20-0.22	3.4-6.0	0.5-1.0	.49	.49			
	12-55	1- 3- 4	48-56- 64	35-41- 48	1.38-1.43	0.01-0.10	0.18-0.20	5.4-9.2	0.0-0.5	.43	.43			
	55-79	1- 3- 4	61-65- 72	24-32- 35	1.37-1.40	1.00-10.00	0.18-0.20	2.6-5.9	0.0-0.5	.43	.43			
832C2:														
Weller, moderately eroded, terrace	0-7	3- 4- 5	65-69- 70	25-27- 32	1.41-1.45	4.00-14.00	0.22-0.24	3.1-4.6	1.5-2.5	.49	.49	5	6	48
	7-18	3- 4- 5	65-69- 70	25-27- 32	1.34-1.37	1.40-4.00	0.18-0.20	2.8-4.4	0.0-0.5	.55	.55			
	18-25	3- 4- 5	47-54- 66	29-42- 48	1.36-1.44	0.42-1.40	0.12-0.18	3.2-9.6	0.0-0.5	.37	.37			
	25-67	3- 4- 5	56-66- 71	25-30- 39	1.43-1.47	1.40-4.00	0.18-0.20	2.8-6.9	0.0-0.5	.49	.49			
	67-79	3- 4- 5	56-66- 71	25-30- 39	1.40-1.51	1.40-4.00	0.18-0.20	2.8-6.9	0.0-0.5	.49	.49			
876B:														
Ladoga, terrace	0-7	1- 2- 5	60-73- 81	18-25- 35	1.29-1.36	1.00-10.00	0.18-0.22	3.0-5.9	2.5-3.5	.37	.37	5	6	48
	7-10	1- 2- 5	65-74- 84	15-24- 30	1.39-1.42	1.00-10.00	0.17-0.21	0.0-2.9	1.5-2.5	.49	.49			
	10-14	1- 2- 5	60-70- 79	20-28- 35	1.35-1.36	1.00-10.00	0.17-0.21	3.0-5.9	0.5-1.5	.49	.49			
	14-19	1- 2- 5	53-65- 72	27-33- 42	1.37-1.47	0.10-10.00	0.16-0.20	3.0-5.9	0.5-1.0	.43	.43			
	19-25	1- 2- 5	53-60- 72	27-38- 42	1.38-1.47	0.10-10.00	0.16-0.20	6.0-8.9	0.5-1.0	.37	.37			
	25-32	1- 2- 5	53-62- 72	27-36- 42	1.38-1.47	0.10-10.00	0.16-0.20	6.0-8.9	0.5-1.0	.43	.43			
	32-45	1- 2- 5	53-64- 72	27-34- 42	1.38-1.47	0.10-10.00	0.16-0.20	3.0-5.9	0.5-1.0	.43	.43			
	45-51	1- 2- 5	53-68- 72	27-30- 42	1.42-1.50	0.10-10.00	0.16-0.20	3.0-5.9	0.3-0.8	.49	.49			
	51-60	1- 2- 5	63-72- 75	24-26- 32	1.34-1.38	0.10-10.00	0.15-0.19	3.0-5.9	0.0-0.5	.49	.49			
876C:														
Ladoga, terrace	0-7	1- 2- 5	60-73- 81	18-25- 35	1.29-1.36	1.00-10.00	0.18-0.22	3.0-5.9	2.5-3.5	.37	.37	5	6	48
	7-10	1- 2- 5	65-74- 84	15-24- 30	1.39-1.42	1.00-10.00	0.17-0.21	0.0-2.9	1.5-2.5	.49	.49			
	10-14	1- 2- 5	60-70- 79	20-28- 35	1.35-1.36	1.00-10.00	0.17-0.21	3.0-5.9	0.5-1.5	.49	.49			
	14-19	1- 2- 5	53-65- 72	27-33- 42	1.37-1.47	0.10-10.00	0.16-0.20	3.0-5.9	0.5-1.0	.43	.43			
	19-25	1- 2- 5	53-60- 72	27-38- 42	1.38-1.47	0.10-10.00	0.16-0.20	6.0-8.9	0.5-1.0	.37	.37			
	25-32	1- 2- 5	53-62- 72	27-36- 42	1.38-1.47	0.10-10.00	0.16-0.20	6.0-8.9	0.5-1.0	.43	.43			
	32-45	1- 2- 5	53-64- 72	27-34- 42	1.38-1.47	0.10-10.00	0.16-0.20	3.0-5.9	0.5-1.0	.43	.43			
	45-51	1- 2- 5	53-68- 72	27-30- 42	1.42-1.50	0.10-10.00	0.16-0.20	3.0-5.9	0.3-0.8	.49	.49			
	51-60	1- 2- 5	63-72- 75	24-26- 32	1.34-1.38	0.10-10.00	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					
876C2:														
Ladoga, terrace, eroded	0-6	1- 2- 5	60-73- 81	18-25- 35	1.29-1.36	1.00-10.00	0.18-0.22	3.0-5.9	2.0-3.0	.37	.37	5	6	48
	6-10	1- 2- 5	60-70- 79	20-28- 35	1.35-1.36	1.00-10.00	0.17-0.21	3.0-5.9	0.5-1.5	.49	.49			
	10-19	1- 2- 5	53-65- 72	27-33- 42	1.37-1.47	0.10-10.00	0.16-0.20	3.0-5.9	0.5-1.0	.43	.43			
	19-25	1- 2- 5	53-60- 72	27-38- 42	1.38-1.47	0.10-10.00	0.16-0.20	6.0-8.9	0.5-1.0	.37	.37			
	25-32	1- 2- 5	53-62- 72	27-36- 42	1.38-1.47	0.10-10.00	0.16-0.20	6.0-8.9	0.5-1.0	.43	.43			
	32-45	1- 2- 5	53-64- 72	27-34- 42	1.38-1.47	0.10-10.00	0.16-0.20	3.0-5.9	0.5-1.0	.43	.43			
	45-51	1- 2- 5	53-68- 72	27-30- 42	1.42-1.50	0.10-10.00	0.16-0.20	3.0-5.9	0.3-0.8	.49	.49			
	51-60	1- 2- 5	63-72- 75	24-26- 32	1.34-1.38	0.10-10.00	0.15-0.19	3.0-5.9	0.0-0.5	.49	.49			
880B:														
Clinton, terrace	0-8	1- 3- 5	65-75- 81	18-22- 30	1.30-1.40	1.00-10.00	0.17-0.21	1.9-4.2	2.0-3.0	.37	.37	5	6	48
	8-15	1- 3- 5	70-77- 84	15-20- 25	1.30-1.40	1.00-10.00	0.16-0.20	1.4-3.1	0.5-1.5	.55	.55			

----------	15-20	1- 2- 5	53-65- 72	27-33- 42	1.35-1.45	0.10-10.00	0.16-0.20	2.8-8.4	0.0-1.0	.43	.43			
----------	20-27	1- 2- 5	53-60- 69	30-38- 42	1.35-1.45	0.10-10.00	0.16-0.20	3.4-8.4	0.0-0.8	.43	.43			
----------	27-39	1- 2- 5	53-61- 64	35-37- 42	1.35-1.45	0.10-10.00	0.16-0.20	5.8-8.4	0.0-0.5	.43	.43			
----------	39-47	1- 2- 5	53-63- 64	35-35- 42	1.35-1.45	0.10-10.00	0.16-0.20	5.8-8.4	0.0-0.5	.43	.43			
----------	47-58	1- 2- 5	53-65- 69	30-33- 42	1.35-1.45	0.10-10.00	0.16-0.20	3.4-8.4	0.0-0.5	.43	.43			
----------	58-72	1- 3- 5	53-66- 72	27-31- 42	1.35-1.45	0.10-10.00	0.16-0.20	2.8-8.4	0.0-0.5	.49	.49			
----------	72-79	1- 4- 5	63-68- 81	18-28- 32	1.30-1.40	0.10-10.00	0.16-0.20	1.7-4.4	0.0-0.5	.49	.49			
880C:														
Clinton, terrace-----	0-8	1- 3- 5	65-75- 81	18-22- 30	1.30-1.40	1.00-10.00	0.17-0.21	0.0-2.9	2.0-3.0	.37	.37	5	6	48
----------	8-15	1- 3- 5	70-77- 84	15-20- 25	1.30-1.40	1.00-10.00	0.16-0.20	0.0-2.9	0.5-1.5	.55	.55			
----------	15-20	1- 2- 5	53-65- 72	27-33- 42	1.35-1.45	0.10-10.00	0.16-0.20	3.0-5.9	0.0-1.0	.43	.43			
----------	20-27	1- 2- 5	53-60- 69	30-38- 42	1.35-1.45	0.10-10.00	0.16-0.20	6.0-8.9	0.0-0.8	.43	.43			
----------	27-39	1- 2- 5	53-61- 64	35-37- 42	1.35-1.45	0.10-10.00	0.16-0.20	6.0-8.9	0.0-0.5	.43	.43			
----------	39-47	1- 2- 5	53-63- 64	35-35- 42	1.35-1.45	0.10-10.00	0.16-0.20	6.0-8.9	0.0-0.5	.43	.43			
----------	47-58	1- 2- 5	53-65- 69	30-33- 42	1.35-1.45	0.10-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.43	.43			
----------	58-72	1- 3- 5	53-66- 72	27-31- 42	1.35-1.45	0.10-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.49	.49			
----------	72-79	1- 4- 5	63-68- 81	18-28- 32	1.30-1.40	0.10-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.49	.49			
880C2:														
Clinton, terrace, eroded----------	0-6	1- 3- 5	65-75- 81	18-22- 30	1.30-1.40	1.00-10.00	0.17-0.21	0.0-2.9	1.5-2.5	.43	.43	5	6	48
----------	6-11	1- 3- 5	60-69- 81	18-28- 35	1.30-1.40	1.00-10.00	0.17-0.21	3.0-5.9	0.5-1.5	.49	.49			
----------	11-16	1- 2- 5	53-65- 72	27-33- 42	1.35-1.45	0.10-10.00	0.16-0.20	3.0-5.9	0.0-1.0	.43	.43			
----------	16-23	1- 2- 5	53-60- 69	30-38- 42	1.35-1.45	0.10-10.00	0.16-0.20	6.0-8.9	0.0-0.8	.43	.43			
----------	23-35	1- 2- 5	53-61- 64	35-37- 42	1.35-1.45	0.10-10.00	0.16-0.20	6.0-8.9	0.0-0.5	.43	.43			
----------	35-43	1- 2- 5	53-63- 64	35-35- 42	1.35-1.45	0.10-10.00	0.16-0.20	6.0-8.9	0.0-0.5	.43	.43			
----------	43-54	1- 2- 5	53-65- 69	30-33- 42	1.35-1.45	0.10-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.43	.43			
----------	54-68	1- 3- 5	53-66- 72	27-31- 42	1.35-1.45	0.10-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.49	.49			
----------	68-79	1- 4- 5	63-68- 81	18-28- 32	1.30-1.40	0.10-10.00	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					
881B:														
Otley, terrace-------	0-7	1- 2- 5	55-68- 72	27-30- 40	1.36-1.42	1.00-10.00	0.19-0.23	3.0-5.9	2.5-4.3	.32	.32	5	6	48
----------	7-17	1- 2- 5	55-65- 72	27-33- 40	1.23-1.37	1.00-10.00	0.18-0.22	3.0-5.9	2.0-4.0	.32	.32			
----------	17-26	1- 2- 5	50-61- 67	32-37- 45	1.31-1.36	0.10-10.00	0.17-0.21	6.0-8.9	1.3-3.0	.37	.37			
----------	26-32	1- 2- 5	50-62- 67	32-36- 45	1.36-1.39	0.10-10.00	0.17-0.21	6.0-8.9	1.0-2.5	.43	.43			
----------	32-40	1- 2- 5	50-62- 67	32-36- 45	1.38-1.43	0.10-10.00	0.16-0.20	6.0-8.9	0.5-2.0	.43	.43			
----------	40-46	1- 2- 5	57-63- 72	27-35- 38	1.36-1.44	0.10-10.00	0.16-0.20	3.0-5.9	0.3-1.5	.43	.43			
----------	46-53	1- 2- 5	57-66- 72	27-32- 38	1.38-1.44	0.10-10.00	0.16-0.20	3.0-5.9	0.3-1.0	.43	.43			
----------	53-61	1- 2- 5	57-67- 72	27-31- 38	1.39-1.44	0.10-10.00	0.16-0.20	3.0-5.9	0.3-0.8	.43	.43			
----------	61-73	1- 2- 5	65-70- 79	20-28- 30	1.30-1.36	1.00-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.49	.49			
----------	73-79	1- 3- 5	65-73- 79	20-24- 30	1.30-1.38	1.00-10.00	0.15-0.19	3.0-5.9	0.0-0.5	.49	.49			
881C2:														
Otley, moderately eroded, terrace-----	0-8	1- 2- 5	55-65- 72	27-33- 40	1.23-1.37	1.00-10.00	0.18-0.22	3.0-5.9	2.0-4.0	.32	.32	5	6	48
----------	8-17	1- 2- 5	50-61- 67	32-37- 45	1.31-1.36	0.10-10.00	0.17-0.21	6.0-8.9	1.3-3.0	.37	.37			
----------	17-23	1- 2- 5	50-62- 67	32-36- 45	1.36-1.39	0.10-10.00	0.17-0.21	6.0-8.9	1.0-2.5	.43	.43			
----------	23-31	1- 2- 5	50-62- 67	32-36- 45	1.38-1.43	0.10-10.00	0.16-0.20	6.0-8.9	0.5-2.0	.43	.43			
----------	31-37	1- 2- 5	57-63- 72	27-35- 38	1.36-1.44	0.10-10.00	0.16-0.20	3.0-5.9	0.3-1.5	.43	.43			
----------	37-44	1- 2- 5	57-66- 72	27-32- 38	1.38-1.44	0.10-10.00	0.16-0.20	3.0-5.9	0.3-1.0	.43	.43			
----------	44-52	1- 2- 5	57-67- 72	27-31- 38	1.39-1.44	0.10-10.00	0.16-0.20	3.0-5.9	0.3-0.8	.43	.43			
----------	52-64	1- 2- 5	65-70- 79	20-28- 30	1.30-1.36	1.00-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.49	.49			
----------	64-79	1- 2- 5	65-73- 79	20-25- 30	1.30-1.38	1.00-10.00	0.15-0.19	3.0-5.9	0.0-0.5	.49	.49			
892D2:														
Mystic variant, moderately eroded---	0-7	-20-	-49-	27-31- 35	1.45-1.50	1.00-10.00	0.21-0.23	3.0-5.9	2.0-3.0	.43	.43	3	6	48
----------	7-18	-33-	-32-	30-35- 40	1.45-1.55	0.10-1.00	0.15-0.19	3.0-5.9	0.5-1.0	.32	.32			
----------	18-68	-26-	-29-	35-45- 55	1.55-1.65	0.01-0.10	0.14-0.16	6.0-8.9	0.0-0.5	.28	.28			
977:														
Richwood, rarely flooded----------	0-8	-12-	-70-	15-19- 22	1.35-1.60	1.00-10.00	0.22-0.24	0.0-2.9	3.5-4.5	.37	.37	5	5	56
----------	8-18	-12-	-69-	15-19- 22	1.35-1.60	1.00-10.00	0.22-0.24	0.0-2.9	3.0-4.0	.37	.37			
----------	18-46	- 9-	-67-	18-24- 30	1.55-1.65	1.00-10.00	0.18-0.22	3.0-5.9	0.5-1.0	.49	.49			
----------	46-60	-40-	-45-	10-15- 20	1.55-1.65	10.00-705.00	0.09-0.22	0.0-2.9	0.0-0.5	.37	.37			
977B:														
Richwood, rarely flooded----------	0-8	-12-	-70-	15-19- 22	1.35-1.60	1.00-10.00	0.22-0.24	0.0-2.9	3.5-4.5	.37	.37	5	5	56
----------	8-18	-12-	-69-	15-19- 22	1.35-1.60	1.00-10.00	0.22-0.24	0.0-2.9	3.0-4.0	.37	.37			
----------	18-46	- 9-	-67-	18-24- 30	1.55-1.65	1.00-10.00	0.18-0.22	3.0-5.9	0.5-1.0	.49	.49			
----------	46-60	-40-	-45-	10-15- 20	1.55-1.65	10.00-705.00	0.09-0.22	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					
993D2:														
Gara, moderately eroded----------	0-11	-35-	-39-	24-26- 30	1.50-1.55	1.00-10.00	0.16-0.18	3.0-5.9	2.0-3.0	.32	.32	5	6	48
----------	11-40	-35-	-33-	25-32- 38	1.55-1.75	1.00-10.00	0.16-0.18	3.0-5.9	0.0-0.5	.32	.32			
----------	40-60	-35-	-34-	24-31- 38	1.65-1.75	1.00-10.00	0.16-0.18	3.0-5.9	0.0-0.5	.32	.32			
Armstrong, moderately eroded---	0-8	10-30- 45	20-46- 75	15-24- 35	1.45-1.50	1.00-10.00	0.17-0.19	3.0-5.9	1.5-2.5	.37	.37	3	6	48
----------	8-11	10-38- 45	20-33- 70	20-30- 35	1.55-1.65	1.00-10.00	0.14-0.16	4.2-6.1	0.5-1.0	.37	.37			
----------	11-14	15-38- 40	15-29- 60	25-34- 40	1.55-1.65	1.00-10.00	0.14-0.16	4.2-6.1	0.0-1.0	.32	.32			
----------	14-26	25-35- 45	10-17- 39	36-48- 60	1.35-1.40	0.01-0.10	0.11-0.13	6.1-13.7	0.0-1.0	.24	.24			
----------	26-54	30-38- 45	10-30- 40	30-33- 50	1.55-1.65	1.00-10.00	0.14-0.16	4.2-6.1	0.0-1.0	.28	.28			
----------	54-80	30-38- 45	20-31- 43	27-31- 35	1.55-1.70	1.00-10.00	0.14-0.16	4.2-6.1	0.0-0.5	.32	.32			
1075B:														
Givin, terrace-------	0-11	-26-	-52-	18-22- 26	1.30-1.40	1.00-10.00	0.22-0.24	3.0-5.9	2.5-3.5	.37	.37	5	6	48
----------	11-32	- 7-	-54-	36-39- 42	1.30-1.45	0.10-1.00	0.18-0.20	3.0-5.9	0.5-1.0	.37	.37			
----------	32-60	-17-	-52-	27-31- 34	1.40-1.50	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
1130:														
Belinda, terrace-----	0-7	4- 7- 10	68-71- 74	16-22- 24	1.35-1.40	1.00-10.00	0.22-0.24	1.6-3.0	2.0-3.0	.37	.37	3	6	48
----------	7-20	3- 6- 10	57-71- 73	18-23- 35	1.30-1.35	1.00-10.00	0.20-0.22	1.8-6.1	0.5-2.0	.55	.55			
----------	20-60	1- 4- 7	42-52- 64	35-44- 52	1.30-1.45	0.01-0.10	0.10-0.12	5.9-10.6	0.5-2.0	.37	.37			
----------	60-79	1- 3- 10	55-68- 74	24-29- 35	1.40-1.50	1.00-10.00	0.18-0.20	2.6-5.9	0.0-0.5	.49	.49			
1131B:														
Pershing, terrace----	0-8	0- 3- 5	68-73- 80	20-24- 27	1.38-1.43	1.00-10.00	0.22-0.24	2.2-3.6	2.5-3.5	.43	.43	5	6	48
----------	8-13	0- 3- 5	60-66- 74	25-31- 35	1.35-1.40	1.00-10.00	0.20-0.22	3.0-6.0	0.5-1.0	.49	.49			
----------	13-60	1- 3- 4	48-56- 64	35-41- 48	1.38-1.43	0.01-0.10	0.18-0.20	5.4-9.2	0.0-0.5	.43	.43			
----------	60-79	1- 3- 4	61-65- 72	24-32- 35	1.37-1.40	1.00-10.00	0.18-0.20	2.6-5.9	0.0-0.5	.43	.43			
1132B:														
Weller, terrace------	0-7	3- 4- 5	70-76- 85	10-20- 27	1.37-1.42	4.00-14.00	0.22-0.24	0.8-3.5	2.0-3.0	.43	.43	5	6	48
----------	7-9	1- 4- 11	70-76- 85	10-20- 27	1.36-1.39	4.00-14.00	0.22-0.24	0.8-3.3	0.5-1.0	.55	.55			
----------	9-15	3- 4- 5	65-69- 70	25-27- 32	1.51-1.53	1.40-4.00	0.18-0.20	2.9-5.0	0.0-0.5	.55	.55			
----------	15-24	3- 4- 5	47-54- 66	29-42- 48	1.43-1.48	0.42-1.40	0.12-0.18	2.8-8.6	0.0-0.5	.37	.37			
----------	24-67	3- 4- 5	56-66- 71	25-30- 39	1.44-1.50	1.40-4.00	0.18-0.20	2.6-7.1	0.0-0.5	.49	.49			
----------	67-79	3- 4- 5	56-66- 71	25-30- 39	1.50-1.55	1.40-4.00	0.18-0.20	2.6-7.1	0.0-0.5	.49	.49			
1220:														
Nodaway, frequently flooded, channeled--	0-8	1- 8- 15	58-70- 81	18-22- 27	1.25-1.35	1.00-10.00	0.20-0.23	0.0-2.9	2.0-4.0	.37	.37	5	6	48
----------	8-31	1- 7- 15	55-70- 81	18-23- 30	1.25-1.35	1.00-10.00	0.20-0.23	3.0-5.9	0.0-0.5	.49	.49			
----------	31-42	1- 7- 15	55-70- 81	18-23- 30	1.25-1.35	1.00-10.00	0.20-0.23	3.0-5.9	0.0-0.5	.49	.49			
----------	42-80	1- 7- 15	55-70- 81	18-23- 30	1.25-1.35	1.00-10.00	0.20-0.23	3.0-5.9	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	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
1279:														
Taintor, terrace-----	0-9	1- 2- 5	60-68- 72	25-30- 35	1.30-1.40	1.00-10.00	0.20-0.24	3.0-5.9	3.0-6.0	.32	.32	5	6	48
----------	9-16	1- 2- 5	55-64- 72	26-34- 40	1.30-1.40	1.00-10.00	0.19-0.23	3.0-5.9	2.0-4.0	.32	.32			
----------	16-20	1- 2- 5	55-61- 72	26-37- 40	1.30-1.40	0.10-1.00	0.18-0.22	6.0-8.9	2.0-3.0	.37	.37			
----------	20-24	1- 2- 5	54-57- 66	33-41- 42	1.30-1.45	0.01-0.10	0.15-0.19	6.0-8.9	0.0-1.0	.37	.37			
----------	24-28	1- 2- 5	54-58- 66	33-40- 42	1.30-1.45	0.01-0.10	0.15-0.19	6.0-8.9	0.0-1.0	.43	.43			
----------	28-36	1- 2- 5	54-62- 66	33-36- 42	1.30-1.45	0.10-1.00	0.16-0.20	6.0-8.9	0.0-1.0	.43	.43			
----------	36-46	1- 2- 5	55-65- 68	30-33- 40	1.40-1.50	1.00-10.00	0.16-0.20	3.0-5.9	0.0-1.0	.43	.43			
----------	46-60	1- 3- 5	62-70- 79	20-27- 33	1.40-1.50	1.00-10.00	0.16-0.20	3.0-5.9	0.0-1.0	.49	.49			
1280:														
Mahaska, terrace-----	0-7	1- 2- 10	58-69- 72	27-29- 32	1.10-1.35	1.00-10.00	0.20-0.24	3.0-5.9	3.0-6.0	.37	.37	5	6	48
----------	7-13	1- 2- 10	58-69- 72	27-29- 32	1.20-1.50	1.00-10.00	0.19-0.23	3.0-5.9	2.0-4.0	.37	.37			
----------	13-18	1- 2- 10	58-69- 72	27-29- 32	1.20-1.55	1.00-10.00	0.18-0.22	3.0-5.9	1.5-3.5	.43	.43			
----------	18-24	1- 2- 5	58-65- 72	27-33- 37	1.25-1.60	0.10-10.00	0.18-0.22	3.0-5.9	1.0-3.0	.43	.43			
----------	24-30	0- 2- 5	53-59- 64	35-39- 42	1.20-1.60	0.01-1.00	0.15-0.21	6.0-8.9	1.0-2.0	.37	.37			
----------	30-40	0- 2- 5	53-60- 64	35-38- 42	1.20-1.60	0.01-1.00	0.16-0.21	6.0-8.9	1.0-2.0	.37	.37			
----------	40-61	0- 2- 5	53-62- 64	35-36- 42	1.25-1.65	0.01-1.00	0.16-0.20	6.0-8.9	0.5-1.0	.43	.43			
----------	61-79	0- 3- 5	63-66- 75	24-31- 32	1.40-1.70	1.00-10.00	0.16-0.20	3.0-5.9	0.0-0.5	.49	.49			
1313E:														
Munterville----------	0-4	5-15- 30	40-61- 65	10-24- 25	1.30-1.40	1.41-4.23	0.14-0.16	3.0-5.9	2.0-3.0	.37	.37	5	6	48
----------	4-8	5-20- 30	45-55- 65	20-25- 30	1.30-1.40	1.41-4.23	0.14-0.16	3.0-5.9	1.0-2.0	.49	.49			
----------	8-17	5-15- 20	25-46- 60	30-39- 50	1.50-1.60	0.01-0.42	0.12-0.14	6.0-8.9	0.0-0.5	.37	.37			
----------	17-47	5-10- 20	25-40- 60	35-50- 65	1.50-1.60	0.01-0.42	0.12-0.14	6.0-8.9	0.0-0.5	.32	.32			
----------	47-75	0-10- 20	25-40- 60	30-50- 65	1.50-1.60	0.01-0.42	0.12-0.14	6.0-8.9	0.0-0.5	.32	.32			
----------	75-79	--	--	--	---	0.01-0.42	---	---	---	---	---			
1313E2:														
Munterville, moderately eroded---	0-8	5-15- 30	45-61- 75	10-24- 25	1.38-1.46	1.41-4.23	0.14-0.16	0.7-2.4	1.5-2.5	.49	.49	5	6	48
----------	8-13	5-20- 30	40-50- 65	30-30- 35	1.41-1.44	1.41-4.23	0.14-0.16	3.1-3.9	0.5-1.5	.49	.49			
----------	13-17	5-15- 20	40-46- 64	30-39- 50	1.44-1.48	0.01-0.42	0.12-0.14	3.0-6.5	0.0-0.5	.37	.37			
----------	17-47	5-11- 20	25-40- 60	35-49- 65	1.43-1.51	0.01-0.42	0.12-0.14	2.7-12.5	0.0-0.5	.32	.32			
----------	47-75	0- 9- 20	25-41- 60	30-50- 65	1.31-1.42	0.01-0.42	0.12-0.14	2.0-12.5	0.0-0.5	.32	.32			
----------	75-79	--	--	--	---	0.01-0.42	---	---	---	---	---			
1313F:														
Munterville----------	0-4	5-15- 30	45-61- 75	10-24- 25	1.30-1.36	1.41-4.23	0.14-0.16	0.7-2.4	2.0-3.0	.37	.37	5	6	48
----------	4-8	5-20- 30	45-55- 70	20-25- 27	1.43-1.48	1.41-4.23	0.14-0.16	1.7-2.7	1.0-2.0	.49	.49			
----------	8-17	5-15- 20	40-46- 64	30-39- 50	1.44-1.48	0.01-0.42	0.12-0.14	3.0-6.5	0.0-0.5	.37	.37			
----------	17-47	5-11- 20	25-40- 60	35-49- 65	1.43-1.51	0.01-0.42	0.12-0.14	2.7-12.5	0.0-0.5	.32	.32			
----------	47-75	0- 9- 20	25-41- 60	30-50- 65	1.31-1.42	0.01-0.42	0.12-0.14	2.0-12.5	0.0-0.5	.32	.32			
----------	75-79	--	--	--	---	0.01-0.42	---	---	---	---	---			

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					
1315:														
Landes, frequently flooded, channeled--	0-14	-67-	-20-	5-13- 20	1.40-1.60	10.00-100.00	0.13-0.18	0.0-2.9	1.5-2.5	.20	.20	3	3	86
----------	14-23	-63-	-23-	5-15- 18	1.45-1.70	1.00-10.00	0.10-0.15	0.0-2.9	0.0-1.0	.32	.32			
----------	23-32	-63-	-26-	5-12- 18	1.45-1.70	10.00-100.00	0.10-0.15	0.0-2.9	0.0-1.0	.32	.32			
----------	32-60	-80-	-15-	5- 5- 18	1.60-1.70	10.00-100.00	0.05-0.15	0.0-2.9	0.0-1.0	.05	.05			
Perks, frequently flooded, channeled--	0-9	-85-	- 9-	2- 6- 10	1.50-1.55	10.00-100.00	0.07-0.09	0.0-2.9	0.4-5.0	.10	.10	5	2	134
----------	9-72	-92-	- 2-	2- 6- 10	1.50-1.75	100.00-705.00	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
1716:														
Lawson, channeled, frequently flooded--	0-8	5-12- 18	47-66- 85	10-22- 35	1.20-1.55	1.00-10.00	0.22-0.24	0.0-2.9	3.0-7.0	.32	.32	5	6	48
----------	8-30	5-11- 18	52-69- 85	10-20- 30	1.20-1.55	1.00-10.00	0.18-0.22	0.0-2.9	3.0-7.0	.37	.37			
----------	30-80	5- 7- 40	30-69- 77	18-24- 30	1.50-1.70	1.00-10.00	0.11-0.15	3.0-5.9	1.0-3.0	.43	.43			
Quiver, channeled, frequently flooded--	0-8	0- 7- 15	40-62- 73	27-31- 35	1.15-1.35	1.00-10.00	0.15-0.20	3.0-5.9	1.0-3.0	.37	.37	5	6	48
----------	8-80	0- 7- 15	40-62- 73	20-31- 35	1.40-1.50	1.00-10.00	0.18-0.22	0.3-5.9	0.0-1.0	.43	.43			
Nodaway, channeled, frequently flooded--	0-8	1- 8- 15	58-70- 81	18-22- 27	1.25-1.35	1.00-10.00	0.20-0.23	0.0-2.9	2.0-4.0	.37	.37	5	6	48
----------	8-31	1- 7- 15	55-70- 81	18-23- 30	1.25-1.35	1.00-10.00	0.20-0.23	3.0-5.9	0.0-0.5	.49	.49			
----------	31-42	1- 7- 15	55-70- 81	18-23- 30	1.25-1.35	1.00-10.00	0.20-0.23	3.0-5.9	0.0-0.5	.49	.49			
----------	42-80	1- 7- 15	55-70- 81	18-23- 30	1.25-1.35	1.00-10.00	0.20-0.23	3.0-5.9	0.0-0.5	.49	.49			
1977:														
Richwood variant, rarely flooded------	0-22	-41-	-37-	18-22- 26	1.35-1.45	1.00-10.00	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	5	6	48
----------	22-49	-42-	-37-	18-21- 24	1.40-1.50	1.00-10.00	0.17-0.19	0.0-2.9	0.0-1.0	.37	.37			
----------	49-60	-43-	-40-	12-17- 22	1.50-1.65	1.00-10.00	0.15-0.19	0.0-2.9	0.0-1.0	.43	.43			
4000:														
Urban land----------	---	--	--	--	---	---	---	---	---	---	---	--	---	---
5010:														
Pits, sand and gravel	---	--	--	--	---	---	---	---	---	---	---	--	---	---
5020:														
Dumps, mine----------	---	--	--	--	---	---	---	---	---	---	---	--	---	---
5030:														
Pits, limestone quarry----------	---	--	--	--	---	---	---	---	---	---	---	--	---	---

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					
5040:														
Udorthents, loamy----	---	--	--	--	---	---	---	---	---	---	---	5	---	---
5080:														
Udorthents----------	---	--	--	--	---	---	---	---	---	---	---	5	---	---
6313:														
Orthents----------	---	--	--	--	---	---	---	---	---	---	---	5	---	---
AW:														
Animal waste lagoon--	---	--	--	--	---	---	---	---	---	---	---	--	---	---
BW:														
Built wetland--------	---	--	--	--	---	---	---	---	---	---	---	--	---	---
S54:														
Zook, occasionally flooded----------	0-8	1- 7- 11	46-59- 67	32-34- 45	1.22-1.34	1.00-10.00	0.21-0.23	3.7-7.9	5.0-7.0	.32	.32	5	6	48
----------	8-20	1- 7- 11	44-57- 67	32-36- 45	1.21-1.28	0.10-1.00	0.21-0.23	3.7-7.9	5.0-7.0	.32	.32			
----------	20-38	1- 7- 11	44-52- 65	32-41- 45	1.24-1.30	0.01-0.10	0.11-0.13	4.5-8.9	2.0-4.0	.32	.32			
----------	38-52	1- 8- 11	44-54- 63	36-38- 45	1.20-1.37	0.10-1.00	0.18-0.20	6.4-8.9	2.0-4.0	.32	.32			
----------	52-61	1- 9- 11	44-57- 63	29-34- 45	1.27-1.37	0.10-1.00	0.18-0.20	3.3-8.9	2.0-4.0	.37	.37			
----------	61-79	1- 9- 11	44-59- 69	20-32- 45	1.38-1.46	0.10-1.00	0.18-0.20	2.0-8.5	0.0-1.0	.43	.43			
S220:														
Nodaway,														

occasionally flooded	0-7	1- 6- 12	53-74- 81	18-20- 35	1.25-1.35	1.00-10.00	0.20-0.23	1.9-5.4	2.0-3.0	.37	.37	5	6	48
	7-31	1- 6- 12	53-74- 81	18-20- 35	1.25-1.35	1.00-10.00	0.20-0.23	1.9-5.3	0.5-1.5	.49	.49			
	31-42	1- 6- 12	53-74- 81	18-20- 35	1.25-1.35	1.00-10.00	0.20-0.23	1.7-5.2	0.0-1.0	.49	.49			
	42-79	1- 6- 12	53-74- 81	18-20- 35	1.25-1.35	1.00-10.00	0.20-0.23	1.7-5.1	0.0-0.5	.55	.55			
S453:														
Tuskeego, rarely flooded	0-8	-27-	-54-	16-19- 22	1.35-1.40	1.00-10.00	0.19-0.23	3.0-5.9	3.0-4.0	.37	.37	5	5	56
	8-19	-27-	-54-	16-19- 22	1.35-1.40	1.00-10.00	0.19-0.23	3.0-5.9	1.0-2.0	.49	.49			
	19-24	- 8-	-54-	32-38- 48	1.30-1.45	0.10-1.00	0.13-0.17	6.0-8.9	0.0-2.0	.37	.37			
	24-60	-18-	-48-	28-34- 40	1.40-1.50	1.00-10.00	0.16-0.19	3.0-5.9	0.0-1.0	.37	.37			
Tuskeego, rarely flooded	0-8	5- 6- 15	52-68- 79	16-26- 35	1.36-1.42	4.00-14.00	0.19-0.23	1.6-6.3	2.0-4.0	.37	.37	5	6	48
	8-19	0- 7- 10	60-74- 84	16-19- 35	1.41-1.46	4.00-14.00	0.19-0.23	1.6-6.1	1.0-2.0	.55	.55			
	19-24	0- 6- 10	50-56- 68	25-38- 40	1.39-1.40	0.40-1.40	0.13-0.17	2.8-7.4	0.0-2.0	.37	.37			
	24-79	0- 4- 10	46-58- 67	28-38- 44	1.40-1.42	0.40-1.40	0.16-0.19	3.3-8.3	0.0-1.0	.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					
S732C2:														
Weller, moderately eroded	0-7	3- 4- 5	65-69- 70	25-27- 32	1.37-1.45	4.00-14.00	0.22-0.24	2.4-4.1	1.5-2.5	.49	.49	5	6	48
	7-18	3- 4- 5	65-69- 70	25-27- 32	1.51-1.53	1.40-4.00	0.18-0.20	2.9-5.0	0.0-0.5	.55	.55			
	18-25	3- 4- 5	47-54- 66	29-42- 48	1.43-1.48	0.42-1.40	0.12-0.18	2.8-8.6	0.0-0.5	.37	.37			
	25-67	3- 4- 5	56-66- 71	25-30- 39	1.44-1.50	1.40-4.00	0.18-0.20	2.6-7.1	0.0-0.5	.49	.49			
	67-79	3- 4- 5	56-66- 71	25-30- 39	1.50-1.55	1.40-4.00	0.18-0.20	2.6-7.1	0.0-0.5	.49	.49			
S792D2:														
Armstrong, moderately eroded	0-8	23-34- 50	28-42- 50	12-24- 27	1.36-1.43	4.00-14.00	0.18-0.21	0.9-3.4	1.5-2.5	.37	.37	3	6	48
	8-11	40-50- 52	30-32- 40	15-18- 27	1.36-1.52	4.00-14.00	0.18-0.21	1.2-3.4	0.5-1.0	.43	.43			
	11-14	10-38- 45	20-33- 58	20-30- 35	1.40-1.53	1.00-10.00	0.14-0.16	1.5-6.9	0.0-1.0	.37	.37			
	14-18	20-22- 30	30-41- 50	27-37- 40	1.35-1.44	0.10-1.40	0.14-0.16	2.6-7.7	0.3-1.0	.37	.37			
	18-26	10-25- 30	30-31- 50	40-44- 60	1.44-1.49	0.01-0.10	0.11-0.16	5.7-12.6	0.1-1.0	.32	.32			
	26-54	20-25- 35	30-38- 50	27-37- 40	1.46-1.51	0.10-1.40	0.14-0.16	2.8-7.1	0.1-0.5	.32	.32			
	54-79	20-34- 40	30-34- 50	24-32- 38	1.38-1.52	2.00-10.00	0.12-0.16	2.2-6.4	0.0-0.5	.32	.32			
S993D2:														
Gara, moderately eroded	0-7	23-34- 50	28-42- 50	12-24- 27	1.32-1.42	4.00-14.00	0.18-0.21	1.1-3.7	2.0-3.0	.28	.28	5	6	48
	7-31	20-34- 40	26-33- 50	25-33- 35	1.36-1.54	0.40-1.40	0.13-0.16	2.5-5.1	0.0-1.0	.32	.32			
	31-40	20-34- 40	26-33- 50	25-33- 35	1.36-1.54	0.40-1.40	0.13-0.16	2.5-5.1	0.0-1.0	.32	.32			
	40-79	20-34- 40	30-34- 50	24-32- 38	1.46-1.55	1.40-4.00	0.12-0.16	2.4-5.5	0.0-0.5	.32	.32			
Armstrong, moderately eroded	0-8	23-34- 50	28-42- 50	12-24- 27	1.36-1.43	4.00-14.00	0.18-0.21	0.9-3.4	1.5-2.5	.37	.37	3	6	48
	8-11	40-50- 52	30-32- 40	15-18- 27	1.36-1.52	4.00-14.00	0.18-0.21	1.2-3.4	0.5-1.0	.43	.43			
	11-14	10-38- 45	20-33- 58	20-30- 35	1.40-1.53	1.00-10.00	0.14-0.16	1.5-6.9	0.0-1.0	.37	.37			
	14-18	20-22- 30	30-41- 50	27-37- 40	1.35-1.44	0.10-1.40	0.14-0.16	2.6-7.7	0.3-1.0	.37	.37			
	18-26	10-25- 30	30-31- 50	40-44- 60	1.44-1.49	0.01-0.10	0.11-0.16	5.7-12.6	0.1-1.0	.32	.32			
	26-54	20-25- 35	30-38- 50	27-37- 40	1.46-1.51	0.10-1.40	0.14-0.16	2.8-7.1	0.1-0.5	.32	.32			
	54-79	20-34- 40	30-34- 50	24-32- 38	1.38-1.52	2.00-10.00	0.12-0.16	2.2-6.4	0.0-0.5	.32	.32			
SL:														
Sewage lagoon	---	--	--	--	---	---	---	---	---	---	---	--	---	---
W:														
Water	---	--	--	--	---	---	---	---	---	---	---	--	---	---