Physical Properties of the Soils

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Monroe County, Iowa

Map symbol and soil name	Component percent	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
11B:													
Colo----------	55	0-7	27-36	1.28-1.32	0.6-2	0.21-0.23	3.0-5.9	5.0-7.0	.28	.28	5	7	38
		7-36	30-35	1.25-1.35	0.6-2	0.18-0.20	3.0-5.9	3.0-4.0	.28	.28			
		36-60	25-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32			
Ely----------	30	0-25	27-30	1.30-1.35	0.6-2	0.21-0.23	3.0-5.9	4.0-6.0	.28	.28	5	7	38
		25-47	28-35	1.30-1.40	0.6-2	0.18-0.20	3.0-5.9	1.0-3.0	.43	.43			
		47-60	20-30	1.40-1.45	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
13B:													
Olmitz----------	40	0-29	24-27	1.40-1.45	0.6-2	0.19-0.21	3.0-5.9	2.4-7.0	.24	.24	5	6	48
		29-60	24-30	1.40-1.45	0.6-2	0.19-0.21	3.0-5.9	2.0-3.0	.28	.28			
Colo----------	30	0-7	27-36	1.28-1.32	0.6-2	0.21-0.23	3.0-5.9	2.4-7.0	.28	.28	5	6	38
		7-36	30-35	1.25-1.35	0.6-2	0.18-0.20	3.0-5.9	3.0-4.0	.28	.28			
		36-60	25-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32			
Vesser----------	20	0-13	20-26	1.30-1.35	0.6-2	0.20-0.24	3.0-5.9	2.4-7.0	.28	.28	5	6	48
		13-31	18-22	1.35-1.40	0.6-2	0.18-0.22	3.0-5.9	1.0-2.0	.43	.43			
		31-60	30-35	1.40-1.45	0.6-2	0.17-0.21	3.0-5.9	0.0-1.0	.43	.43			
23C:													
Arispe----------	95	0-10	28-38	1.35-1.40	0.6-2	0.21-0.23	6.0-8.9	3.0-4.0	.37	.37	3	7	38
		10-46	38-42	1.35-1.45	0.06-0.2	0.18-0.20	6.0-8.9	0.5-1.0	.43	.43			
		46-60	24-35	1.40-1.50	0.6-2	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
23C2:													
Arispe----------	95	0-7	28-38	1.35-1.40	0.6-2	0.21-0.23	6.0-8.9	2.2-3.2	.37	.37	3	7	38
		7-39	38-42	1.35-1.45	0.06-0.2	0.18-0.20	6.0-8.9	0.5-1.0	.43	.43			
		39-60	24-35	1.40-1.50	0.6-2	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
24D2:													
Shelby----------	90	0-7	27-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	2.2-3.2	.32	.32	5	6	48
		7-11	30-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	1.0-2.0	.28	.28			
		11-39	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-1.0	.28	.28			
		39-60	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			

Physical Properties of the Soils

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Monroe County, Iowa

Map symbol and soil name	Component percent	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
24E2:													
Shelby----------	90	0-7	27-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	2.2-3.2	.32	.32	5	6	48
		7-11	30-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	1.0-2.0	.28	.28			
		11-39	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-1.0	.28	.28			
		39-60	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			
41D:													
Sparta----------	100	0-16	3-10	1.20-1.40	2-6	0.09-0.12	0.0-2.9	1.0-2.0	.17	.17	5	2	134
		16-35	1-8	1.40-1.60	6-20	0.05-0.11	0.0-2.9	0.1-1.0	.17	.17			
		35-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.17	.17			
51:													
Vesser----------	95	0-13	20-26	1.30-1.35	0.6-2	0.20-0.24	3.0-5.9	3.0-4.0	.28	.28	5	6	48
		13-31	18-22	1.35-1.40	0.6-2	0.18-0.22	3.0-5.9	1.0-2.0	.43	.43			
		31-60	30-35	1.40-1.45	0.6-2	0.17-0.21	3.0-5.9	0.0-1.0	.43	.43			
54:													
Zook----------	95	0-15	35-40	1.30-1.35	0.2-0.6	0.21-0.23	6.0-8.9	5.0-7.0	.37	.37	5	7	38
		15-33	36-45	1.30-1.45	0.06-0.2	0.11-0.13	6.0-8.9	2.0-4.0	.28	.28			
		33-60	20-45	1.30-1.45	0.0002-0.6	0.11-0.22	6.0-8.9	0.0-1.0	.28	.28			
54+:													
Zook----------	95	0-18	20-26	1.30-1.35	0.6-2	0.22-0.24	3.0-5.9	2.0-4.0	.37	.37	4	6	48
		18-40	36-45	1.30-1.45	0.06-0.2	0.11-0.13	6.0-8.9	2.0-4.0	.28	.28			
		40-60	20-45	1.30-1.45	0.0002-0.6	0.11-0.22	6.0-8.9	0.0-1.0	.28	.28			
58D2:													
Douds----------	95	0-6	20-27	1.45-1.50	0.6-2	0.15-0.17	0.0-2.9	1.5-2.5	.32	.32	5	6	48
		6-28	26-35	1.45-1.65	0.6-2	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
		28-60	5-30	1.55-1.75	0.6-6	0.11-0.13	0.0-2.9	0.0-0.5	.32	.32			
58E2:													
Douds----------	95	0-6	20-27	1.45-1.50	0.6-2	0.15-0.17	0.0-2.9	1.5-2.5	.32	.32	5	6	48
		6-28	26-35	1.45-1.65	0.6-2	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
		28-60	5-30	1.55-1.75	0.6-6	0.11-0.13	0.0-2.9	0.0-0.5	.32	.32			

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Monroe County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
65D:													
Lindley----------	100	0-8	18-27	1.20-1.40	0.6-2	0.16-0.18	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		8-52	25-35	1.40-1.60	0.2-0.6	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
		52-60	18-32	1.45-1.65	0.2-0.6	0.12-0.16	3.0-5.9	0.1-0.5	.32	.32			
65E:													
Lindley----------	95	0-8	18-27	1.20-1.40	0.6-2	0.16-0.18	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		8-52	25-35	1.40-1.60	0.2-0.6	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
		52-60	18-32	1.45-1.65	0.2-0.6	0.12-0.16	3.0-5.9	0.1-0.5	.32	.32			
65E2:													
Lindley----------	95	0-8	18-27	1.20-1.40	0.6-2	0.16-0.18	0.0-2.9	1.5-2.5	.37	.32	5	6	48
		8-52	25-35	1.40-1.60	0.2-0.6	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
		52-60	18-32	1.45-1.65	0.2-0.6	0.12-0.16	3.0-5.9	0.1-0.5	.32	.32			
65G:													
Lindley----------	95	0-8	18-27	1.20-1.40	0.6-2	0.16-0.18	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		8-52	25-35	1.40-1.60	0.2-0.6	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
		52-60	18-32	1.45-1.65	0.2-0.6	0.12-0.16	3.0-5.9	0.1-0.5	.32	.32			
76B:													
Ladoga----------	95	0-11	18-27	1.30-1.35	0.6-2	0.22-0.24	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		11-54	36-42	1.30-1.40	0.2-0.6	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		54-60	24-32	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
76C:													
Ladoga----------	100	0-11	18-27	1.30-1.35	0.6-2	0.22-0.24	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		11-54	36-42	1.30-1.40	0.2-0.6	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		54-60	24-32	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
76C2:													
Ladoga----------	100	0-11	18-27	1.30-1.35	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		11-54	36-42	1.30-1.40	0.2-0.6	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		54-60	24-32	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
76D:													
Ladoga----------	95	0-11	18-27	1.30-1.35	0.6-2	0.22-0.24	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		11-54	36-42	1.30-1.40	0.2-0.6	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		54-60	24-32	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
76D2:													
Ladoga----------	100	0-11	18-27	1.30-1.35	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		11-54	36-42	1.30-1.40	0.2-0.6	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		54-60	24-32	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
80D:													
Clinton----------	95	0-13	16-26	1.30-1.40	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.37	.37	5	6	48
		13-46	36-42	1.35-1.45	0.2-0.6	0.16-0.20	3.0-5.9	0.0-1.0	.37	.37			
		46-60	24-35	1.40-1.55	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.37	.37			
80D2:													
Clinton----------	100	0-6	27-34	1.30-1.40	0.6-2	0.18-0.20	3.0-5.9	1.5-2.5	.37	.37	5	7	38
		6-37	36-42	1.35-1.45	0.2-0.6	0.16-0.20	3.0-5.9	0.0-0.5	.37	.37			
		37-60	24-35	1.40-1.55	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.37	.37			
130:													
Belinda----------	95	0-6	16-22	1.35-1.40	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.37	.37	3	6	48
		6-18	18-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	0.5-1.0	.43	.43			
		18-41	28-52	1.30-1.45	0.0000-0.06	0.12-0.14	6.0-8.9	0.5-1.0	.32	.32			
		41-70	28-40	1.40-1.50	0.0000-0.6	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
131B:													
Pershing----------	95	0-9	20-27	1.30-1.40	0.6-2	0.22-0.24	0.0-2.9	2.5-3.5	.37	.37	3	6	48
		9-13	27-35	1.30-1.40	0.2-0.6	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
		13-37	35-48	1.35-1.45	0.06-0.2	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
		37-72	24-40	1.35-1.50	0.2-0.6	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
131C:													
Pershing----------	90	0-9	20-27	1.30-1.40	0.6-2	0.22-0.24	0.0-2.9	2.5-3.5	.37	.37	3	6	48
		9-13	27-35	1.30-1.40	0.2-0.6	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
		13-37	35-48	1.35-1.45	0.06-0.2	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
		37-60	24-40	1.35-1.50	0.2-0.6	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
132B:													
Weller----------	95	0-15	16-27	1.35-1.45	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.37	.37	3	6	48
		15-60	28-48	1.35-1.50	0.06-0.2	0.12-0.18	6.0-8.9	0.0-0.5	.43	.43			
132C:													
Weller----------	100	0-15	16-27	1.35-1.45	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.37	.37	3	6	48
		15-60	28-48	1.35-1.50	0.06-0.2	0.12-0.18	6.0-8.9	0.0-0.5	.43	.43			
133:													
Colo----------	100	0-7	27-36	1.28-1.32	0.6-2	0.21-0.23	3.0-5.9	5.0-7.0	.28	.28	5	7	38
		7-36	30-35	1.25-1.35	0.6-2	0.18-0.20	3.0-5.9	3.0-4.0	.28	.28			
		36-60	25-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32			
133+:													
Colo----------	100	0-10	20-26	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	3.0-5.0	.28	.28	5	6	48
		10-38	30-35	1.25-1.35	0.6-2	0.18-0.20	3.0-5.9	3.0-4.0	.28	.28			
		38-60	25-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32			
133B:													
Colo----------	100	0-7	27-36	1.28-1.32	0.6-2	0.21-0.23	3.0-5.9	5.0-7.0	.28	.28	5	7	38
		7-36	30-35	1.25-1.35	0.6-2	0.18-0.20	3.0-5.9	3.0-4.0	.28	.28			
		36-60	25-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32			
179D2:													
Gara----------	90	0-8	27-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	2.0-3.0	.32	.32	5	6	48
		8-54	25-38	1.55-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.32	.32			
		54-60	24-38	1.65-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			
179E2:													
Gara----------	100	0-8	27-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	2.0-3.0	.32	.32	5	6	48
		8-54	25-38	1.55-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.32	.32			
		54-60	24-38	1.65-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
179F:													
Gara----------	90	0-8	18-27	1.50-1.55	0.6-2	0.20-0.22	3.0-5.9	2.5-3.5	.28	.28	5	6	48
		8-54	25-38	1.55-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-1.0	.32	.32			
		54-60	24-38	1.65-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			
179F2:													
Gara----------	90	0-8	27-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	2.0-3.0	.32	.32	5	6	48
		8-54	25-38	1.55-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.32	.32			
		54-60	24-38	1.65-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			
192D2:													
Adair----------	90	0-6	35-42	1.45-1.50	0.2-0.6	0.17-0.19	3.0-5.9	2.2-3.2	.32	.32	3	6	86
		6-40	38-60	1.55-1.60	0.06-0.2	0.13-0.16	6.0-8.9	0.5-1.0	.32	.32			
		40-60	30-38	1.60-1.70	0.2-0.6	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32			
211:													
Edina----------	95	0-7	15-27	1.35-1.45	0.6-2	0.22-0.24	3.0-5.9	3.5-4.5	.37	.37	3	6	48
		7-17	15-27	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.5-1.0	.37	.37			
		17-48	45-60	1.30-1.45	0.0000-0.06	0.11-0.13	9.0-25.0	0.0-0.5	.37	.37			
		48-60	27-40	1.35-1.50	0.06-0.2	0.18-0.20	6.0-8.9	0.0-0.5	.37	.37			
220:													
Nodaway----------	95	0-10	18-27	1.25-1.35	0.6-2	0.20-0.23	0.0-2.9	1.5-2.5	.32	.32	5	6	48
		10-60	18-28	1.25-1.35	0.6-2	0.20-0.23	3.0-5.9	0.0-0.5	.43	.43			
222C:													
Clarinda----------	90	0-5	27-38	1.45-1.50	0.2-0.6	0.17-0.19	3.0-5.9	3.0-4.0	.37	.37	3	7	38
		5-25	40-60	1.50-1.65	0.0000-0.06	0.14-0.16	6.0-8.9	0.5-1.0	.37	.37			
		25-60	40-60	1.50-1.65	0.0000-0.06	0.14-0.16	6.0-8.9	0.0-0.5	.37	.37			
222C2:													
Clarinda----------	90	0-5	27-38	1.45-1.50	0.2-0.6	0.17-0.19	3.0-5.9	2.2-3.2	.37	.37	3	7	38
		5-25	40-60	1.50-1.65	0.0000-0.6	0.14-0.16	6.0-8.9	0.5-1.0	.37	.37			
		25-60	40-60	1.50-1.65	0.0000-0.06	0.14-0.16	6.0-8.9	0.0-0.5	.37	.37			

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Monroe County, Iowa

Map symbol and soil name	Component percent	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
222D2:													
Clarinda----------	90	0-5	27-38	1.45-1.50	0.2-0.6	0.17-0.19	3.0-5.9	2.2-3.2	.37	.37	3	7	38
		5-25	40-60	1.50-1.65	0.0000-0.6	0.14-0.16	6.0-8.9	0.5-1.0	.37	.37			
		25-60	40-60	1.50-1.65	0.0000-0.06	0.14-0.16	6.0-8.9	0.0-0.5	.37	.37			
223C2:													
Rinda----------	95	0-7	27-35	1.45-1.50	0.2-0.6	0.20-0.22	3.0-5.9	2.0-3.0	.43	.43	3	7	38
		7-11	30-40	1.45-1.50	0.2-0.6	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
		11-60	40-60	1.50-1.65	0.0000-0.06	0.14-0.16	6.0-8.9	0.0-0.5	.32	.32			
223D2:													
Rinda----------	95	0-7	27-35	1.45-1.50	0.2-0.6	0.20-0.22	3.0-5.9	2.0-3.0	.43	.43	3	7	38
		7-11	30-40	1.45-1.50	0.2-0.6	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
		11-60	40-60	1.50-1.65	0.0000-0.06	0.14-0.16	6.0-8.9	0.0-0.5	.32	.32			
260:													
Beckwith----------	95	0-6	16-22	1.35-1.40	0.6-2	0.22-0.24	0.0-2.9	1.5-2.5	.37	.37	3	6	48
		6-13	18-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	0.5-1.0	.43	.43			
		13-46	40-52	1.30-1.45	0.0000-0.06	0.12-0.14	6.0-8.9	0.0-0.5	.43	.43			
		46-60	28-40	1.40-1.50	0.2-0.6	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
263:													
Okaw----------	95	0-14	15-27	1.20-1.40	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.43	.43	3	6	48
		14-48	40-60	1.35-1.60	0.0000-0.06	0.09-0.18	6.0-8.9	0.5-1.0	.32	.32			
		48-60	35-60	1.45-1.70	0.0000-0.06	0.08-0.18	6.0-8.9	0.0-0.5	.32	.32			
273C:													
Olmitz----------	100	0-29	24-27	1.40-1.45	0.6-2	0.19-0.21	3.0-5.9	3.0-4.0	.24	.24	5	6	48
		29-60	24-30	1.40-1.45	0.6-2	0.19-0.21	3.0-5.9	2.0-3.0	.28	.28			
279:													
Taintor----------	90	0-12	24-27	1.25-1.30	0.6-2	0.19-0.21	0.0-2.9	5.0-6.0	.28	.28	5	6	48
		12-18	30-36	1.30-1.40	0.2-0.6	0.21-0.23	3.0-5.9	2.0-3.0	.32	.32			
		18-52	35-44	1.30-1.45	0.2-0.6	0.14-0.18	6.0-8.9	0.0-1.0	.43	.43			
		52-60	24-34	1.40-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			

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Monroe County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
280:													
Mahaska----------	90	0-19	27-32	1.30-1.40	0.6-2	0.21-0.23	3.0-5.9	5.0-6.0	.28	.28	5	7	38
		19-50	36-42	1.30-1.45	0.6-2	0.14-0.18	3.0-5.9	1.0-2.0	.43	.43			
		50-60	24-32	1.40-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
281B:													
Otley----------	95	0-16	28-34	1.25-1.35	0.6-2	0.21-0.23	3.0-5.9	3.0-4.0	.28	.28	5	7	38
		16-48	36-42	1.30-1.40	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		48-60	24-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
281C:													
Otley----------	95	0-16	28-34	1.25-1.35	0.6-2	0.21-0.23	3.0-5.9	3.0-4.0	.28	.28	5	7	38
		16-48	36-42	1.30-1.40	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		48-60	24-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
281C2:													
Otley----------	100	0-7	28-34	1.25-1.35	0.6-2	0.21-0.23	3.0-5.9	2.2-3.2	.32	.32	5	7	38
		7-16	28-34	1.25-1.35	0.6-2	0.21-0.23	3.0-5.9	1.0-2.0	.43	.43			
		16-48	36-42	1.30-1.40	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		48-60	24-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
313D:													
Gosport----------	95	0-8	18-27	1.30-1.40	0.2-0.6	0.18-0.20	0.0-2.9	2.0-3.0	.43	.43	3	6	48
		8-28	36-60	1.50-1.60	0.0000-0.06	0.12-0.14	6.0-8.9	0.0-0.5	.32	.32			
		28-60	---	---	0.0000-0.06	---	---	---	---	---			
313D2:													
Gosport----------	95	0-8	18-27	1.30-1.40	0.2-0.6	0.18-0.20	0.0-2.9	1.5-2.5	.43	.43	3	6	48
		8-28	36-60	1.50-1.60	0.0000-0.06	0.12-0.14	6.0-8.9	0.0-0.5	.32	.32			
		28-60	---	---	0.0000-0.06	---	---	---	---	---			
313E:													
Gosport----------	85	0-8	18-27	1.30-1.40	0.2-0.6	0.18-0.20	0.0-2.9	2.0-3.0	.43	.43	3	6	48
		8-28	36-60	1.50-1.60	0.0000-0.06	0.12-0.14	6.0-8.9	0.0-0.5	.32	.32			
		28-60	---	---	0.0000-0.06	---	---	---	---	---			

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Monroe County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
313E2:													
Gosport----------	85	0-8	18-27	1.30-1.40	0.2-0.6	0.18-0.20	0.0-2.9	1.5-2.5	.43	.43	3	6	48
		8-28	36-60	1.50-1.60	0.0000-0.06	0.12-0.14	6.0-8.9	0.0-0.5	.32	.32			
		28-60	---	---	0.0000-0.06	---	---	---	---	---			
313F:													
Gosport----------	85	0-8	18-27	1.30-1.40	0.2-0.6	0.18-0.20	0.0-2.9	2.0-3.0	.43	.43	3	6	48
		8-28	36-60	1.50-1.60	0.0000-0.06	0.12-0.14	6.0-8.9	0.0-0.5	.32	.32			
		28-60	---	---	0.0000-0.06	---	---	---	---	---			
362:													
Haig----------	90	0-7	32-40	1.35-1.40	0.6-2	0.21-0.23	6.0-8.9	3.5-4.5	.37	.37	3	7	38
		7-17	28-48	1.30-1.35	0.6-2	0.21-0.23	6.0-8.9	1.0-2.0	.37	.37			
		17-41	40-50	1.30-1.45	0.06-0.2	0.12-0.14	6.0-8.9	0.0-1.0	.32	.32			
		41-60	28-40	1.40-1.50	0.2-0.6	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
364B:													
Grundy----------	100	0-12	28-35	1.35-1.45	0.2-0.6	0.18-0.20	6.0-8.9	3.0-4.0	.37	.37	3	7	38
		12-16	32-45	1.35-1.45	0.2-0.6	0.18-0.20	6.0-8.9	0.5-1.0	.37	.37			
		16-42	40-50	1.30-1.40	0.06-0.2	0.11-0.13	6.0-8.9	0.0-0.5	.37	.37			
		42-60	28-35	1.35-1.40	0.06-0.2	0.18-0.20	6.0-8.9	0.0-0.5	.37	.37			
419D2:													
Vanmeter----------	100	0-6	27-35	1.30-1.40	0.2-0.6	0.14-0.16	3.0-5.9	1.5-2.5	.43	.43	3	4L	86
		6-25	40-60	1.50-1.60	0.0000-0.06	0.12-0.14	6.0-8.9	0.0-1.0	.32	.32			
		25-60	---	---	0.0000-0.06	---	---	---	---	---			
419E2:													
Vanmeter----------	100	0-6	27-35	1.30-1.40	0.2-0.6	0.14-0.16	3.0-5.9	1.5-2.5	.43	.43	3	4L	86
		6-25	40-60	1.50-1.60	0.0000-0.06	0.12-0.14	6.0-8.9	0.0-1.0	.32	.32			
		25-60	---	---	0.0000-0.06	---	---	---	---	---			
423D2:													
Bucknell----------	95	0-7	27-38	1.45-1.50	0.2-0.6	0.17-0.21	3.0-5.9	2.0-3.0	.37	.37	3	7	38
		7-52	38-50	1.55-1.65	0.06-0.2	0.13-0.17	6.0-8.9	0.0-0.5	.32	.32			
		52-60	30-40	1.60-1.70	0.06-0.2	0.14-0.18	6.0-8.9	0.0-0.5	.32	.32			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
424E2:													
Lindley----------	60	0-4	18-27	1.20-1.40	0.6-2	0.16-0.18	0.0-2.9	1.5-2.5	.32	.32	5	6	48
		4-39	25-35	1.40-1.60	0.2-0.6	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
		39-60	18-32	1.45-1.65	0.2-0.6	0.12-0.16	3.0-5.9	0.1-0.5	.32	.32			
Keswick----------	30	0-6	22-27	1.45-1.50	0.6-2	0.17-0.22	3.0-5.9	1.5-2.5	.37	.37	3	6	48
		6-28	35-60	1.55-1.60	0.06-0.2	0.11-0.15	6.0-8.9	0.0-0.5	.37	.37			
		28-60	30-40	1.60-1.75	0.2-0.6	0.12-0.16	3.0-5.9	0.0-0.5	.37	.37			
425C:													
Keswick----------	95	0-10	22-27	1.45-1.50	0.6-2	0.17-0.22	3.0-5.9	2.0-3.0	.32	.32	3	6	48
		10-32	35-60	1.55-1.60	0.06-0.2	0.11-0.15	6.0-8.9	0.0-0.5	.37	.37			
		32-60	30-40	1.60-1.75	0.2-0.6	0.12-0.16	3.0-5.9	0.0-0.5	.37	.37			
425D:													
Keswick----------	95	0-10	22-27	1.45-1.50	0.6-2	0.17-0.22	3.0-5.9	2.0-3.0	.32	.32	3	6	48
		10-32	35-60	1.55-1.60	0.06-0.2	0.11-0.15	6.0-8.9	0.0-0.5	.37	.37			
		32-60	30-40	1.60-1.75	0.2-0.6	0.12-0.16	3.0-5.9	0.0-0.5	.37	.37			
425D2:													
Keswick----------	100	0-10	22-27	1.45-1.50	0.6-2	0.17-0.22	3.0-5.9	1.5-2.5	.37	.37	3	6	48
		10-32	35-60	1.55-1.60	0.06-0.2	0.11-0.15	6.0-8.9	0.0-0.5	.37	.37			
		32-60	30-40	1.60-1.75	0.2-0.6	0.12-0.16	3.0-5.9	0.0-0.5	.37	.37			
428B:													
Ely----------	95	0-25	27-30	1.30-1.35	0.6-2	0.21-0.23	3.0-5.9	5.0-6.0	.28	.28	5	7	38
		25-47	28-35	1.30-1.40	0.6-2	0.18-0.20	3.0-5.9	1.0-3.0	.43	.43			
		47-60	20-30	1.40-1.45	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
452C:													
Lineville----------	100	0-11	22-27	1.45-1.50	0.6-2	0.16-0.20	3.0-5.9	2.5-3.5	.37	.37	3	6	48
		11-14	28-35	1.50-1.55	0.2-0.6	0.17-0.21	3.0-5.9	0.0-0.5	.37	.37			
		14-35	20-35	1.65-1.75	0.06-0.2	0.17-0.21	3.0-5.9	0.0-0.5	.37	.37			
		35-60	28-45	1.65-1.75	0.06-0.2	0.13-0.21	6.0-8.9	0.0-0.5	.37	.37			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
478G:													
Gosport----------	60	0-9	18-27	1.30-1.40	0.2-0.6	0.18-0.20	0.0-2.9	2.0-3.0	.43	.43	3	6	48
		9-30	36-60	1.50-1.60	0.0000-0.06	0.12-0.14	6.0-8.9	0.0-0.5	.32	.32			
		30-60	---	---	0.0000-0.06	---	---	---	---	---			
Rock Outcrop----------	30	---	---	---	---	---	---	---	---	---	-	---	---
484:													
Lawson----------	95	0-22	10-27	1.20-1.55	0.6-2	0.22-0.24	0.0-2.9	4.4-6.0	.28	.28	5	6	56
		22-35	10-30	1.20-1.55	0.6-2	0.18-0.22	0.0-2.9	3.0-7.0	.28	.28			
		35-60	18-30	1.50-1.70	0.6-2	0.11-0.15	3.0-5.9	0.1-1.0	.43	.43			
594C2:													
Galland----------	95	0-5	22-27	1.45-1.50	0.6-2	0.19-0.21	3.0-5.9	1.5-2.5	.37	.37	3	6	48
		5-43	35-48	1.50-1.65	0.06-0.2	0.14-0.19	6.0-8.9	0.0-0.5	.37	.37			
		43-60	10-45	1.55-1.75	0.6-6	0.11-0.13	0.0-2.9	0.0-0.5	.24	.24			
594D2:													
Galland----------	95	0-5	22-27	1.45-1.50	0.6-2	0.19-0.21	3.0-5.9	1.5-2.5	.37	.37	3	6	48
		5-43	35-48	1.50-1.65	0.06-0.2	0.14-0.19	6.0-8.9	0.0-0.5	.37	.37			
		43-60	10-45	1.55-1.75	0.6-6	0.11-0.13	0.0-2.9	0.0-0.5	.24	.24			
688:													
Koszta----------	95	0-14	18-24	1.30-1.40	0.6-2	0.20-0.24	3.0-5.9	3.0-4.0	.28	.28	5	6	48
		14-60	28-35	1.30-1.45	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.43	.43			
731C2:													
Pershing----------	90	0-6	27-38	1.30-1.40	0.2-0.6	0.22-0.24	3.0-5.9	2.0-3.0	.37	.37	3	7	38
		6-51	35-48	1.35-1.45	0.06-0.2	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
		51-60	24-40	1.35-1.50	0.2-0.6	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
731D2:													
Pershing----------	90	0-6	27-38	1.30-1.40	0.2-0.6	0.22-0.24	3.0-5.9	2.0-3.0	.37	.37	3	7	38
		6-51	35-48	1.35-1.45	0.06-0.2	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
		51-60	24-40	1.35-1.50	0.2-0.6	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			

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Monroe County, Iowa

Map symbol and soil name	Component percent	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
732C2:													
Weller----------	90	0-6	27-36	1.35-1.45	0.2-0.6	0.22-0.24	6.0-8.9	1.5-2.5	.37	.37	3	7	38
		6-26	28-48	1.35-1.50	0.06-0.2	0.12-0.18	6.0-8.9	0.0-0.5	.43	.43			
		26-60	25-40	1.40-1.55	0.2-0.6	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
732D2:													
Weller----------	90	0-6	27-36	1.35-1.45	0.2-0.6	0.22-0.24	6.0-8.9	1.5-2.5	.37	.37	3	7	38
		6-26	28-48	1.35-1.50	0.06-0.2	0.12-0.18	6.0-8.9	0.0-0.5	.43	.43			
		26-40	25-40	1.40-1.55	0.2-0.6	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
792C2:													
Armstrong----------	95	0-5	22-27	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	2.0-3.0	.32	.32	3	6	48
		5-25	36-60	1.55-1.60	0.06-0.2	0.11-0.16	6.0-8.9	0.0-1.0	.32	.32			
		25-60	30-36	1.55-1.70	0.2-0.6	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32			
792D2:													
Armstrong----------	95	0-5	22-27	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	2.0-3.0	.32	.32	3	6	48
		5-25	36-60	1.55-1.60	0.06-0.2	0.11-0.16	6.0-8.9	0.0-1.0	.32	.32			
		25-60	30-36	1.55-1.70	0.2-0.6	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32			
795D:													
Ashgrove----------	100	0-10	22-27	1.45-1.50	0.2-0.6	0.20-0.22	3.0-5.9	2.0-3.0	.43	.43	3	6	48
		10-60	40-60	1.50-1.65	0.0000-0.06	0.12-0.14	6.0-8.9	0.0-0.5	.32	.32			
822D2:													
Lamoni----------	100	0-14	27-40	1.45-1.50	0.2-0.6	0.17-0.21	3.0-5.9	2.2-3.2	.37	.37	3	6	38
		14-46	38-50	1.55-1.65	0.06-0.2	0.13-0.17	6.0-8.9	0.5-2.0	.37	.37			
		46-60	32-40	1.60-1.70	0.06-0.2	0.14-0.18	6.0-8.9	0.0-0.5	.37	.37			
832C2:													
Weller----------	90	0-6	27-36	1.35-1.45	0.2-0.6	0.22-0.24	6.0-8.9	1.5-2.5	.37	.37	3	7	38
		6-26	28-48	1.35-1.50	0.06-0.2	0.12-0.18	6.0-8.9	0.0-0.5	.43	.43			
		26-60	25-40	1.40-1.55	0.2-0.6	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			

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Monroe County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
876B:													
Ladoga----------	100	0-11	18-27	1.30-1.35	0.6-2	0.22-0.24	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		11-54	36-42	1.30-1.40	0.2-0.6	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		54-60	24-32	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
876C2:													
Ladoga----------	95	0-11	18-27	1.30-1.35	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		11-54	36-42	1.30-1.40	0.2-0.6	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		54-60	24-32	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
993D2:													
Gara----------	60	0-8	27-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	2.0-3.0	.32	.32	5	6	48
		8-54	25-38	1.55-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.32	.32			
		54-60	24-38	1.65-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			
Armstrong----------	30	0-5	22-27	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	2.0-3.0	.32	.32	3	6	48
		5-25	36-60	1.55-1.60	0.06-0.2	0.11-0.16	6.0-8.9	0.0-1.0	.32	.32			
		25-60	30-36	1.55-1.70	0.2-0.6	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32			
993E2:													
Gara----------	60	0-8	27-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	2.0-3.0	.32	.32	5	6	48
		8-54	25-38	1.55-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.32	.32			
		54-60	24-38	1.65-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			
Armstrong----------	30	0-5	22-27	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	2.0-3.0	.32	.32	3	6	48
		5-25	36-60	1.55-1.60	0.06-0.2	0.11-0.16	6.0-8.9	0.0-1.0	.32	.32			
		25-60	30-36	1.55-1.70	0.2-0.6	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32			
1130:													
Belinda----------	100	0-6	16-22	1.35-1.40	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.37	.37	3	6	48
		6-18	18-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	0.5-1.0	.43	.43			
		18-41	28-52	1.30-1.45	0.0000-0.06	0.12-0.14	6.0-8.9	0.5-1.0	.32	.32			
		41-70	28-40	1.40-1.50	0.0000-0.6	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
1131C:													
Pershing----------	100	0-9	20-27	1.30-1.40	0.6-2	0.22-0.24	0.0-2.9	2.5-3.5	.37	.37	3	6	48
		9-13	27-35	1.30-1.40	0.2-0.6	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
		13-37	35-48	1.35-1.45	0.06-0.2	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
		37-72	24-40	1.35-1.50	0.2-0.6	0.18-0.20	6.0-8.9	0.0-0.5	.43	.43			
1279:													
Taintor----------	100	0-12	24-27	1.25-1.30	0.6-2	0.19-0.21	0.0-2.9	5.0-6.0	.28	.28	5	6	48
		12-18	30-36	1.30-1.40	0.2-0.6	0.21-0.23	3.0-5.9	2.0-3.0	.32	.32			
		18-52	35-44	1.30-1.45	0.2-0.6	0.14-0.18	6.0-8.9	0.0-1.0	.43	.43			
		52-60	24-34	1.40-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
5020:													
Dumps----------	50	---	---	---	---	---	---	---	---	---	-	---	---
Pits----------	50	---	---	---	---	---	---	---	---	---	-	---	---
5021:													
Orthents----------	100	---	---	---	---	---	---	---	---	---	-	---	---
5030:													
Pits----------	100	---	---	---	---	---	---	---	---	---	-	---	---
5040:													
Orthents----------	100	---	---	---	---	---	---	---	---	---	-	---	---
W:													
Water----------	100	---	---	---	---	---	---	---	---	---	-	---	---