Lucas 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					
13B:														
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			
Vesser, occasionally flooded	0-8	8-11- 20	59-66- 70	20-23- 33	1.31-1.40	1.00-10.00	0.20-0.24	2.5-5.0	2.0-5.0	.32	.32	5	6	48
	8-15	8-11- 20	59-66- 70	20-23- 28	1.30-1.39	1.00-10.00	0.20-0.24	2.5-4.0	2.0-3.0	.37	.37			
	15-31	10-10- 20	62-70- 72	18-20- 27	1.44-1.47	1.00-10.00	0.18-0.22	1.9-3.7	1.0-2.0	.49	.49			
	31-66	10-11- 20	50-57- 60	30-32- 35	1.45-1.53	1.00-10.00	0.17-0.21	3.7-5.2	0.0-1.0	.43	.43			
	66-79	10-11- 20	50-57- 60	30-32- 35	1.41-1.44	1.00-10.00	0.17-0.21	3.7-5.1	0.0-0.5	.43	.43			
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			
24D:														
Shelby	0-11	-35-	-34-	27-31- 35	1.50-1.55	1.00-10.00	0.16-0.18	3.0-5.9	3.0-4.0	.24	.24	5	6	48
	11-56	-35-	-33-	30-33- 35	1.55-1.65	1.00-10.00	0.16-0.18	3.0-5.9	0.0-1.0	.32	.32			
	56-60	-35-	-33-	30-33- 35	1.55-1.65	1.00-10.00	0.16-0.18	3.0-5.9	0.0-1.0	.32	.32			
24D2:														
Shelby, moderately eroded	0-6	-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
	6-15	-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			
	15-50	-35-	-33-	30-33- 35	1.55-1.65	1.00-10.00	0.16-0.18	3.0-5.9	0.0-1.0	.32	.32			
	50-60	-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					
24E2:														
Shelby, moderately eroded	0-7	20-35- 45	20-34- 53	27-31- 35	1.50-1.55	1.00-10.00	0.16-0.18	3.3-5.1	1.0-3.0	.28	.28	5	6	48
	7-38	20-34- 45	28-32- 53	27-34- 35	1.55-1.65	1.40-4.00	0.12-0.18	2.8-5.1	0.0-1.0	.28	.28			
	38-60	20-34- 40	30-33- 50	24-33- 35	1.38-1.52	1.40-4.00	0.12-0.16	3.1-5.7	0.0-0.5	.28	.28			
	60-79	20-36- 45	28-34- 53	27-30- 35	1.55-1.65	1.40-4.00	0.15-0.18	2.8-4.9	0.0-0.5	.32	.32			
24E3:														
Shelby, severely eroded	0-5	20-35- 45	21-34- 53	27-31- 35	1.40-1.45	1.00-10.00	0.16-0.18	3.3-5.1	1.0-2.0	.28	.28	4	6	48
	5-38	20-34- 45	28-33- 53	27-33- 35	1.31-1.56	1.40-4.00	0.12-0.18	2.8-5.1	0.0-1.0	.28	.28			
	38-60	20-34- 40	30-34- 50	24-32- 35	1.48-1.56	1.40-4.00	0.12-0.16	2.4-4.9	0.0-0.5	.32	.32			
	60-79	20-36- 45	28-34- 53	27-30- 35	1.42-1.58	1.40-4.00	0.15-0.18	2.8-4.9	0.0-0.5	.32	.32			
24F2:														
Shelby, moderately eroded	0-6	-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
	6-15	-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			
	15-50	-35-	-33-	30-33- 35	1.55-1.65	1.00-10.00	0.16-0.18	3.0-5.9	0.0-1.0	.32	.32			
	50-60	-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			
51:														
Vesser, occasionally flooded	0-8	8-11- 20	59-66- 70	20-23- 33	1.31-1.40	1.00-10.00	0.20-0.24	2.5-5.0	2.0-5.0	.32	.32	5	6	48
	8-15	8-11- 20	59-66- 70	20-23- 28	1.30-1.39	1.00-10.00	0.20-0.24	2.5-4.0	2.0-3.0	.37	.37			
	15-31	10-10- 20	62-70- 72	18-20- 27	1.44-1.47	1.00-10.00	0.18-0.22	1.9-3.7	1.0-2.0	.49	.49			
	31-66	10-11- 20	50-57- 60	30-32- 35	1.45-1.53	1.00-10.00	0.17-0.21	3.7-5.2	0.0-1.0	.43	.43			
	66-79	10-11- 20	50-57- 60	30-32- 35	1.41-1.44	1.00-10.00	0.17-0.21	3.7-5.1	0.0-0.5	.43	.43			
51+:														
Vesser, overwash, occasionally flooded	0-8	-10-	-68-	20-23- 26	1.30-1.35	1.00-10.00	0.20-0.24	1.0-2.9	1.5-2.5	.43	.43	5	6	48
	8-20	-10-	-68-	20-23- 26	1.30-1.35	1.00-10.00	0.20-0.24	1.0-2.9	2.0-3.0	.37	.37			
	20-39	-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			
	39-60	- 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			
51B:														
Vesser, rarely flooded	0-8	8-11- 20	59-66- 70	20-23- 33	1.31-1.40	1.00-10.00	0.20-0.24	2.5-5.0	2.0-5.0	.32	.32	5	6	48
	8-15	8-11- 20	59-66- 70	20-23- 28	1.30-1.39	1.00-10.00	0.20-0.24	2.5-4.0	2.0-3.0	.37	.37			
	15-31	10-10- 20	62-70- 72	18-20- 27	1.44-1.47	1.00-10.00	0.18-0.22	1.9-3.7	1.0-2.0	.49	.49			
	31-66	10-11- 20	50-57- 60	30-32- 35	1.45-1.53	1.00-10.00	0.17-0.21	3.7-5.2	0.0-1.0	.43	.43			
	66-79	10-11- 20	50-57- 60	30-32- 35	1.41-1.44	1.00-10.00	0.17-0.21	3.7-5.1	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					
51B+:														
Vesser, overwash, occasionally flooded	0-14	-10-	-68-	20-23- 26	1.30-1.35	1.00-10.00	0.20-0.24	3.0-5.9	1.5-2.5	.43	.43	5	6	48
	14-33	-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			
	33-60	- 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			
54:														
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			
54+:														
Zook, occasionally flooded, overwash	0-8	5-13- 20	54-65- 75	20-23- 26	1.30-1.44	1.00-10.00	0.21-0.24	2.2-3.3	2.0-3.0	.43	.43	5	6	48
	8-33	1- 8- 14	44-57- 67	32-36- 45	1.17-1.25	0.10-1.00	0.18-0.23	3.7-7.9	5.0-7.0	.32	.32			
	33-51	1- 8- 14	41-52- 65	32-41- 45	1.24-1.31	0.10-1.00	0.11-0.13	4.5-8.9	2.0-4.0	.32	.32			
	51-61	1- 8- 14	44-55- 63	36-38- 45	1.27-1.37	0.10-1.00	0.18-0.20	6.4-8.9	2.0-4.0	.32	.32			
	61-74	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			
	74-79	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			
54B:														
Zook, rarely 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			
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			

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					
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			
65F2:														
Lindley, moderately eroded----------	0-5	35-45- 52	32-44- 50	10-11- 18	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
----------	5-8	35-44- 52	34-46- 50	8- 9- 16	1.57-1.61	4.00-14.00	0.19-0.21	0.7-1.7	0.5-1.5	.49	.49			
----------	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			
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			
65G2:														
Lindley, moderately eroded----------	0-5	-40-	-38-	18-23- 27	1.20-1.40	1.00-10.00	0.16-0.18	0.0-2.9	1.5-2.5	.37	.37	5	6	48
----------	5-39	-34-	-37-	25-30- 35	1.40-1.60	1.00-10.00	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
----------	39-60	-34-	-38-	18-28- 32	1.45-1.65	1.00-10.00	0.12-0.16	3.0-5.9	0.1-0.5	.37	.37			
93D2:														
Shelby, moderately eroded----------	0-6	-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
----------	6-15	-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			
----------	15-50	-35-	-33-	30-33- 35	1.55-1.65	1.00-10.00	0.16-0.18	3.0-5.9	0.0-1.0	.32	.32			
----------	50-60	-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			
Adair, moderately eroded----------	0-6	-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
----------	6-30	-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			
----------	30-60	-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			
94D2:														
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			

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					
Caleb, moderately eroded----------	0-8	25-30- 50	28-46- 53	22-24- 26	1.38-1.45	1.00-10.00	0.14-0.18	2.5-3.6	2.0-3.0	.37	.37	5	6	48
----------	8-13	20-35- 45	30-45- 62	15-20- 25	1.42-1.52	1.00-10.00	0.14-0.18	0.9-2.3	0.0-1.0	.43	.43			
----------	13-34	35-40- 65	1-28- 53	10-32- 34	1.53-1.63	1.00-10.00	0.12-0.16	0.8-4.9	0.0-0.5	.28	.28			
----------	34-58	35-40- 65	3-30- 53	10-30- 34	1.55-1.64	1.00-10.00	0.12-0.16	0.8-4.9	0.0-0.5	.32	.32			
----------	58-68	35-40- 65	3-30- 53	10-30- 34	1.44-1.59	1.00-10.00	0.12-0.16	0.8-4.8	0.0-0.5	.32	.32			
----------	68-79	40-42- 85	0-30- 50	10-28- 34	1.46-1.68	1.00-10.00	0.12-0.16	0.8-4.8	0.0-0.5	.32	.32			
94E2:														
Mystic, moderately eroded----------	0-9	-35-	-34-	27-31- 35	1.40-1.45	1.00-10.00	0.22-0.24	3.0-5.9	2.0-3.0	.32	.32	3	6	48
----------	9-51	-30-	-32-	30-39- 48	1.55-1.65	0.10-1.00	0.15-0.19	6.0-8.9	0.0-0.5	.28	.28			
----------	51-60	-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			
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
----------	7-43	-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			
----------	43-60	-35-	-38-	5-28- 30	1.55-1.75	1.00-10.00	0.12-0.16	0.0-2.9	0.0-0.5	.37	.37			
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			
131C2:														
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			
131D2:														
Pershing, moderately eroded----------	0-4	2- 3- 10	58-66- 70	27-31- 37	1.36-1.44	1.00-10.00	0.22-0.24	3.6-6.8	2.0-3.0	.43	.43	5	6	48
----------	4-12	2- 4- 8	60-62- 70	28-34- 38	1.40-1.47	1.00-10.00	0.20-0.22	3.7-6.9	0.5-1.0	.43	.43			
----------	12-55	1- 2- 4	44-54- 59	38-44- 55	1.27-1.45	0.01-0.10	0.18-0.20	6.6-11.1	0.0-0.5	.37	.37			
----------	55-79	1- 3- 11	59-66- 72	27-31- 34	1.38-1.46	1.00-10.00	0.18-0.20	3.2-4.8	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					
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			
132C2:														
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			
132D2:														
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			
172:														
Wabash, occasionally flooded----------	0-8	-10-	-48-	27-42- 50	1.35-1.50	0.10-1.00	0.21-0.24	6.0-8.9	4.0-6.0	.28	.28	5	4	86
----------	8-60	- 5-	-45-	40-50- 60	1.20-1.45	0.01-0.10	0.08-0.12	9.0-25.0	1.0-2.0	.28	.28			
179D2:														
Gara, 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	2.0-3.0	.28	.28	5	6	48
----------	7-47	-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			
----------	47-60	-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			
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			

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					
179E2:														
Gara, moderately eroded----------	0-6	20-35- 50	15-34- 53	27-31- 35	1.50-1.55	1.00-10.00	0.16-0.18	3.3-5.1	1.0-2.0	.32	.32	5	6	48
----------	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- 45	20-33- 53	27-33- 35	1.50-1.55	1.40-4.00	0.16-0.18	3.1-5.1	0.5-2.0	.28	.28			
----------	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			
179E3:														
Gara, severely eroded	0-7	-35-	-34-	27-31- 35	1.50-1.55	1.00-10.00	0.16-0.18	3.0-5.9	1.0-2.0	.28	.28	4	6	48
----------	7-47	-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			
----------	47-60	-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			
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			
179F2:														
Gara, moderately eroded----------	0-7	20-35- 45	20-34- 53	27-31- 35	1.36-1.40	1.00-10.00	0.14-0.18	3.2-5.2	1.5-3.0	.32	.32	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- 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			
179G2:														
Gara, 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	2.0-3.0	.28	.28	5	6	48
----------	7-47	-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			
----------	47-60	-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			
192C2:														
Adair, moderately eroded----------	0-8	15-21- 30	30-48- 60	25-31- 40	1.37-1.41	0.10-1.00	0.17-0.19	2.8-7.5	2.0-3.0	.37	.37	3	6	48
----------	8-17	15-25- 35	5-26- 47	38-49- 60	1.33-1.47	0.10-1.00	0.09-0.11	5.8-12.7	0.5-1.0	.24	.24			
----------	17-51	20-25- 35	27-41- 49	30-34- 40	1.45-1.56	0.10-1.00	0.14-0.16	3.2-7.1	0.0-0.5	.37	.37			
----------	51-68	20-33- 45	17-34- 50	30-34- 38	1.41-1.49	0.10-1.00	0.14-0.16	3.2-6.6	0.0-0.5	.32	.32			
----------	68-79	20-33- 45	17-34- 50	30-34- 38	1.41-1.49	0.10-1.00	0.14-0.16	3.2-6.6	0.0-0.5	.32	.32			
192D2:														
Adair, moderately eroded----------	0-8	15-21- 30	30-48- 60	25-31- 40	1.37-1.41	0.10-1.00	0.17-0.19	2.8-7.5	2.0-3.0	.37	.37	3	6	48
----------	8-17	15-25- 35	5-26- 47	38-49- 60	1.33-1.47	0.10-1.00	0.09-0.11	5.8-12.7	0.5-1.0	.24	.24			
----------	17-51	20-25- 35	27-41- 49	30-34- 40	1.45-1.56	0.10-1.00	0.14-0.16	3.2-7.1	0.0-0.5	.37	.37			
----------	51-68	20-33- 45	17-34- 50	30-34- 38	1.41-1.49	0.10-1.00	0.14-0.16	3.2-6.6	0.0-0.5	.32	.32			
----------	68-79	20-33- 45	17-34- 50	30-34- 38	1.41-1.49	0.10-1.00	0.14-0.16	3.2-6.6	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					
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			
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			
222C3:														
Clarinda----------	0-8	0- 5- 6	56-62- 73	27-33- 38	1.40-1.45	1.00-10.00	0.11-0.14	3.3-6.9	1.0-2.0	.43	.43	2	6	48
----------	8-12	0- 8- 12	33-45- 60	40-47- 55	1.30-1.45	0.01-0.10	0.10-0.12	6.3-11.1	0.0-0.5	.32	.32			
----------	12-60	0- 7- 12	28-40- 57	40-53- 60	1.28-1.36	0.01-0.10	0.08-0.12	6.3-12.5	0.0-0.5	.28	.28			
----------	60-79	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			
222D2:														
Clarinda----------	0-8	0- 5- 6	56-62- 73	27-33- 38	1.36-1.42	1.00-10.00	0.14-0.16	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	0.11-0.14	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	0.09-0.14	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			

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					
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			

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	0- 7- 10	60-65- 73	24-28- 30	1.26-1.40	1.00-10.00	0.21-0.23	3.0-4.2	3.0-4.0	.37	.37	5	6	48
	8-11	0- 7- 10	60-65- 73	24-28- 30	1.23-1.34	1.00-10.00	0.22-0.24	3.0-4.2	3.0-4.0	.32	.32			
	11-25	0- 5- 10	64-73- 82	18-22- 26	1.39-1.44	1.00-10.00	0.22-0.24	1.9-3.3	1.0-2.0	.49	.49			
	25-31	0- 5- 10	55-63- 70	30-32- 35	1.36-1.40	1.00-10.00	0.18-0.20	4.0-6.1	0.5-1.5	.43	.43			
	31-72	0- 7- 10	42-54- 65	35-39- 48	1.35-1.42	0.10-1.00	0.13-0.18	6.0-9.4	1.0-1.5	.37	.37			
	72-79	0- 9- 10	52-56- 65	30-35- 38	1.40-1.44	0.10-1.00	0.18-0.20	4.0-6.8	0.5-1.0	.43	.43			
269+:														
Humeston, overwash, occasionally flooded	0-14	-24-	-51-	24-26- 27	1.35-1.40	1.00-10.00	0.21-0.23	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	14-24	-25-	-52-	20-23- 26	1.30-1.35	1.00-10.00	0.20-0.22	3.0-5.9	1.0-2.0	.49	.49			
	24-60	- 8-	-51-	30-41- 48	1.35-1.50	0.01-0.10	0.13-0.15	6.0-8.9	0.5-1.0	.37	.37			
273B:														
Olmitz	0-6	20-43- 50	25-31- 50	22-26- 35	1.38-1.52	1.00-10.00	0.16-0.21	2.6-5.4	1.0-4.0	.17	.17	5	6	48
	6-10	20-45- 50	25-28- 50	22-27- 35	1.36-1.51	1.00-10.00	0.16-0.21	2.6-5.4	1.0-3.0	.17	.17			
	10-16	20-45- 50	25-28- 50	22-27- 35	1.36-1.51	1.00-10.00	0.16-0.21	2.6-5.4	1.0-3.0	.24	.24			
	16-20	20-45- 50	25-28- 50	22-27- 35	1.36-1.51	1.00-10.00	0.16-0.21	2.6-5.4	1.0-3.0	.24	.24			
	20-36	20-42- 45	25-30- 50	27-28- 35	1.36-1.47	1.00-10.00	0.10-0.17	2.4-5.3	0.5-2.0	.24	.24			
	36-79	20-37- 45	25-32- 50	27-31- 35	1.41-1.51	1.00-10.00	0.10-0.17	2.4-5.2	0.5-1.0	.28	.28			
273C:														
Olmitz	0-6	20-43- 50	25-31- 50	22-26- 35	1.38-1.52	1.00-10.00	0.16-0.21	2.6-5.4	1.0-4.0	.17	.17	5	6	48
	6-28	20-45- 50	25-28- 50	22-27- 35	1.36-1.51	1.00-10.00	0.16-0.21	2.6-5.4	1.0-3.0	.17	.17			
	28-48	20-42- 45	25-30- 50	27-28- 35	1.36-1.47	1.00-10.00	0.10-0.17	2.4-5.3	0.5-2.0	.28	.28			
	48-79	20-37- 45	25-32- 50	27-31- 35	1.41-1.51	1.00-10.00	0.10-0.17	2.4-5.2	0.5-1.0	.28	.28			
312B:														
Seymour	0-8	0- 1- 3	71-74- 77	22-25- 26	1.37-1.41	1.00-10.00	0.22-0.24	2.6-3.4	3.0-4.0	.43	.43	5	6	48
	8-13	0- 2- 3	58-64- 73	24-34- 39	1.26-1.30	0.10-1.00	0.18-0.20	2.9-7.7	2.0-3.0	.43	.43			
	13-19	0- 2- 3	54-59- 63	34-39- 43	1.36-1.45	0.01-0.10	0.12-0.18	4.8-8.0	0.5-1.0	.43	.43			
	19-64	0- 2- 3	43-53- 63	36-45- 54	1.32-1.39	0.01-0.10	0.12-0.18	5.7-10.8	0.0-0.5	.37	.37			
	64-79	0- 3- 3	62-63- 70	27-34- 35	1.37-1.44	1.00-10.00	0.18-0.20	3.5-5.9	0.0-0.5	.43	.43			
312C2:														
Seymour	0-8	0- 2- 3	62-64- 69	28-34- 35	1.38-1.39	1.00-10.00	0.18-0.20	3.7-6.2	2.0-3.0	.43	.43	5	6	48
	8-15	0- 2- 3	54-59- 63	34-39- 43	1.36-1.45	0.01-0.10	0.12-0.18	4.8-8.0	0.5-1.0	.43	.43			
	15-64	0- 2- 3	43-53- 63	36-45- 54	1.32-1.39	0.01-0.10	0.12-0.18	5.7-10.8	0.0-0.5	.37	.37			
	64-79	0- 3- 3	62-63- 70	27-34- 35	1.39-1.44	1.00-10.00	0.18-0.20	3.5-5.9	0.0-0.5	.43	.43			
354:														
Aquolls, channeled, ponded	0-80	--	--	--	---	0.01-10.00	---	---	---	---	---	5	---	---

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					
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			
364B:														
Grundy	0-12	3- 5- 6	61-66- 66	28-29- 33	1.05-1.50	1.40-4.00	0.20-0.23	3.7-5.1	2.0-5.0	.32	.32	5	6	48
	12-17	1- 2- 3	52-54- 65	32-44- 45	1.20-1.65	0.40-1.40	0.12-0.14	4.4-8.7	0.5-2.0	.32	.32			
	17-35	1- 2- 3	47-56- 57	40-42- 50	1.25-1.60	0.42-1.40	0.11-0.13	6.5-9.9	0.0-1.0	.37	.37			
	35-60	1- 2- 3	60-62- 67	30-36- 40	1.40-1.70	0.42-1.40	0.15-0.20	3.7-7.1	0.0-0.5	.43	.43			
	60-79	1- 2- 3	60-63- 67	31-35- 40	1.40-1.70	0.42-1.40	0.15-0.20	3.9-7.1	0.0-0.5	.43	.43			
423C2:														
Bucknell	0-8	15-18- 20	45-54- 58	27-28- 35	1.37-1.43	1.00-10.00	0.21-0.23	3.3-6.2	2.0-3.0	.37	.37	3	6	48
	8-11	15-18- 20	45-53- 58	27-29- 35	1.42-1.51	1.00-10.00	0.21-0.23	3.0-6.0	0.0-1.0	.49	.49			
	11-18	10-11- 35	25-40- 45	40-49- 50	1.41-1.48	0.01-0.10	0.14-0.16	6.2-9.7	0.0-0.5	.32	.32			
	18-43	20-30- 40	25-31- 50	30-39- 40	1.46-1.55	1.00-10.00	0.14-0.18	3.5-7.1	0.0-0.5	.28	.28			
	43-79	25-33- 45	25-35- 45	30-32- 35	1.45-1.49	1.00-10.00	0.14-0.18	3.5-5.9	0.0-0.5	.32	.32			
423D:														
Bucknell	0-8	15-18- 20	45-54- 58	27-28- 35	1.37-1.43	1.00-10.00	0.21-0.23	3.3-6.2	2.0-3.0	.37	.37	3	6	48
	8-11	15-18- 20	45-53- 58	27-29- 35	1.42-1.51	1.00-10.00	0.21-0.23	3.0-6.0	0.0-1.0	.49	.49			
	11-18	10-11- 35	25-40- 45	40-49- 50	1.41-1.48	0.01-0.10	0.14-0.16	6.2-9.7	0.0-0.5	.32	.32			
	18-43	20-30- 40	25-31- 50	30-39- 40	1.46-1.55	1.00-10.00	0.14-0.18	3.5-7.1	0.0-0.5	.28	.28			
	43-79	25-33- 45	25-35- 45	30-32- 35	1.45-1.49	1.00-10.00	0.14-0.18	3.5-5.9	0.0-0.5	.32	.32			
423D2:														
Bucknell	0-7	15-18- 20	45-53- 58	27-29- 35	1.37-1.42	1.00-10.00	0.21-0.23	3.3-6.2	2.0-3.0	.37	.37	3	6	48
	7-9	15-18- 20	45-53- 58	27-29- 35	1.42-1.51	1.00-10.00	0.21-0.23	3.0-6.0	0.0-1.0	.49	.49			
	9-18	10-11- 35	25-40- 45	40-49- 50	1.41-1.48	0.01-0.10	0.14-0.16	6.2-9.7	0.0-0.5	.32	.32			
	18-43	20-30- 40	25-31- 50	30-39- 40	1.46-1.55	1.00-10.00	0.14-0.18	3.5-7.1	0.0-0.5	.28	.28			
	43-79	25-33- 45	25-35- 45	30-32- 35	1.45-1.49	1.00-10.00	0.14-0.18	3.5-5.9	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	0-7	20-35- 45	20-34- 53	27-31- 35	1.39-1.42	1.00-10.00	0.16-0.18	3.1-6.0	1.5-2.5	.32	.32	3	6	48
	7-34	20-23- 25	25-29- 35	40-48- 55	1.37-1.45	0.01-0.10	0.11-0.15	6.4-11.3	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					
430:														
Ackmore, occasionally flooded	0-8	-10-	-68-	18-23- 27	1.25-1.30	1.00-10.00	0.21-0.23	3.0-5.9	1.0-3.0	.43	.43	5	6	48
	8-28	- 9-	-67-	18-24- 30	1.25-1.30	1.00-10.00	0.21-0.23	3.0-5.9	1.0-3.0	.43	.43			
	28-60	- 7-	-61-	26-32- 38	1.30-1.40	1.00-10.00	0.18-0.20	6.0-8.9	3.0-5.0	.32	.32			
451D2:														
Caleb, moderately eroded	0-8	25-30- 50	28-46- 53	22-24- 26	1.38-1.45	1.00-10.00	0.14-0.18	2.5-3.6	2.0-3.0	.37	.37	5	6	48
	8-13	20-35- 45	30-45- 62	15-20- 25	1.42-1.52	1.00-10.00	0.14-0.18	0.9-2.3	0.0-1.0	.43	.43			
	13-34	35-40- 65	1-28- 53	10-32- 34	1.53-1.63	1.00-10.00	0.12-0.16	0.8-4.9	0.0-0.5	.28	.28			
	34-58	35-40- 65	3-30- 53	10-30- 34	1.55-1.64	1.00-10.00	0.12-0.16	0.8-4.9	0.0-0.5	.32	.32			
	58-68	35-40- 65	3-30- 53	10-30- 34	1.44-1.59	1.00-10.00	0.12-0.16	0.8-4.8	0.0-0.5	.32	.32			
	68-79	40-42- 85	0-30- 50	10-28- 34	1.46-1.68	1.00-10.00	0.12-0.16	0.8-4.8	0.0-0.5	.32	.32			
451E2:														
Caleb, moderately														

eroded	0-8	25-30- 50	28-46- 53	22-24- 26	1.38-1.45	1.00-10.00	0.14-0.18	2.5-3.6	2.0-3.0	.37	.37	5	6	48
	8-13	20-35- 45	30-45- 62	15-20- 25	1.42-1.52	1.00-10.00	0.14-0.18	0.9-2.3	0.0-1.0	.43	.43			
	13-34	35-40- 65	1-28- 53	10-32- 34	1.53-1.63	1.00-10.00	0.12-0.16	0.8-4.9	0.0-0.5	.28	.28			
	34-58	35-40- 65	3-30- 53	10-30- 34	1.55-1.64	1.00-10.00	0.12-0.16	0.8-4.9	0.0-0.5	.32	.32			
	58-68	35-40- 65	3-30- 53	10-30- 34	1.44-1.59	1.00-10.00	0.12-0.16	0.8-4.8	0.0-0.5	.32	.32			
	68-79	40-42- 85	0-30- 50	10-28- 34	1.46-1.68	1.00-10.00	0.12-0.16	0.8-4.8	0.0-0.5	.32	.32			
452C:														
Lineville	0-8	5-18- 20	50-57- 71	18-25- 30	1.45-1.50	1.00-10.00	0.16-0.20	1.9-4.4	2.0-3.0	.32	.32	5	6	48
	8-11	5-16- 20	55-62- 73	18-22- 25	1.45-1.50	1.00-10.00	0.16-0.20	1.9-3.3	0.5-1.5	.49	.49			
	11-15	10-20- 40	30-48- 62	28-32- 35	1.50-1.55	1.00-10.00	0.17-0.21	3.0-5.1	0.0-0.5	.43	.43			
	15-33	25-35- 50	17-37- 53	20-28- 35	1.65-1.75	1.00-10.00	0.11-0.21	1.8-5.1	0.0-0.5	.37	.37			
	33-55	15-31- 45	4-32- 57	28-37- 55	1.46-1.57	0.10-1.00	0.06-0.18	2.9-9.6	0.0-0.5	.32	.32			
	55-79	25-31- 45	22-40- 51	24-29- 40	1.42-1.58	1.00-10.00	0.11-0.21	2.3-6.2	0.0-0.5	.37	.37			
452C2:														
Lineville, moderately eroded	0-8	5-18- 20	50-57- 71	18-25- 30	1.45-1.50	1.00-10.00	0.16-0.20	1.9-4.4	1.0-2.5	.43	.43	5	6	48
	8-15	10-20- 40	30-48- 62	28-32- 35	1.50-1.55	1.00-10.00	0.17-0.21	3.0-5.1	0.0-0.5	.43	.43			
	15-33	25-35- 50	17-37- 53	20-28- 35	1.65-1.75	1.00-10.00	0.11-0.21	1.8-5.1	0.0-0.5	.37	.37			
	33-55	15-31- 45	4-32- 57	28-37- 55	1.46-1.57	0.10-1.00	0.06-0.18	2.9-9.6	0.0-0.5	.32	.32			
	55-79	25-31- 45	22-40- 51	24-29- 40	1.42-1.58	1.00-10.00	0.11-0.21	2.3-6.2	0.0-0.5	.37	.37			
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					
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			
470D2:														
Lamoni, moderately eroded	0-10	15-19- 20	40-48- 50	30-33- 40	1.26-1.41	1.00-10.00	0.17-0.21	3.3-7.5	2.0-3.5	.37	.37	3	6	48
	10-24	20-27- 35	25-29- 42	38-44- 50	1.41-1.48	0.01-0.10	0.13-0.17	5.8-9.7	0.0-0.5	.28	.28			
	24-53	20-31- 35	25-33- 42	32-36- 40	1.46-1.51	0.10-1.00	0.14-0.18	3.8-7.1	0.0-0.5	.32	.32			
	53-79	20-32- 35	25-31- 42	32-37- 40	1.40-1.48	0.10-1.00	0.14-0.18	3.8-7.1	0.0-0.5	.28	.28			
Shelby, moderately eroded	0-7	20-35- 45	28-34- 53	27-31- 35	1.36-1.52	1.00-10.00	0.16-0.18	3.3-5.2	1.5-3.0	.28	.28	5	6	48
	7-49	20-34- 45	28-33- 53	27-33- 35	1.31-1.56	1.40-4.00	0.12-0.18	2.8-5.1	0.0-1.0	.28	.28			
	49-60	20-34- 40	30-34- 50	24-32- 35	1.48-1.56	1.40-4.00	0.12-0.16	2.4-4.9	0.0-0.5	.32	.32			
	60-79	20-36- 45	28-34- 53	27-30- 35	1.42-1.58	1.40-4.00	0.15-0.18	2.8-4.9	0.0-0.5	.32	.32			
484:														
Lawson, occasionally flooded	0-8	5-12- 18	55-66- 85	10-22- 27	1.26-1.34	1.00-10.00	0.22-0.24	1.0-3.9	3.0-7.0	.32	.32	5	6	48
	8-30	5-11- 18	52-69- 85	10-20- 30	1.10-1.35	1.00-10.00	0.18-0.22	1.0-4.5	3.0-7.0	.37	.37			
	30-79	5- 7- 40	42-69- 77	18-24- 30	1.34-1.38	1.00-10.00	0.11-0.15	1.9-4.4	1.0-3.0	.43	.43			
531B:														
Kniffin	0-8	1- 5- 6	68-73- 81	18-22- 26	1.37-1.44	1.00-10.00	0.22-0.24	1.3-3.6	2.0-3.0	.49	.49	5	6	48
	8-14	1- 5- 6	68-69- 75	19-26- 26	1.40-1.44	1.00-10.00	0.22-0.24	1.7-4.8	1.0-2.0	.49	.49			
	14-19	1- 4- 5	56-64- 69	30-32- 42	1.37-1.41	1.00-10.00	0.18-0.20	3.4-8.9	0.5-1.0	.49	.49			
	19-40	1- 2- 5	42-49- 54	45-49- 54	1.33-1.40	0.01-0.10	0.12-0.14	8.4-11.0	0.5-1.0	.32	.32			
	40-60	1- 2- 5	51-62- 69	30-36- 48	1.40-1.42	0.10-1.00	0.18-0.20	3.7-9.2	0.0-0.5	.43	.43			
	60-68	1- 3- 5	62-69- 74	25-28- 35	1.37-1.40	1.00-10.00	0.18-0.20	2.8-5.9	0.0-0.5	.49	.49			
	68-79	1- 3- 5	62-69- 74	25-28- 35	1.35-1.35	1.00-10.00	0.18-0.20	2.8-5.9	0.0-0.5	.49	.49			
531C:														
Kniffin	0-8	1- 5- 6	68-73- 81	18-22- 26	1.38-1.45	1.00-10.00	0.22-0.24	1.3-3.6	1.5-2.7	.49	.49	5	6	48
	8-14	1- 5- 6	68-69- 75	19-26- 26	1.40-1.44	1.00-10.00	0.22-0.24	1.7-4.8	1.0-2.0	.49	.49			
	14-19	1- 4- 5	56-64- 69	30-32- 42	1.37-1.41	1.00-10.00	0.18-0.20	3.4-8.9	0.5-1.0	.49	.49			
	19-40	1- 2- 5	42-49- 54	45-49- 54	1.33-1.40	0.01-0.10	0.12-0.14	8.4-11.0	0.5-1.0	.32	.32			
	40-60	1- 2- 5	51-62- 69	30-36- 48	1.40-1.42	0.10-1.00	0.18-0.20	3.7-9.2	0.0-0.5	.43	.43			
	60-68	1- 3- 5	62-69- 74	25-28- 35	1.37-1.40	1.00-10.00	0.18-0.20	2.8-5.9	0.0-0.5	.49	.49			
	68-79	1- 3- 5	62-69- 74	25-28- 35	1.35-1.35	1.00-10.00	0.18-0.20	2.8-5.9	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					
531C2:														
Kniffin	0-8	1- 5- 6	66-67- 77	22-28- 29	1.41-1.46	1.00-10.00	0.22-0.24	1.9-4.5	1.0-2.0	.49	.49	5	6	48
	8-14	1- 4- 5	56-64- 69	30-32- 42	1.37-1.41	1.00-10.00	0.18-0.20	3.4-8.9	0.5-1.0	.49	.49			
	14-40	1- 2- 5	42-49- 54	45-49- 54	1.33-1.40	0.01-0.10	0.12-0.14	8.4-11.0	0.5-1.0	.32	.32			
	40-60	1- 2- 5	51-62- 69	30-36- 48	1.40-1.42	0.10-1.00	0.18-0.20	3.7-9.2	0.0-0.5	.43	.43			
	60-68	1- 3- 5	62-69- 74	25-28- 35	1.37-1.40	1.00-10.00	0.18-0.20	2.8-5.9	0.0-0.5	.49	.49			
	68-79	1- 3- 5	62-69- 74	25-28- 35	1.35-1.35	1.00-10.00	0.18-0.20	2.8-5.9	0.0-0.5	.49	.49			
587:														
Chequest, occasionally flooded	0-7	5-14- 15	52-54- 62	30-32- 35	1.36-1.39	1.00-10.00	0.18-0.20	4.2-6.3	3.0-4.0	.28	.28	5	6	48
	7-12	5-15- 15	52-52- 62	30-33- 35	1.27-1.31	1.00-10.00	0.18-0.20	4.2-6.3	3.0-4.0	.37	.37			
	12-35	5- 7- 15	43-54- 55	35-39- 42	1.41-1.44	0.10-1.00	0.14-0.18	5.4-7.8	0.0-1.0	.37	.37			
	35-79	1- 5- 15	43-56- 60	35-39- 42	1.41-1.46	0.10-1.00	0.14-0.18	5.4-7.8	0.0-1.0	.37	.37			
587+:														
Chequest, overwash, occasionally flooded	0-8	-25-	-52-	20-23- 26	1.20-1.25	1.00-10.00	0.20-0.22	1.0-2.9	1.0-3.0	.37	.37	5	6	48
	8-12	-25-	-52-	20-23- 26	1.20-1.25	1.00-10.00	0.20-0.22	1.0-2.9	1.0-3.0	.43	.43			
	12-24	-25-	-52-	20-23- 26	1.20-1.25	1.00-10.00	0.20-0.22	1.0-2.9	3.0-4.0	.37	.37			
	24-60	- 7-	-54-	35-39- 42	1.35-1.45	0.10-1.00	0.14-0.18	6.0-8.9	0.0-1.0	.37	.37			
592C2:														
Mystic, moderately eroded	0-6	20-35- 40	25-34- 45	27-31- 35	1.37-1.39	1.00-10.00	0.22-0.24	3.5-6.2	2.0-3.0	.32	.32	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- 35	15-37- 50	29-35- 50	1.47-1.61	0.10-1.00	0.15-0.19	3.3-9.7	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- 45	15-30- 50	30-36- 50	1.43-1.48	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			
592D2:														
Mystic, moderately eroded	0-6	20-35- 40	25-34- 45	27-31- 35	1.37-1.39	1.00-10.00	0.22-0.24	3.5-6.2	2.0-3.0	.32	.32	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- 35	15-37- 50	29-35- 50	1.47-1.61	0.10-1.00	0.15-0.19	3.3-9.7	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- 45	15-30- 50	30-36- 50	1.43-1.48	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			
711:														
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	53-69- 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			
	30-60	5- 7- 40	46-69- 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			

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					
Nodaway, occasionally flooded	0-8	1- 8- 15	59-70- 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	57-70- 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	57-70- 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	57-70- 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			
Colo, occasionally flooded	0-8	2- 7- 25	46-62- 71	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	47-61- 68	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	51-61- 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	51-63- 75	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	48-67- 73	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			
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			
792C:														
Armstrong	0-7	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	2.0-3.0	.32	.32	3	6	48
	7-11	10-30- 45	29-48- 78	18-22- 26	1.45-1.50	1.00-10.00	0.20-0.22	3.0-5.9	1.0-2.0	.43	.43			
	11-14	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			
	14-18	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			
	18-31	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			
	31-60	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			
	60-80	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			
792C2:														
Armstrong, moderately eroded	0-5	20-35- 50	15-34- 53	27-31- 35	1.50-1.55	1.00-10.00	0.16-0.18	3.1-6.1	1.0-2.0	.37	.37	3	6	48
	5-11	15-22- 30	30-41- 50	27-37- 40	1.35-1.44	0.10-1.40	0.14-0.16	2.9-7.4	0.5-2.0	.37	.37			
	11-31	10-17- 30	30-39- 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			
	31-79	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			

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					
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	20-40- 75	15-30- 35	1.45-1.50	1.00-10.00	0.17-0.19	3.0-5.9	1.5-2.5	.28	.28	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			
792D3:														
Armstrong, severely eroded	0-8	10-30- 45	20-40- 63	27-30- 35	1.45-1.50	1.00-10.00	0.17-0.19	3.0-5.9	1.0-2.0	.37	.37	2	6	48
	8-11	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			
	11-23	25-35- 45	10-17- 49	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			
	23-51	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			
	51-80	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			
822C:														
Lamoni	0-9	15-19- 20	40-48- 55	27-33- 40	1.26-1.42	1.00-10.00	0.17-0.21	3.3-7.5	3.0-4.0	.28	.28	3	6	48
	9-16	20-22- 30	30-44- 50	27-34- 40	1.28-1.36	1.00-10.00	0.17-0.21	3.3-7.5	3.0-4.0	.28	.28			
	16-24	20-27- 35	25-29- 40	38-44- 50	1.41-1.48	0.01-0.10	0.13-0.17	5.8-9.7	0.0-0.5	.28	.28			
	24-53	20-31- 40	25-33- 40	32-36- 40	1.49-1.51	0.10-1.00	0.14-0.18	3.8-7.1	0.0-0.5	.32	.32			
	53-79	25-32- 40	25-31- 43	32-37- 40	1.40-1.51	0.10-1.00	0.14-0.18	3.8-7.1	0.0-0.5	.28	.28			
822C2:														
Lamoni, moderately eroded	0-6	-19-	-48-	27-34- 40	1.45-1.50	1.00-10.00	0.17-0.21	3.0-5.9	2.2-3.2	.37	.37	3	6	48
	6-34	-27-	-29-	38-44- 50	1.55-1.65	0.01-0.10	0.13-0.17	6.0-8.9	0.5-2.0	.28	.28			
	34-60	-31-	-33-	32-36- 40	1.60-1.70	0.10-1.00	0.14-0.18	6.0-8.9	0.0-0.5	.32	.32			
822D:														
Lamoni	0-9	15-19- 20	40-48- 50	27-33- 40	1.30-1.42	1.00-10.00	0.17-0.21	3.3-7.5	3.0-4.0	.28	.28	3	6	48
	9-16	20-22- 30	30-44- 50	27-34- 40	1.28-1.36	1.00-10.00	0.17-0.21	3.3-7.5	3.0-4.0	.28	.28			
	16-24	20-27- 35	25-29- 42	38-44- 50	1.41-1.48	0.01-0.10	0.13-0.17	5.8-9.7	0.0-0.5	.28	.28			
	24-53	20-31- 35	25-33- 42	32-36- 40	1.46-1.51	0.10-1.00	0.14-0.18	3.8-7.1	0.0-0.5	.32	.32			
	53-79	20-32- 35	25-31- 42	32-37- 40	1.40-1.48	0.10-1.00	0.14-0.18	3.8-7.1	0.0-0.5	.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					
822D2:														
Lamoni	0-11	15-19- 20	40-48- 50	27-33- 40	1.26-1.41	1.00-10.00	0.17-0.21	3.3-7.5	2.0-3.5	.28	.28	3	6	48
	11-24	20-27- 35	25-29- 42	38-44- 50	1.41-1.48	0.01-0.10	0.13-0.17	5.8-9.7	0.0-0.5	.28	.28			
	24-53	20-31- 35	25-33- 42	32-36- 40	1.46-1.51	0.10-1.00	0.14-0.18	3.8-7.1	0.0-0.5	.32	.32			
	53-79	20-32- 35	25-31- 42	32-37- 40	1.40-1.48	0.10-1.00	0.14-0.18	3.8-7.1	0.0-0.5	.28	.28			
831B:														
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			
831C:														
Pershing, terrace	0-8	2- 7- 15	60-69- 76	21-24- 27	1.37-1.38	1.00-10.00	0.22-0.24	2.4-3.6	2.5-3.5	.43	.43	5	6	48
	8-13	2- 4- 8	60-62- 66	27-34- 38	1.33-1.42	1.00-10.00	0.20-0.22	3.7-6.9	0.5-1.0	.43	.43			
	13-60	1- 2- 4	44-54- 59	38-44- 55	1.27-1.45	0.01-0.10	0.18-0.20	6.6-11.1	0.0-0.5	.37	.37			
	60-79	1- 3- 11	59-66- 72	27-31- 34	1.38-1.46	1.00-10.00	0.18-0.20	3.2-4.8	0.0-0.5	.49	.49			
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			
894D2:														
Bucknell, moderately eroded	0-6	-20-	-48-	27-33- 38	1.45-1.50	1.00-10.00	0.17-0.21	3.0-5.9	2.0-3.0	.37	.37	3	6	48

	6-49	-27-	-29-	38-44- 50	1.55-1.65	0.01-0.10	0.13-0.17	6.0-8.9	0.0-0.5	.28	.28			
	49-60	-33-	-32-	30-35- 40	1.60-1.70	0.10-1.00	0.14-0.18	6.0-8.9	0.0-0.5	.32	.32			
Gara, 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	2.0-3.0	.28	.28	5	6	48
	7-47	-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			
	47-60	-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			
993D2:														
Gara, moderately eroded	0-7	20-35- 45	20-34- 53	27-31- 35	1.36-1.40	1.00-10.00	0.14-0.18	3.2-5.2	1.5-3.0	.32	.32	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			

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					
Armstrong, moderately eroded	0-8	20-35- 45	20-34- 53	27-31- 35	1.40-1.45	1.00-10.00	0.16-0.18	3.1-5.9	1.0-2.0	.32	.32	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	1.0-3.0	.37	.37			
	11-14	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	0.5-2.0	.37	.37			
	14-26	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			
1313D2:														
Munterville, moderately eroded	0-8	5-15- 30	40-55- 65	15-30- 35	1.41-1.48	1.41-4.23	0.14-0.16	1.2-3.9	1.5-2.5	.43	.43	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	---	---	---	---	---			
1313E2:														
Munterville, moderately eroded	0-8	5-15- 30	40-55- 65	15-30- 35	1.41-1.48	1.41-4.23	0.14-0.16	1.2-3.9	1.5-2.5	.43	.43	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	---	---	---	---	---			
1313F2:														
Munterville, moderately eroded	0-8	5-15- 30	40-55- 65	15-30- 35	1.41-1.48	1.41-4.23	0.14-0.16	1.2-3.9	1.5-2.5	.43	.43	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	---	---	---	---	---			

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					
1711:														
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	53-69- 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			
	30-60	5- 7- 40	46-69- 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			
Nodaway, channeled, frequently flooded	0-8	1- 8- 15	59-70- 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	57-70- 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	57-70- 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	57-70- 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			
Colo, channeled, frequently flooded	0-8	2- 7- 25	46-62- 71	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	47-61- 68	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	51-61- 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	51-63- 75	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	48-67- 73	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			
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			
5021:														
Orthents	---	--	--	--	---	---	---	---	---	---	---	5	---	---
5025:														
Strip mines	---	--	--	--	---	---	---	---	---	---	---	--	---	---
5040:														
Udorthents, loamy	---	--	--	--	---	---	---	---	---	---	---	5	---	---
5049:														
Aquolls	---	--	--	--	---	---	---	---	---	---	---	5	---	---

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					
Udorthents, loamy	---	--	--	--	---	---	---	---	---	---	---	5	---	---
SL:														
Sewage lagoon	---	--	--	--	---	---	---	---	---	---	---	--	---	---
W:														
Water	---	--	--	--	---	---	---	---	---	---	---	--	---	---

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					
7:														
Wiota, rarely flooded	0-22	- 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
	22-38	- 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			
	38-60	- 7-	-64-	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			
7B:														
Wiota	0-22	- 9-	-67-	20-24- 27	1.30-1.35	1.00-10.00	0.21-0.23	0.0-2.9	3.0-4.0	.37	.37	5	6	48
	22-38	- 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			
	38-60	- 7-	-64-	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			
8B:														
Judson	0-9	1- 4- 10	61-67- 73	24-29- 33	1.26-1.35	1.00-10.00	0.21-0.24	3.2-5.0	2.0-4.0	.32	.32	5	6	48
	9-22	1- 4- 10	62-66- 72	24-30- 35	1.24-1.28	1.00-10.00	0.18-0.20	3.2-5.4	2.0-3.5	.43	.43			
	22-28	1- 4- 10	60-66- 72	27-30- 34	1.23-1.32	1.00-10.00	0.18-0.20	3.7-5.2	1.5-3.0	.43	.43			
	28-35	1- 4- 10	61-65- 70	27-31- 35	1.29-1.43	1.00-10.00	0.18-0.20	3.6-5.3	0.5-2.0	.43	.43			
	35-52	1- 4- 10	62-66- 68	25-30- 35	1.39-1.42	1.00-10.00	0.18-0.20	3.2-5.2	0.3-1.0	.49	.49			
	52-79	1- 4- 10	59-66- 72	25-30- 33	1.35-1.41	1.00-10.00	0.18-0.20	2.9-4.8	0.0-0.7	.49	.49			
11B:														
Colo	0-25	- 7-	-62-	27-32- 36	1.28-1.32	1.00-10.00	0.21-0.23	3.0-5.9	5.0-7.0	.32	.32	5	6	48
	25-40	- 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			
	40-60	- 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			
Ely	0-22	- 7-	-64-	27-29- 30	1.30-1.35	1.00-10.00	0.21-0.23	3.0-5.9	5.0-6.0	.32	.32	5	6	48
	22-55	- 7-	-62-	28-32- 35	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	1.0-3.0	.43	.43			
	55-60	- 9-	-66-	20-25- 30	1.40-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.5-1.0	.49	.49			
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			
24F2:														
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
	7-11	-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			
	11-44	-35-	-33-	30-33- 35	1.55-1.65	1.00-10.00	0.16-0.18	3.0-5.9	0.0-1.0	.32	.32			
	44-60	-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					
43:														
Bremer, occasionally flooded	0-8	-18-	-51-	27-32- 36	1.25-1.30	1.00-10.00	0.21-0.23	3.0-5.9	5.0-7.0	.32	.32	5	6	48
	8-19	-18-	-51-	27-32- 36	1.25-1.30	1.00-10.00	0.21-0.23	3.0-5.9	5.0-7.0	.32	.32			
	19-42	-18-	-43-	35-39- 42	1.30-1.40	0.10-1.00	0.15-0.17	6.0-8.9	1.0-2.0	.32	.32			
	42-60	-17-	-48-	32-35- 38	1.40-1.45	0.10-1.00	0.18-0.20	6.0-8.9	0.5-1.0	.37	.37			
51:														
Vesser, occasionally flooded	0-12	-10-	-68-	20-23- 26	1.30-1.35	1.00-10.00	0.20-0.24	3.0-5.9	3.0-4.0	.37	.37	5	6	48
	12-26	-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			
	26-60	- 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			
51B:														
Vesser, occasionally flooded	0-12	-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
	12-26	-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			
	26-60	- 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			
54:														
Zook, occasionally flooded	0-7	1- 3- 8	55-61- 67	31-36- 43	1.31-1.38	1.00-10.00	0.21-0.23	4.4-8.4	4.0-5.0	.32	.32	5	4	86
	7-20	0- 3- 12	48-60- 65	32-37- 46	1.28-1.31	0.10-1.00	0.21-0.23	4.6-9.1	2.4-4.1	.37	.37			
	20-38	1- 4- 13	40-55- 62	35-41- 49	1.30-1.34	0.01-0.10	0.11-0.13	6.1-9.8	1.7-2.4	.37	.37			
	38-61	1- 3- 8	51-59- 66	31-38- 48	1.32-1.37	0.10-1.00	0.18-0.20	4.2-9.6	0.8-2.6	.37	.37			
	61-79	2- 5- 9	53-60- 70	25-35- 42	1.37-1.37	1.00-10.00	0.18-0.20	3.6-7.9	1.0-1.8	.37	.37			
63C2:														
Chelsea, moderately eroded	0-5	-87-	- 2-	8-12- 15	1.50-1.55	10.00-100.00	0.10-0.15	0.0-2.9	0.1-1.1	.10	.10	5	2	134
	5-60	-86-	- 7-	5- 8- 10	1.55-1.70	10.00-100.00	0.06-0.08	0.0-2.9	0.0-0.5	.24	.24			
63D2:														
Chelsea, eroded	0-8	75-85- 98	1-10- 15	1- 5- 10	1.56-1.60	10.00-100.00	0.08-0.12	0.1-0.9	0.5-1.0	.05	.05	5	2	134
	8-36	80-92- 98	1- 5- 19	1- 3- 8	1.65-1.72	10.00-100.00	0.08-0.12	0.1-0.7	0.0-0.5	.02	.02			
	36-70	80-92- 95	0- 4- 19	1- 4- 10	1.74-1.81	10.00-100.00	0.08-0.12	0.1-0.9	0.0-0.5	.02	.02			
65D:														
Lindley	0-8	-40-	-38-	18-23- 27	1.20-1.40	1.00-10.00	0.16-0.18	0.0-2.9	2.0-3.0	.32	.32	5	6	48
	8-47	-34-	-37-	25-30- 35	1.40-1.60	1.00-10.00	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
	47-60	-34-	-38-	18-28- 32	1.45-1.65	1.00-10.00	0.12-0.16	3.0-5.9	0.1-0.5	.37	.37			
65E:														
Lindley	0-8	-40-	-38-	18-23- 27	1.20-1.40	1.00-10.00	0.16-0.18	0.0-2.9	2.0-3.0	.32	.32	5	6	48
	8-47	-34-	-37-	25-30- 35	1.40-1.60	1.00-10.00	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
	47-60	-34-	-38-	18-28- 32	1.45-1.65	1.00-10.00	0.12-0.16	3.0-5.9	0.1-0.5	.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					
65E3:														
Lindley, severely eroded	0-6	-35-	-34-	25-31- 37	1.30-1.40	1.00-10.00	0.14-0.18	3.0-5.9	0.4-2.0	.32	.32	4	6	48
	6-40	-34-	-37-	25-30- 35	1.40-1.60	1.00-10.00	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
	40-60	-34-	-38-	24-28- 32	1.45-1.65	1.00-10.00	0.12-0.16	3.0-5.9	0.1-0.5	.37	.37			
65F:														
Lindley	0-8	-40-	-38-	18-23- 27	1.20-1.40	1.00-10.00	0.16-0.18	0.0-2.9	2.0-3.0	.32	.32	5	6	48
	8-47	-34-	-37-	25-30- 35	1.40-1.60	1.00-10.00	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
	47-60	-34-	-38-	18-28- 32	1.45-1.65	1.00-10.00	0.12-0.16	3.0-5.9	0.1-0.5	.37	.37			
65G:														
Lindley	0-8	-40-	-38-	18-23- 27	1.20-1.40	1.00-10.00	0.16-0.18	0.0-2.9	2.0-3.0	.32	.32	5	6	48
	8-47	-34-	-37-	25-30- 35	1.40-1.60	1.00-10.00	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
	47-60	-34-	-38-	18-28- 32	1.45-1.65	1.00-10.00	0.12-0.16	3.0-5.9	0.1-0.5	.37	.37			
69C:														
Clearfield	0-18	-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
	18-41	- 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			
	41-60	- 7-	-48-	40-45- 50	1.40-1.65	0.01-0.10	0.10-0.12	6.0-8.9	0.0-0.5	.37	.37			
69C2:														
Clearfield, moderately eroded	0-18	-17-	-48-	32-35- 38	1.30-1.40	0.10-1.00	0.21-0.23	6.0-8.9	2.2-3.2	.37	.37	5	6	48

----------	18-41	- 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			
----------	41-60	- 7-	-48-	40-45- 50	1.40-1.65	0.01-0.10	0.10-0.12	6.0-8.9	0.0-0.5	.37	.37			
75:														
Givin----------	0-11	-26-	-52-	18-22- 26	1.30-1.40	1.00-10.00	0.22-0.24	3.0-5.9	3.0-4.0	.37	.37	5	6	48
----------	11-53	- 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			
----------	53-60	-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----------	0-9	-25-	-53-	18-23- 27	1.30-1.35	1.00-10.00	0.22-0.24	0.0-2.9	2.5-3.5	.37	.37	5	6	48
----------	9-42	- 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			
----------	42-60	-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			
76C:														
Ladoga----------	0-9	-25-	-53-	18-23- 27	1.30-1.35	1.00-10.00	0.22-0.24	0.0-2.9	2.5-3.5	.37	.37	5	6	48
----------	9-42	- 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			
----------	42-60	-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			
76C2:														
Ladoga, moderately eroded----------	0-9	-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
----------	9-42	- 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			
----------	42-60	-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			

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					
76D2:														
Ladoga, moderately eroded----------	0-9	-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
----------	9-42	- 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			
----------	42-60	-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			
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			
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	0-22	- 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
----------	22-43	- 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			
----------	43-60	- 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			

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					
88B:														
Nevin, rarely flooded	0-22	- 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
----------	22-43	- 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			
----------	43-60	- 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:														
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
----------	7-42	-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			
----------	42-60	-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			
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
----------	7-11	-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			
----------	11-44	-35-	-33-	30-33- 35	1.55-1.65	1.00-10.00	0.16-0.18	3.0-5.9	0.0-1.0	.32	.32			
----------	44-60	-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			
93E2:														
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
----------	7-42	-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			
----------	42-60	-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			
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
----------	7-11	-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			
----------	11-44	-35-	-33-	30-33- 35	1.55-1.65	1.00-10.00	0.16-0.18	3.0-5.9	0.0-1.0	.32	.32			
----------	44-60	-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			
93E3:														
Adair, severely eroded----------	0-8	-25-	-44-	28-31- 34	1.25-1.35	1.00-10.00	0.21-0.23	3.2-5.8	1.7-2.7	.37	.37	2	6	48
----------	8-16	-15-	-36-	38-49- 60	1.55-1.60	0.01-0.10	0.13-0.16	6.7-13.7	0.0-0.5	.28	.28			
----------	16-35	-34-	-32-	30-34- 38	1.60-1.70	1.00-10.00	0.14-0.16	4.2-6.7	0.0-0.5	.28	.28			
----------	35-80	-34-	-32-	30-34- 38	1.60-1.70	1.00-10.00	0.14-0.16	4.2-6.7	0.0-0.5	.28	.28			
Shelby, severely eroded----------	0-6	-35-	-34-	27-31- 35	1.50-1.55	1.00-10.00	0.16-0.18	3.0-5.9	1.3-2.7	.28	.28	4	6	48
----------	6-36	-35-	-33-	30-33- 35	1.55-1.65	1.00-10.00	0.16-0.18	3.0-5.9	0.0-1.0	.32	.32			
----------	36-60	-35-	-33-	30-33- 35	1.55-1.65	1.00-10.00	0.16-0.18	3.0-5.9	0.0-1.0	.32	.32			
94D2:														
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
----------	8-32	- 8-	-52-	30-40- 48	1.55-1.65	0.01-0.10	0.15-0.19	6.0-8.9	0.0-0.5	.37	.37			
----------	32-40	-35-	-38-	20-28- 35	1.65-1.75	1.00-10.00	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			
----------	40-60	-45-	-35-	10-20- 30	1.65-1.75	1.00-100.00	0.11-0.13	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					

Caleb, moderately eroded	0-8	-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
	8-39	-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			
	39-60	-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			
94E2:														
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
	8-32	- 8-	-52-	30-40- 48	1.55-1.65	0.01-0.10	0.15-0.19	6.0-8.9	0.0-0.5	.37	.37			
	32-40	-35-	-38-	20-28- 35	1.65-1.75	1.00-10.00	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			
	40-60	-45-	-35-	10-20- 30	1.65-1.75	1.00-100.00	0.11-0.13	0.0-2.9	0.0-0.5	.37	.37			
Caleb, moderately eroded	0-8	-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
	8-39	-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			
	39-60	-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			
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			
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			

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					
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			
120D2:														
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			
122:														
Sperry	0-8	-27-	-54-	18-20- 22	1.35-1.40	1.00-10.00	0.22-0.24	0.4-1.6	3.0-4.0	.37	.37	3	6	48
	8-10	-27-	-54-	18-20- 22	1.35-1.40	1.00-10.00	0.22-0.24	0.4-1.6	3.0-4.0	.37	.37			
	10-17	-27-	-54-	18-20- 22	1.35-1.40	1.00-10.00	0.22-0.24	0.4-1.6	0.5-1.0	.55	.55			
	17-28	- 7-	-58-	30-35- 45	1.40-1.45	0.10-1.00	0.14-0.16	6.0-8.9	0.5-1.0	.43	.43			
	28-47	- 7-	-52-	38-42- 45	1.40-1.45	0.01-0.10	0.14-0.16	6.0-8.9	0.5-1.0	.37	.37			
	47-79	-18-	-52-	26-30- 34	1.45-1.50	1.00-10.00	0.19-0.21	2.6-5.8	0.0-0.5	.43	.43			
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			
131C2:														
Pershing, moderately eroded	0-4	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	2.0-3.0	.43	.43	5	6	48
	4-12	1-14- 30	43-56- 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- 51	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			
131D2:														
Pershing, moderately eroded	0-7	-25-	-52-	20-24- 27	1.30-1.40	1.00-10.00	0.22-0.24	0.0-2.9	2.0-3.0	.43	.43	5	6	48
	7-13	-20-	-49-	27-31- 35	1.30-1.40	1.00-10.00	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
	13-43	- 8-	-53-	35-39- 48	1.35-1.45	0.10-1.00	0.18-0.20	6.0-8.9	0.0-0.5	.37	.37			
	43-60	-20-	-48-	24-32- 40	1.35-1.50	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					
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			
132C2:														
Weller, moderately eroded	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	1.8-3.0	.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			
133:														
Colo, occasionally flooded	0-8	1- 6- 25	44-64- 73	22-30- 35	1.18-1.35	1.00-10.00	0.21-0.23	1.9-4.1	3.0-7.0	.28	.28	5	6	48
	8-34	0- 6- 19	48-63- 73	24-31- 35	1.18-1.29	1.00-10.00	0.18-0.20	3.2-5.7	2.0-5.7	.32	.32			
	34-46	1- 4- 15	50-63- 69	30-33- 35	1.33-1.38	1.00-10.00	0.18-0.20	4.2-5.6	1.0-3.6	.37	.37			
	46-52	2- 5- 10	58-63- 66	29-32- 35	1.32-1.44	1.00-10.00	0.18-0.20	4.0-5.3	0.7-2.0	.43	.43			
	52-79	1- 6- 27	41-64- 72	24-30- 35	1.40-1.41	1.00-10.00	0.18-0.20	3.0-5.3	0.5-1.9	.43	.43			
133B:														
Colo, occasionally flooded	0-8	1- 6- 25	44-64- 73	22-30- 35	1.18-1.35	1.00-10.00	0.21-0.23	1.9-4.1	3.0-7.0	.28	.28	5	6	48
	8-34	0- 6- 19	48-63- 73	24-31- 35	1.18-1.29	1.00-10.00	0.18-0.20	3.2-5.7	2.0-5.7	.32	.32			
	34-46	1- 4- 15	50-63- 69	30-33- 35	1.33-1.38	1.00-10.00	0.18-0.20	4.2-5.6	1.0-3.6	.37	.37			
	46-52	2- 5- 10	58-63- 66	29-32- 35	1.32-1.44	1.00-10.00	0.18-0.20	4.0-5.3	0.7-2.0	.43	.43			
	52-79	1- 6- 27	41-64- 72	24-30- 35	1.40-1.41	1.00-10.00	0.18-0.20	3.0-5.3	0.5-1.9	.43	.43			
172:														
Wabash, occasionally flooded	0-60	- 8-	-49-	40-43- 46	1.25-1.45	0.01-0.10	0.12-0.14	9.0-25.0	4.0-6.0	.28	.28	5	4	86
179D2:														
Gara, moderately eroded	0-14	-40-	-38-	18-23- 27	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

----------	14-40	-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			
179E2:														
Gara, moderately eroded----------	0-14	-40-	-38-	18-23- 27	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
----------	14-40	-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			

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					
179F2:														
Gara, moderately eroded----------	0-14	-40-	-38-	18-23- 27	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
----------	14-40	-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			
179G:														
Gara----------	0-14	-40-	-38-	18-23- 27	1.50-1.55	1.00-10.00	0.20-0.22	3.0-5.9	2.5-3.5	.28	.28	5	6	48
----------	14-40	-35-	-33-	25-32- 38	1.55-1.75	1.00-10.00	0.16-0.18	3.0-5.9	0.0-1.0	.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			
185D2:														
Bauer, moderately eroded----------	0-8	-24-	-51-	22-25- 27	1.45-1.50	1.00-10.00	0.16-0.18	3.0-5.9	2.2-3.2	.43	.43	3	6	48
----------	8-26	-17-	-28-	40-55- 70	1.60-1.65	0.01-0.10	0.08-0.10	6.0-8.9	0.0-0.5	.24	.24			
----------	26-60	--	--	--	---	0.01-0.10	---	---	---	---	---			
185E2:														
Bauer, moderately eroded----------	0-8	-24-	-51-	22-25- 27	1.45-1.50	1.00-10.00	0.16-0.18	3.0-5.9	2.2-3.2	.43	.43	3	6	48
----------	8-26	-17-	-28-	40-55- 70	1.60-1.65	0.01-0.10	0.08-0.10	6.0-8.9	0.0-0.5	.24	.24			
----------	26-60	--	--	--	---	0.01-0.10	---	---	---	---	---			
185E3:														
Bauer, severely eroded----------	0-12	-24-	-51-	22-25- 27	1.45-1.50	1.00-10.00	0.16-0.18	3.0-5.9	1.2-2.2	.49	.49	2	6	48
----------	12-26	-17-	-28-	40-55- 70	1.60-1.65	0.01-0.10	0.08-0.10	6.0-8.9	0.0-0.5	.24	.24			
----------	26-60	--	--	--	---	0.01-0.10	---	---	---	---	---			
212:														
Kennebec, occasionally flooded	0-41	- 9-	-66-	22-25- 27	1.25-1.35	1.00-10.00	0.22-0.24	3.0-5.9	4.0-6.0	.32	.32	5	6	48
----------	41-60	- 9-	-65-	24-26- 28	1.35-1.40	1.00-10.00	0.20-0.22	3.0-5.9	1.0-2.0	.43	.43			
220:														
Nodaway, occasionally flooded	0-7	0- 9- 29	55-66- 82	16-25- 33	1.29-1.43	1.00-10.00	0.22-0.24	1.7-5.0	1.5-5.0	.32	.32	5	6	48
----------	7-79	0-10- 34	40-67- 82	13-23- 33	1.36-1.42	1.00-10.00	0.20-0.22	1.3-5.0	0.7-3.6	.43	.43			
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			

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					
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			
222D2:														
Clarinda, moderately eroded----------	0-14	-20-	-48-	27-33- 38	1.45-1.50	1.00-10.00	0.17-0.19	3.0-5.9	2.2-3.2	.37	.37	3	6	48
----------	14-42	- 5-	-45-	40-50- 60	1.50-1.65	0.01-0.10	0.14-0.16	6.0-8.9	0.5-1.0	.32	.32			
----------	42-60	- 5-	-45-	40-50- 60	1.50-1.65	0.01-0.10	0.14-0.16	6.0-8.9	0.0-0.5	.32	.32			
248:														
Wabash, occasionally flooded----------	0-9	-20-	-49-	27-31- 35	1.35-1.50	1.00-10.00	0.21-0.24	6.0-8.9	4.0-6.0	.32	.32	5	6	48
----------	9-60	- 5-	-45-	40-50- 60	1.20-1.45	0.01-0.10	0.08-0.12	9.0-25.0	1.0-2.0	.28	.28			
269:														
Humeston, occasionally 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			
273B:														
Olmitz----------	0-7	20-30- 34	38-45- 53	25-25- 29	1.25-1.39	1.00-10.00	0.20-0.22	3.2-4.2	4.0-4.3	.24	.24	5	6	48
----------	7-30	21-27- 34	35-43- 49	25-30- 37	1.33-1.40	1.00-10.00	0.15-0.17	3.5-5.8	2.2-3.4	.28	.28			
----------	30-60	20-27- 41	25-43- 53	20-30- 39	1.41-1.45	1.00-10.00	0.14-0.16	2.2-6.1	0.3-1.6	.37	.37			
273C:														
Olmitz----------	0-7	20-30- 34	38-45- 53	25-25- 29	1.25-1.39	1.00-10.00	0.20-0.22	3.2-4.2	4.0-4.3	.24	.24	5	6	48
----------	7-30	21-27- 34	35-43- 49	25-30- 37	1.33-1.40	1.00-10.00	0.15-0.17	3.5-5.8	2.2-3.4	.28	.28			
----------	30-60	20-27- 41	25-43- 53	20-30- 39	1.41-1.45	1.00-10.00	0.14-0.16	2.2-6.1	0.3-1.6	.37	.37			
315:														
Alluvial land, 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
----------	9-60	-85-	- 9-	2- 6- 10	1.50-1.75	10.00-100.00	0.02-0.04	0.0-2.9	0.0-0.5	.20	.20			
368:														
Macksburg----------	0-6	1- 3- 5	-67-	30-31- 34	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	4.5-5.5	.37	.37	5	6	48
----------	6-24	1- 3- 5	-67-	30-31- 34	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	3.5-4.5	.32	.32			
----------	24-42	1- 3- 5	-58-	36-39- 42	1.35-1.40	0.10-1.00	0.18-0.20	6.0-8.9	2.0-3.0	.32	.32			
----------	42-73	1- 3- 5	-68-	26-29- 32	1.40-1.50	1.00-10.00	0.18-0.20	3.0-5.9	1.0-2.0	.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					
368B:														
Macksburg----------	0-6	1- 3- 5	-67-	30-31- 34	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	4.5-5.5	.37	.37	5	6	48
----------	6-24	1- 3- 5	-67-	30-31- 34	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	3.5-4.5	.32	.32			
----------	24-42	1- 3- 5	-58-	36-39- 42	1.35-1.40	0.10-1.00	0.18-0.20	6.0-8.9	2.0-3.0	.32	.32			
----------	42-73	1- 3- 5	-68-	26-29- 32	1.40-1.50	1.00-10.00	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
369:														
Winterset----------	0-19	-20-	-49-	27-31- 35	1.30-1.35	1.00-10.00	0.21-0.23	3.0-5.9	5.0-6.0	.37	.37	5	6	48
----------	19-50	- 8-	-52-	38-40- 42	1.35-1.40	0.01-0.10	0.14-0.18	6.0-8.9	3.0-4.0	.32	.32			
----------	50-60	-19-	-48-	27-34- 40	1.40-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-1.0	.37	.37			
370:														

Sharpsburg----------	0-8	1- 2- 5	61-65- 69	29-33- 38	1.24-1.43	1.00-10.00	0.21-0.23	3.4-6.7	3.0-4.0	.37	.37	5	6	48
----------	8-17	1- 2- 4	60-63- 69	29-35- 38	1.22-1.28	1.00-10.00	0.21-0.23	3.8-6.4	2.4-3.5	.37	.37			
----------	17-31	1- 2- 5	55-60- 63	33-38- 42	1.23-1.33	0.10-1.00	0.18-0.20	4.6-7.9	0.5-1.0	.37	.37			
----------	31-38	1- 2- 6	61-64- 68	30-34- 38	1.32-1.39	1.00-10.00	0.18-0.20	4.0-6.9	0.3-0.5	.43	.43			
----------	38-46	1- 2- 4	62-66- 73	25-32- 36	1.33-1.40	1.00-10.00	0.18-0.20	3.6-6.3	0.2-0.5	.43	.43			
----------	46-79	1- 2- 4	64-69- 73	25-29- 34	1.34-1.50	1.00-10.00	0.18-0.20	3.3-5.0	0.2-0.5	.49	.49			
370B:														
Sharpsburg----------	0-8	1- 2- 5	61-65- 69	29-33- 38	1.24-1.43	1.00-10.00	0.21-0.23	3.4-6.7	3.0-4.0	.37	.37	5	6	48
----------	8-17	1- 2- 4	60-63- 69	29-35- 38	1.22-1.28	1.00-10.00	0.21-0.23	3.8-6.4	2.4-3.5	.37	.37			
----------	17-31	1- 2- 5	55-60- 63	33-38- 42	1.23-1.33	0.10-1.00	0.18-0.20	4.6-7.9	0.5-1.0	.37	.37			
----------	31-38	1- 2- 6	61-64- 68	30-34- 38	1.32-1.39	1.00-10.00	0.18-0.20	4.0-6.9	0.3-0.5	.43	.43			
----------	38-46	1- 2- 4	62-66- 73	25-32- 36	1.33-1.40	1.00-10.00	0.18-0.20	3.6-6.3	0.2-0.5	.43	.43			
----------	46-79	1- 2- 4	64-69- 73	25-29- 34	1.34-1.50	1.00-10.00	0.18-0.20	3.3-5.0	0.2-0.5	.49	.49			
370C:														
Sharpsburg----------	0-8	1- 2- 5	61-65- 69	29-33- 38	1.24-1.43	1.00-10.00	0.21-0.23	3.4-6.7	3.0-4.0	.37	.37	5	6	48
----------	8-17	1- 2- 4	60-63- 69	29-35- 38	1.22-1.28	1.00-10.00	0.21-0.23	3.8-6.4	2.4-3.5	.37	.37			
----------	17-31	1- 2- 5	55-60- 63	33-38- 42	1.23-1.33	0.10-1.00	0.18-0.20	4.6-7.9	0.5-1.0	.37	.37			
----------	31-38	1- 2- 6	61-64- 68	30-34- 38	1.32-1.39	1.00-10.00	0.18-0.20	4.0-6.9	0.3-0.5	.43	.43			
----------	38-46	1- 2- 4	62-66- 73	25-32- 36	1.33-1.40	1.00-10.00	0.18-0.20	3.6-6.3	0.2-0.5	.43	.43			
----------	46-79	1- 2- 4	64-69- 73	25-29- 34	1.34-1.50	1.00-10.00	0.18-0.20	3.3-5.0	0.2-0.5	.49	.49			
370C2:														
Sharpsburg, eroded---	0-7	1- 2- 5	62-64- 65	33-34- 36	1.36-1.40	1.00-10.00	0.21-0.23	4.8-6.5	2.7-3.7	.37	.37	5	6	48
----------	7-21	1- 2- 5	55-60- 63	33-38- 42	1.23-1.33	0.10-1.00	0.18-0.20	4.6-7.7	0.5-1.0	.37	.37			
----------	21-40	1- 2- 6	61-64- 68	30-34- 38	1.32-1.39	1.00-10.00	0.18-0.20	4.0-6.9	0.3-0.5	.43	.43			
----------	40-48	1- 2- 4	62-66- 73	25-32- 36	1.33-1.40	1.00-10.00	0.18-0.20	3.6-6.3	0.2-0.5	.43	.43			
----------	48-79	1- 2- 4	64-69- 73	25-29- 34	1.34-1.50	1.00-10.00	0.18-0.20	3.3-5.0	0.2-0.5	.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					
370D2:														
Sharpsburg, eroded---	0-7	1- 2- 5	62-64- 65	33-34- 36	1.36-1.40	1.00-10.00	0.21-0.23	4.8-6.5	2.7-3.7	.37	.37	5	6	48
----------	7-21	1- 2- 5	55-60- 63	33-38- 42	1.23-1.33	0.10-1.00	0.18-0.20	4.6-7.7	0.5-1.0	.37	.37			
----------	21-40	1- 2- 6	61-64- 68	30-34- 38	1.32-1.39	1.00-10.00	0.18-0.20	4.0-6.9	0.3-0.5	.43	.43			
----------	40-48	1- 2- 4	62-66- 73	25-32- 36	1.33-1.40	1.00-10.00	0.18-0.20	3.6-6.3	0.2-0.5	.43	.43			
----------	48-79	1- 2- 4	64-69- 73	25-29- 34	1.34-1.50	1.00-10.00	0.18-0.20	3.3-5.0	0.2-0.5	.49	.49			
422:														
Amana, occasionally flooded----------	0-16	-10-	-68-	18-23- 27	1.20-1.30	1.00-10.00	0.22-0.24	3.0-5.9	3.5-4.5	.32	.32	5	6	48
----------	16-44	- 9-	-67-	18-24- 30	1.25-1.40	1.00-10.00	0.20-0.22	3.0-5.9	1.0-2.0	.43	.43			
----------	44-60	-11-	-67-	18-22- 26	1.25-1.40	1.00-10.00	0.20-0.22	3.0-5.9	0.0-1.0	.49	.49			
425D:														
Keswick----------	0-11	-39-	-37-	22-25- 27	1.45-1.50	1.00-10.00	0.17-0.22	3.0-5.9	2.0-3.0	.32	.32	3	6	48
----------	11-43	-23-	-29-	35-48- 60	1.55-1.60	0.01-0.10	0.11-0.15	6.0-8.9	0.0-0.5	.28	.28			
----------	43-60	-33-	-32-	30-35- 40	1.60-1.75	0.10-1.00	0.12-0.16	3.0-5.9	0.0-0.5	.32	.32			
427C2:														
Ladoga, moderately eroded----------	0-9	-25-	-53-	18-23- 27	1.30-1.35	1.00-10.00	0.22-0.24	0.0-2.9	0.4-3.0	.43	.43	5	6	48
----------	9-42	- 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			
----------	42-60	-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			
Chelsea, moderately eroded----------	0-17	-87-	- 2-	8-12- 15	1.50-1.55	10.00-100.00	0.10-0.15	0.0-2.9	0.1-1.1	.10	.10	5	2	134
----------	17-60	-86-	- 7-	5- 8- 10	1.55-1.70	10.00-100.00	0.06-0.08	0.0-2.9	0.0-0.5	.24	.24			
427D2:														
Ladoga, moderately eroded----------	0-9	-25-	-53-	18-23- 27	1.30-1.35	1.00-10.00	0.22-0.24	0.0-2.9	0.4-3.0	.43	.43	5	6	48
----------	9-42	- 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			
----------	42-60	-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			
Chelsea, moderately eroded----------	0-17	-87-	- 2-	8-12- 15	1.50-1.55	10.00-100.00	0.10-0.15	0.0-2.9	0.1-1.1	.10	.10	5	2	134
----------	17-60	-86-	- 7-	5- 8- 10	1.55-1.70	10.00-100.00	0.06-0.08	0.0-2.9	0.0-0.5	.24	.24			
428B:														
Ely----------	0-22	- 7-	-64-	27-29- 30	1.30-1.35	1.00-10.00	0.21-0.23	3.0-5.9	5.0-6.0	.32	.32	5	6	48
----------	22-55	- 7-	-62-	28-32- 35	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	1.0-3.0	.43	.43			
----------	55-60	- 9-	-66-	20-25- 30	1.40-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.5-1.0	.49	.49			

Physical Soil Properties

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
430:														
Ackmore, occasionally flooded	0-6	1- 5- 15	62-71- 74	23-24- 28	1.38-1.44	1.00-10.00	0.21-0.23	2.9-3.6	1.0-3.0	.43	.43	5	6	48
----------	6-25	1- 5- 15	57-69- 74	24-26- 32	1.35-1.37	1.00-10.00	0.21-0.23	3.1-4.8	1.0-3.0	.43	.43			
----------	25-60	1- 4- 15	56-64- 71	25-32- 38	1.27-1.29	1.00-10.00	0.18-0.20	3.8-6.1	3.0-5.0	.32	.32			
434D:														
Arbor----------	0-18	-38-	-36-	25-26- 27	1.40-1.45	1.00-10.00	0.19-0.21	3.0-5.9	3.0-4.0	.24	.24	5	6	48
----------	18-43	-35-	-33-	30-33- 35	1.45-1.65	1.00-10.00	0.15-0.17	3.0-5.9	0.5-2.0	.28	.28			
----------	43-60	-35-	-34-	28-31- 34	1.60-1.70	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
451D2:														
Caleb, moderately eroded----------	0-8	-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
----------	8-39	-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			
----------	39-60	-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			
478:														
Steep rock land------	---	--	--	--	---	---	---	---	---	---	---	--	---	---
502:														
Strip mines----------	---	--	--	--	---	---	---	---	---	---	---	--	---	---
570B:														
Nira----------	0-9	- 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
----------	9-44	- 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			
----------	44-60	- 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----------	0-9	- 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
----------	9-44	- 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			
----------	44-60	- 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
----------	8-32	- 8-	-51-	30-41- 48	1.55-1.65	0.01-0.10	0.15-0.19	6.0-8.9	0.0-0.5	.37	.37			
----------	32-40	-35-	-38-	20-28- 35	1.65-1.75	1.00-10.00	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			
----------	40-60	-45-	-35-	10-20- 30	1.65-1.75	1.00-100.00	0.11-0.13	0.0-2.9	0.0-0.5	.37	.37			
592D2:														
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
----------	8-32	- 8-	-51-	30-41- 48	1.55-1.65	0.01-0.10	0.15-0.19	6.0-8.9	0.0-0.5	.37	.37			
----------	32-40	-35-	-38-	20-28- 35	1.65-1.75	1.00-10.00	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			
----------	40-60	-45-	-35-	10-20- 30	1.65-1.75	1.00-100.00	0.11-0.13	0.0-2.9	0.0-0.5	.37	.37			

Physical Soil Properties

Map symbol	Depth	Sand	Silt	Clay	Moist	Saturated	Available	Linear	Organic	Erosion factors	Wind erodi-	Wind erodi-

and soil name					bulk density	hydraulic conductivity	water capacity	extensi- bility	matter	Kw	Kf	T	bility group	bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
687B:														
Watkins----------	0-15	-11-	-68-	18-21- 24	1.30-1.35	1.00-10.00	0.20-0.24	3.0-5.9	2.0-4.0	.43	.43	5	6	48
----------	15-49	- 7-	-63-	25-30- 35	1.35-1.40	1.00-10.00	0.15-0.19	3.0-5.9	1.0-2.0	.43	.43			
----------	49-60	- 7-	-64-	25-29- 32	1.40-1.45	1.00-10.00	0.14-0.18	3.0-5.9	0.0-1.0	.49	.49			
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			
822D2:														
Lamoni, moderately eroded----------	0-11	-19-	-48-	27-34- 40	1.45-1.50	1.00-10.00	0.17-0.21	3.0-5.9	2.2-3.2	.37	.37	3	6	48
----------	11-50	-27-	-29-	38-44- 50	1.55-1.65	0.01-0.10	0.13-0.17	6.0-8.9	0.5-2.0	.28	.28			
----------	50-60	-31-	-33-	32-36- 40	1.60-1.70	0.10-1.00	0.14-0.18	6.0-8.9	0.0-0.5	.32	.32			
822D3:														
Lamoni, severely eroded----------	0-7	- 8-	-50-	40-43- 45	1.50-1.55	0.01-0.10	0.13-0.17	6.0-8.9	1.7-2.7	.32	.32	2	4	86
----------	7-45	-27-	-29-	38-44- 50	1.55-1.65	0.01-0.10	0.13-0.17	6.0-8.9	0.0-0.5	.28	.28			
----------	45-60	-31-	-33-	32-36- 40	1.60-1.70	0.10-1.00	0.14-0.18	6.0-8.9	0.0-0.5	.32	.32			
864B:														
Grundy----------	0-12	3- 5- 6	61-66- 66	28-29- 33	1.05-1.50	1.40-4.00	0.20-0.23	3.7-5.1	2.0-5.0	.32	.32	5	6	48
----------	12-17	1- 2- 3	52-54- 65	32-44- 45	1.20-1.65	0.40-1.40	0.12-0.14	4.4-8.7	0.5-2.0	.32	.32			
----------	17-35	1- 2- 3	47-56- 57	40-42- 50	1.25-1.60	0.42-1.40	0.11-0.13	6.5-9.9	0.0-1.0	.37	.37			
----------	35-60	1- 2- 3	60-62- 67	30-36- 40	1.40-1.70	0.42-1.40	0.15-0.20	3.7-7.1	0.0-0.5	.43	.43			
----------	60-79	1- 2- 3	60-63- 67	31-35- 40	1.40-1.70	0.42-1.40	0.15-0.20	3.9-7.1	0.0-0.5	.43	.43			
980B:														
Gullied land---------	0-61	--	--	--	---	---	---	---	---	---	---	--	---	---
Ely----------	0-22	- 7-	-64-	27-29- 30	1.30-1.35	1.00-10.00	0.21-0.23	3.0-5.9	5.0-6.0	.32	.32	5	6	48
----------	22-55	- 7-	-62-	28-32- 35	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	1.0-3.0	.43	.43			
----------	55-60	- 9-	-66-	20-25- 30	1.40-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.5-1.0	.49	.49			
Colo, occasionally flooded----------	0-25	- 7-	-62-	27-32- 36	1.28-1.32	1.00-10.00	0.21-0.23	3.0-5.9	5.0-7.0	.32	.32	5	6	48
----------	25-40	- 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			
----------	40-60	- 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			

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:														
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			
Gara, moderately eroded----------	0-14	-35-	-40-	20-25- 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
----------	14-40	-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			
993E2:														
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			
Gara, moderately eroded----------	0-14	-35-	-40-	20-25- 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
----------	14-40	-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			
993E3:														
Armstrong, severely eroded----------	0-8	10-30- 45	20-40- 63	27-30- 35	1.45-1.50	1.00-10.00	0.17-0.19	3.0-5.9	1.0-2.0	.37	.37	2	6	48
----------	8-11	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			
----------	11-23	25-35- 45	10-17- 49	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			
----------	23-51	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			
----------	51-80	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			
Gara, severely eroded	0-14	-35-	-34-	26-31- 36	1.50-1.55	1.00-10.00	0.16-0.18	3.0-5.9	1.1-2.5	.28	.28	4	6	48
----------	14-40	-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			
1313D:														
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			
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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					
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	---	---	---	---	---			
1313E3:														
Munterville, severely eroded-----	0-8	5-15- 30	40-55- 65	15-30- 35	1.30-1.40	1.41-4.23	0.14-0.16	3.0-5.9	0.5-1.0	.49	.49	4	6	48
----------	8-38	5-10- 20	25-42- 60	35-48- 65	1.50-1.60	0.01-0.42	0.12-0.14	6.0-8.9	0.0-0.5	.32	.32			
----------	38-66	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			
----------	66-79	--	--	--	---	0.01-0.42	---	---	---	---	---			
1313F:														
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	---	---	---	---	---			
5010:														
Pits, sand and gravel	---	--	--	--	---	---	---	---	---	---	---	--	---	---

5040:														
Udorthents, loamy----	---	--	--	--	---	---	---	---	---	---	---	5	---	---
AW:														
Animal waste lagoon--	---	--	--	--	---	---	---	---	---	---	---	--	---	---
BW:														
Built wetland--------	---	--	--	--	---	---	---	---	---	---	---	--	---	---
C220:														
Nodaway, frequently flooded, channeled--	0-7	0-16- 16	49-62- 79	18-22- 35	1.45-1.60	1.00-10.00	0.22-0.24	0.0-3.0	1.9-4.9	.32	.32	5	6	48
----------	7-80	0- 4- 15	55-71- 82	18-25- 35	1.38-1.60	1.00-10.00	0.20-0.22	0.0-3.0	1.4-2.4	.43	.43			
C315:														
Alluvial land, 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	0.5-2.5	.10	.10	5	2	134
----------	9-60	-85-	- 9-	2- 6- 10	1.50-1.75	10.00-100.00	0.02-0.04	0.0-2.9	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					
INT:														
Intermittent water---	---	--	--	--	---	---	---	---	---	---	---	--	---	---
M162:														
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			
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			
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			

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					
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			
M163D2:														
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			
M163E2:														
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			
M163F2:														
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			

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					
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			
S192D2:														
Adair, moderately eroded----------	0-8	15-21- 30	30-48- 60	25-31- 40	1.37-1.41	0.10-1.00	0.17-0.19	2.8-7.5	2.0-3.0	.37	.37	3	6	48

	8-17	15-25- 35	5-26- 47	38-49- 60	1.33-1.47	0.10-1.00	0.09-0.11	5.8-12.7	0.5-1.0	.24	.24				
	17-51	20-25- 35	27-41- 49	30-34- 40	1.45-1.56	0.10-1.00	0.14-0.16	3.2-7.1	0.0-0.5	.37	.37				
	51-68	20-33- 45	17-34- 50	30-34- 38	1.41-1.49	0.10-1.00	0.14-0.16	3.2-6.6	0.0-0.5	.32	.32				
	68-79	20-33- 45	17-34- 50	30-34- 38	1.41-1.49	0.10-1.00	0.14-0.16	3.2-6.6	0.0-0.5	.32	.32				
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				
S451D2:															
Caleb, moderately eroded	0-8	25-30- 50	28-46- 53	22-24- 26	1.38-1.45	1.00-10.00	0.14-0.18	2.5-3.6	2.0-3.0	.37	.37	5	6	48
	8-13	20-35- 45	30-45- 62	15-20- 25	1.42-1.52	1.00-10.00	0.14-0.18	0.9-2.3	0.0-1.0	.43	.43				
	13-34	35-40- 65	1-28- 53	10-32- 34	1.53-1.63	1.00-10.00	0.12-0.16	0.8-4.9	0.0-0.5	.28	.28				
	34-58	35-40- 65	3-30- 53	10-30- 34	1.55-1.64	1.00-10.00	0.12-0.16	0.8-4.9	0.0-0.5	.32	.32				
	58-68	35-40- 65	3-30- 53	10-30- 34	1.44-1.59	1.00-10.00	0.12-0.16	0.8-4.8	0.0-0.5	.32	.32				
	68-79	40-42- 85	0-30- 50	10-28- 34	1.46-1.68	1.00-10.00	0.12-0.16	0.8-4.8	0.0-0.5	.32	.32				
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				
SL:															
Sewage lagoon	---	--	--	--	---	---	---	---	---	---	---	--	---	---	

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					
T76B:														
Ladoga, terrace	0-9	-25-	-53-	18-23- 27	1.30-1.35	1.00-10.00	0.22-0.24	0.0-2.9	2.5-3.5	.37	.37	5	6	48
	9-42	- 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			
	42-60	-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			
T76C2:														
Ladoga, moderately eroded, terrace	0-9	-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
	9-42	- 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			
	42-60	-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			
T119:														
Muscatine, terrace	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			
T120B:														
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			
T162B:														
Downs, terrace	0-12	-11-	-67-	18-22- 26	1.25-1.30	1.00-10.00	0.21-0.23	0.0-2.9	2.5-3.5	.37	.37	5	6	48
	12-48	- 7-	-63-	26-31- 35	1.30-1.35	1.00-10.00	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
	48-60	- 9-	-67-	22-24- 26	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.49	.49			
T368:														
Macksburg, terrace	0-6	1- 3- 5	-67-	30-31- 34	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	4.5-5.5	.37	.37	5	6	48
	6-24	1- 3- 5	-67-	30-31- 34	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	3.5-4.5	.32	.32			
	24-42	1- 3- 5	-58-	36-39- 42	1.35-1.40	0.10-1.00	0.18-0.20	6.0-8.9	2.0-3.0	.32	.32			
	42-73	1- 3- 5	-68-	26-29- 32	1.40-1.50	1.00-10.00	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
T370:														
Sharpsburg, terrace	0-8	1- 2- 5	61-65- 69	29-33- 38	1.24-1.43	1.00-10.00	0.21-0.23	3.4-6.7	3.0-4.0	.37	.37	5	6	48
	8-17	1- 2- 4	60-63- 69	29-35- 38	1.22-1.28	1.00-10.00	0.21-0.23	3.8-6.4	2.4-3.5	.37	.37			
	17-31	1- 2- 5	55-60- 63	33-38- 42	1.23-1.33	0.10-1.00	0.18-0.20	4.6-7.9	0.5-1.0	.37	.37			
	31-38	1- 2- 6	61-64- 68	30-34- 38	1.32-1.39	1.00-10.00	0.18-0.20	4.0-6.9	0.3-0.5	.43	.43			
	38-46	1- 2- 4	62-66- 73	25-32- 36	1.33-1.40	1.00-10.00	0.18-0.20	3.6-6.3	0.2-0.5	.43	.43			
	46-79	1- 2- 4	64-69- 73	25-29- 34	1.34-1.50	1.00-10.00	0.18-0.20	3.3-5.0	0.2-0.5	.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					
T370B:														
Sharpsburg, terrace	0-8	1- 2- 5	61-65- 69	29-33- 38	1.24-1.43	1.00-10.00	0.21-0.23	3.4-6.7	3.0-4.0	.37	.37	5	6	48
	8-17	1- 2- 4	60-63- 69	29-35- 38	1.22-1.28	1.00-10.00	0.21-0.23	3.8-6.4	2.4-3.5	.37	.37			
	17-31	1- 2- 5	55-60- 63	33-38- 42	1.23-1.33	0.10-1.00	0.18-0.20	4.6-7.9	0.5-1.0	.37	.37			
	31-38	1- 2- 6	61-64- 68	30-34- 38	1.32-1.39	1.00-10.00	0.18-0.20	4.0-6.9	0.3-0.5	.43	.43			
	38-46	1- 2- 4	62-66- 73	25-32- 36	1.33-1.40	1.00-10.00	0.18-0.20	3.6-6.3	0.2-0.5	.43	.43			
	46-79	1- 2- 4	64-69- 73	25-29- 34	1.34-1.50	1.00-10.00	0.18-0.20	3.3-5.0	0.2-0.5	.49	.49			
T370C2:														
Sharpsburg, eroded, terrace	0-7	1- 2- 5	62-64- 65	33-34- 36	1.36-1.40	1.00-10.00	0.21-0.23	4.8-6.5	2.7-3.7	.37	.37	5	6	48
	7-21	1- 2- 5	55-60- 63	33-38- 42	1.23-1.33	0.10-1.00	0.18-0.20	4.6-7.7	0.5-1.0	.37	.37			
	21-40	1- 2- 6	61-64- 68	30-34- 38	1.32-1.39	1.00-10.00	0.18-0.20	4.0-6.9	0.3-0.5	.43	.43			
	40-48	1- 2- 4	62-66- 73	25-32- 36	1.33-1.40	1.00-10.00	0.18-0.20	3.6-6.3	0.2-0.5	.43	.43			
	48-79	1- 2- 4	64-69- 73	25-29- 34	1.34-1.50	1.00-10.00	0.18-0.20	3.3-5.0	0.2-0.5	.49	.49			
W:														
Water	---	--	--	--	---	---	---	---	---	---	---	--	---	---
Y11B:														
Colo, occasionally flooded	0-8	1- 6- 25	44-64- 73	22-30- 35	1.18-1.35	1.00-10.00	0.21-0.23	1.9-4.1	3.0-7.0	.28	.28	5	6	48
	8-34	0- 6- 19	48-63- 73	24-31- 35	1.18-1.29	1.00-10.00	0.18-0.20	3.2-5.7	2.0-5.7	.32	.32			
	34-46	1- 4- 15	50-63- 69	30-33- 35	1.33-1.38	1.00-10.00	0.18-0.20	4.2-5.6	1.0-3.6	.37	.37			
	46-52	2- 5- 10	58-63- 66	29-32- 35	1.32-1.44	1.00-10.00	0.18-0.20	4.0-5.3	0.7-2.0	.43	.43			
	52-79	1- 6- 27	41-64- 72	24-30- 35	1.40-1.41	1.00-10.00	0.18-0.20	3.0-5.3	0.5-1.9	.43	.43			
Ely	0-8	2- 8- 11	55-63- 72	23-29- 34	1.30-1.60	1.00-10.00	0.16-0.23	2.1-3.6	5.0-6.0	.37	.37	5	6	48
	8-32	2- 3- 4	61-64- 69	29-33- 35	1.30-1.55	1.00-10.00	0.16-0.23	4.0-5.5	4.0-5.0	.28	.28			
	32-58	2- 3- 5	60-64- 70	28-33- 38	1.30-1.55	1.00-10.00	0.18-0.20	3.7-5.7	1.0-3.0	.37	.37			
	58-79	2- 4- 8	61-68- 73	22-28- 35	1.35-1.45	1.00-10.00	0.18-0.20	2.4-5.2	0.5-1.0	.49	.49			
Y24D2:														
Shelby, dissected till plain, eroded	0-7	29-33- 38	33-37- 43	26-30- 34	1.33-1.42	1.00-10.00	0.17-0.19	3.1-5.2	1.9-4.1	.28	.28	5	6	48
	7-37	22-30- 35	30-35- 45	32-35- 39	1.34-1.54	1.00-10.00	0.15-0.17	3.8-6.0	0.4-2.1	.28	.28			
	37-45	23-30- 35	34-39- 46	26-31- 32	1.47-1.52	1.00-10.00	0.14-0.16	2.7-4.1	0.0-0.5	.32	.32			
	45-79	29-32- 37	33-37- 42	24-31- 36	1.48-1.50	1.00-10.00	0.14-0.16	2.2-4.9	0.0-0.5	.32	.32			
Y24E2:														
Shelby, dissected till plain, eroded	0-7	29-33- 38	33-37- 43	26-30- 34	1.33-1.42	1.00-10.00	0.17-0.19	3.1-5.2	1.9-4.1	.28	.28	5	6	48
	7-37	22-30- 35	30-35- 45	32-35- 39	1.34-1.54	1.00-10.00	0.15-0.17	3.8-6.0	0.4-2.1	.28	.28			
	37-45	23-30- 35	34-39- 46	26-31- 32	1.47-1.52	1.00-10.00	0.14-0.16	2.7-4.1	0.0-0.5	.32	.32			

----------	45-79	29-32- 37	33-37- 42	24-31- 36	1.48-1.50	1.00-10.00	0.14-0.16	2.2-4.9	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					
Y24F2:														
Shelby, dissected till plain, eroded--	0-7	29-33- 38	33-37- 43	26-30- 34	1.33-1.42	1.00-10.00	0.17-0.19	3.1-5.2	1.9-4.1	.28	.28	5	6	48
----------	7-37	22-30- 35	30-35- 45	32-35- 39	1.34-1.54	1.00-10.00	0.15-0.17	3.8-6.0	0.4-2.1	.28	.28			
----------	37-45	23-30- 35	34-39- 46	26-31- 32	1.47-1.52	1.00-10.00	0.14-0.16	2.7-4.1	0.0-0.5	.32	.32			
----------	45-79	29-32- 37	33-37- 42	24-31- 36	1.48-1.50	1.00-10.00	0.14-0.16	2.2-4.9	0.0-0.5	.32	.32			
Y93D2:														
Shelby, dissected till plain, eroded--	0-7	29-33- 38	33-37- 43	26-30- 34	1.33-1.42	1.00-10.00	0.17-0.19	3.1-5.2	1.9-4.1	.28	.28	5	6	48
----------	7-37	22-30- 35	30-35- 45	32-35- 39	1.34-1.54	1.00-10.00	0.15-0.17	3.8-6.0	0.4-2.1	.28	.28			
----------	37-45	23-30- 35	34-39- 46	26-31- 32	1.47-1.52	1.00-10.00	0.14-0.16	2.7-4.1	0.0-0.5	.32	.32			
----------	45-79	29-32- 37	33-37- 42	24-31- 36	1.48-1.50	1.00-10.00	0.14-0.16	2.2-4.9	0.0-0.5	.32	.32			
Adair, dissected till plain, eroded--	0-7	11-23- 27	40-47- 58	27-30- 36	1.30-1.37	1.00-10.00	0.17-0.19	3.2-6.5	3.0-4.0	.32	.32	3	6	48
----------	7-17	6-22- 31	25-35- 52	39-43- 48	1.33-1.44	0.01-0.10	0.09-0.11	5.7-9.5	0.3-1.8	.32	.32			
----------	17-59	20-31- 39	26-34- 41	30-35- 40	1.45-1.53	1.00-10.00	0.14-0.16	3.3-7.3	0.2-1.0	.28	.28			
----------	59-74	29-33- 40	28-33- 38	29-34- 39	1.44-1.50	1.00-10.00	0.14-0.16	2.9-6.7	0.0-0.5	.28	.28			
----------	74-79	27-33- 41	27-35- 42	29-32- 33	1.41-1.49	1.00-10.00	0.14-0.16	2.9-4.5	0.0-0.5	.32	.32			
Y93E2:														
Shelby, dissected till plain, eroded--	0-7	29-33- 38	33-37- 43	26-30- 34	1.33-1.42	1.00-10.00	0.17-0.19	3.1-5.2	1.9-4.1	.28	.28	5	6	48
----------	7-37	22-30- 35	30-35- 45	32-35- 39	1.34-1.54	1.00-10.00	0.15-0.17	3.8-6.0	0.4-2.1	.28	.28			
----------	37-45	23-30- 35	34-39- 46	26-31- 32	1.47-1.52	1.00-10.00	0.14-0.16	2.7-4.1	0.0-0.5	.32	.32			
----------	45-79	29-32- 37	33-37- 42	24-31- 36	1.48-1.50	1.00-10.00	0.14-0.16	2.2-4.9	0.0-0.5	.32	.32			
Adair, dissected till plain, eroded--	0-7	11-23- 27	40-47- 58	27-30- 36	1.30-1.37	1.00-10.00	0.17-0.19	3.2-6.5	3.0-4.0	.32	.32	3	6	48
----------	7-17	6-22- 31	25-35- 52	39-43- 48	1.33-1.44	0.01-0.10	0.09-0.11	5.7-9.5	0.3-1.8	.32	.32			
----------	17-59	20-31- 39	26-34- 41	30-35- 40	1.45-1.53	1.00-10.00	0.14-0.16	3.3-7.3	0.2-1.0	.28	.28			
----------	59-74	29-33- 40	28-33- 38	29-34- 39	1.44-1.50	1.00-10.00	0.14-0.16	2.9-6.7	0.0-0.5	.28	.28			
----------	74-79	27-33- 41	27-35- 42	29-32- 33	1.41-1.49	1.00-10.00	0.14-0.16	2.9-4.5	0.0-0.5	.32	.32			
Y93E3:														
Shelby, dissected till plain, severely eroded-----	0-2	20-32- 45	30-35- 45	24-33- 35	1.37-1.53	1.00-10.00	0.14-0.16	2.8-5.3	1.2-2.2	.28	.28	4	6	48
----------	2-48	22-30- 35	30-35- 45	32-35- 39	1.34-1.54	1.00-10.00	0.15-0.17	3.8-6.0	0.4-2.1	.28	.28			
----------	48-62	29-32- 37	33-37- 42	24-31- 36	1.43-1.54	1.00-10.00	0.14-0.16	2.2-4.9	0.0-0.5	.32	.32			
----------	62-79	29-32- 37	33-37- 42	24-31- 36	1.48-1.50	1.00-10.00	0.14-0.16	2.2-4.9	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, dissected till plain, severely eroded-----	0-3	9-22- 38	34-49- 62	27-29- 32	1.36-1.45	1.00-10.00	0.17-0.19	2.5-4.6	1.8-2.9	.37	.37	2	6	48
----------	3-26	6-22- 31	25-35- 52	39-43- 48	1.33-1.44	0.01-0.10	0.09-0.11	5.7-9.5	0.3-1.8	.32	.32			
----------	26-59	20-31- 39	26-34- 41	30-35- 40	1.45-1.53	1.00-10.00	0.14-0.16	3.3-7.3	0.2-1.0	.28	.28			
----------	59-70	29-33- 40	28-33- 38	29-34- 39	1.44-1.50	1.00-10.00	0.14-0.16	2.9-6.7	0.0-0.5	.28	.28			
----------	70-79	27-33- 41	27-35- 42	29-32- 33	1.41-1.49	1.00-10.00	0.14-0.16	2.9-4.5	0.0-0.5	.32	.32			
Y192D2:														
Adair, dissected till plain, eroded--	0-7	11-23- 27	40-47- 58	27-30- 36	1.30-1.37	1.00-10.00	0.17-0.19	3.2-6.5	3.0-4.0	.32	.32	3	6	48
----------	7-17	6-22- 31	25-35- 52	39-43- 48	1.33-1.44	0.01-0.10	0.09-0.11	5.7-9.5	0.3-1.8	.32	.32			
----------	17-59	20-31- 39	26-34- 41	30-35- 40	1.45-1.53	1.00-10.00	0.14-0.16	3.3-7.3	0.2-1.0	.28	.28			
----------	59-74	29-33- 40	28-33- 38	29-34- 39	1.44-1.50	1.00-10.00	0.14-0.16	2.9-6.7	0.0-0.5	.28	.28			
----------	74-79	27-33- 41	27-35- 42	29-32- 33	1.41-1.49	1.00-10.00	0.14-0.16	2.9-4.5	0.0-0.5	.32	.32			
Y212:														
Kennebec, occasionally flooded	0-8	1- 6- 12	56-68- 74	22-26- 32	1.24-1.33	1.00-10.00	0.22-0.24	2.9-4.8	4.3-5.3	.28	.28	5	6	48
----------	8-54	1- 8- 15	53-66- 72	22-26- 32	1.27-1.34	1.00-10.00	0.20-0.22	2.8-4.8	2.4-4.6	.37	.37			
----------	54-79	1-12- 19	49-62- 73	17-26- 32	1.35-1.41	1.00-10.00	0.20-0.22	1.8-4.7	0.6-1.8	.43	.43			
Y369:														
Winterset----------	0-7	1- 2- 3	65-68- 70	28-30- 33	1.24-1.36	1.00-10.00	0.21-0.23	3.8-4.9	4.0-6.0	.43	.43	5	6	48
----------	7-19	1- 2- 3	59-63- 66	32-35- 39	1.23-1.28	1.00-10.00	0.21-0.23	4.6-7.3	4.0-5.0	.28	.28			
----------	19-25	1- 2- 4	53-56- 58	40-42- 44	1.32-1.34	0.01-1.00	0.18-0.20	7.3-8.5	1.0-3.0	.37	.37			
----------	25-32	1- 2- 4	53-56- 58	40-42- 44	1.32-1.34	0.01-1.00	0.18-0.20	7.3-8.5	1.0-3.0	.37	.37			
----------	32-79	1- 2- 4	58-61- 63	35-37- 40	1.38-1.41	1.00-10.00	0.18-0.20	5.4-7.3	0.0-1.0	.37	.37			
Y428B:														
Ely----------	0-8	2- 8- 11	55-63- 72	23-29- 34	1.30-1.60	1.00-10.00	0.16-0.23	2.1-3.6	5.0-6.0	.37	.37	5	6	48
----------	8-32	2- 3- 4	61-64- 69	29-33- 35	1.30-1.55	1.00-10.00	0.16-0.23	4.0-5.5	4.0-5.0	.28	.28			
----------	32-58	2- 3- 5	60-64- 70	28-33- 38	1.30-1.55	1.00-10.00	0.18-0.20	3.7-5.7	1.0-3.0	.37	.37			
----------	58-79	2- 4- 8	61-68- 73	22-28- 35	1.35-1.45	1.00-10.00	0.18-0.20	2.4-5.2	0.5-1.0	.49	.49			
YC220:														
Nodaway, channeled, frequently flooded--	0-7	0- 9- 29	55-66- 82	16-25- 33	1.29-1.43	1.00-10.00	0.22-0.24	1.7-5.0	1.5-5.0	.32	.32	5	6	48
----------	7-79	0-10- 34	40-67- 82	13-23- 33	1.36-1.42	1.00-10.00	0.20-0.22	1.3-5.0	0.7-3.6	.43	.43			