Physical Properties of the Soils

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Winneshiek 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					
Ab:													
Alluvial Land---------	90	---	---	---	---	---	---	---	---	---	5	2	86
Ar:													
Arenzville----------	95	0-8	10-18	1.20-1.55	0.6-2	0.20-0.24	0.0-2.9	1.5-2.5	.37	.37	5	5	56
		8-30	10-18	1.20-1.55	0.6-2	0.20-0.24	0.0-2.9	0.5-1.0	.37	.37			
		30-46	10-30	1.25-1.45	0.6-2	0.18-0.22	3.0-5.9	2.0-3.0	.37	.37			
		46-60	10-20	1.20-1.40	0.6-2	0.20-0.22	0.0-2.9	1.0-3.0	.37	.37			
AtB:													
Atkinson----------	100	0-13	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	3	6	48
		13-36	24-32	1.45-1.70	0.6-2	0.17-0.19	0.0-2.9	1.0-2.0	.32	.32			
		36-40	40-50	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-0.5	.32	.32			
		40-60	---	---	2-20	---	---	---	---	---			
AyA:													
Atterberry----------	95	0-8	20-26	1.35-1.55	0.6-2	0.22-0.25	0.0-2.9	3.0-4.0	.32	.32	5	6	48
		8-14	15-26	1.40-1.60	0.6-2	0.21-0.24	0.0-2.9	0.5-1.0	.32	.32			
		14-54	25-35	1.40-1.60	0.6-2	0.14-0.24	3.0-5.9	0.1-0.5	.43	.43			
		54-60	18-27	1.40-1.65	0.6-2	0.14-0.24	0.0-2.9	0.1-0.5	.43	.43			
BaB:													
Backbone----------	100	0-8	5-12	1.50-1.55	2-6	0.10-0.12	0.0-2.9	1.0-2.0	.17	.17	3	3	134
		8-24	12-18	1.55-1.65	2-6	0.11-0.13	0.0-2.9	0.5-1.0	.20	.20			
		24-27	32-42	1.60-1.70	0.2-0.6	0.14-0.16	6.0-8.9	0.0-0.5	.24	.24			
		27-60	---	---	2-20	---	---	---	---	---			
BaC:													
Backbone----------	100	0-8	5-12	1.50-1.55	2-6	0.10-0.12	0.0-2.9	1.0-2.0	.17	.17	3	3	134
		8-24	12-18	1.55-1.65	2-6	0.11-0.13	0.0-2.9	0.5-1.0	.20	.20			
		24-27	32-42	1.60-1.70	0.2-0.6	0.14-0.16	6.0-8.9	0.0-0.5	.24	.24			
		27-60	---	---	2-20	---	---	---	---	---			

Physical Properties of the Soils

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Winneshiek 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					
BaD:													
Backbone	100	0-8	5-12	1.50-1.55	2-6	0.10-0.12	0.0-2.9	1.0-2.0	.17	.17	3	3	134
		8-24	12-18	1.55-1.65	2-6	0.11-0.13	0.0-2.9	0.5-1.0	.20	.20			
		24-27	32-42	1.60-1.70	0.2-0.6	0.14-0.16	6.0-8.9	0.0-0.5	.24	.24			
		27-60	---	---	2-20	---	---	---	---	---			
BeA:													
Bassett	100	0-13	18-25	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	3.0-4.0	.28	.28	5	6	48
		13-44	20-28	1.55-1.65	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.28	.28			
		44-60	20-24	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
BeB:													
Bassett	100	0-13	18-25	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	2.5-3.5	.28	.28	5	6	48
		13-44	20-28	1.55-1.65	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.28	.28			
		44-60	20-24	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
BeC:													
Bassett	100	0-13	18-25	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	2.5-3.5	.28	.28	5	6	48
		13-44	20-28	1.55-1.65	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.28	.28			
		44-60	20-24	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
BeC2:													
Bassett	100	0-13	18-25	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	2.0-3.0	.28	.28	5	6	48
		13-44	20-28	1.55-1.65	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.28	.28			
		44-60	20-24	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
BlB:													
Bassett	100	0-17	18-25	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	2.5-3.5	.28	.28	5	6	48
		17-43	20-28	1.55-1.65	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.28	.28			
		43-60	20-24	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
BlC:													
Bassett	100	0-17	18-25	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	2.5-3.5	.28	.28	5	6	48
		17-43	20-28	1.55-1.65	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.28	.28			
		43-60	20-24	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			

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Winneshiek 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					
BnA:													
Bertrand	100	0-8	15-22	1.35-1.60	0.6-2	0.22-0.24	0.0-2.9	2.5-3.5	.37	.37	4	5	56
		8-14	18-30	1.55-1.65	0.6-2	0.18-0.22	3.0-5.9	0.5-1.0	.37	.37			
		14-48	10-20	1.55-1.65	0.6-6	0.09-0.22	0.0-2.9	0.0-0.5	.37	.37			
		48-60	1-4	1.55-1.65	6-20	0.05-0.09	0.0-2.9	0.0-0.5	.15	.15			
BnB:													
Bertrand	100	0-8	15-22	1.35-1.60	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.37	.37	4	5	56
		8-14	18-30	1.55-1.65	0.6-2	0.18-0.22	3.0-5.9	0.5-1.0	.37	.37			
		14-48	10-20	1.55-1.65	0.6-6	0.09-0.22	0.0-2.9	0.0-0.5	.37	.37			
		48-60	1-4	1.55-1.65	6-20	0.05-0.09	0.0-2.9	0.0-0.5	.15	.15			
BoA:													
Bixby	100	0-12	18-27	1.30-1.50	0.6-2	0.16-0.19	0.0-2.9	2.5-3.5	.32	.32	4	6	48
		12-28	18-30	1.40-1.55	0.6-2	0.14-0.18	0.0-2.9	0.2-0.8	.32	.32			
		28-60	1-5	1.55-1.65	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
BoB:													
Bixby	100	0-12	18-27	1.30-1.50	0.6-2	0.16-0.19	0.0-2.9	2.0-3.0	.32	.32	4	6	48
		12-28	18-30	1.40-1.55	0.6-2	0.14-0.18	0.0-2.9	0.2-0.8	.32	.32			
		28-60	1-5	1.55-1.65	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
BoC2:													
Bixby	100	0-12	18-27	1.30-1.50	0.6-2	0.16-0.19	0.0-2.9	1.5-2.5	.32	.32	4	6	48
		12-28	18-30	1.40-1.55	0.6-2	0.14-0.18	0.0-2.9	0.2-0.8	.32	.32			
		28-60	1-5	1.55-1.65	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
BuB:													
Burkhardt	100	0-7	5-13	1.35-1.55	2-6	0.11-0.15	0.0-2.9	1.5-2.5	.20	.20	2	3	86
		7-17	8-18	1.55-1.65	2-6	0.10-0.19	0.0-2.9	0.5-1.0	.24	.24			
		17-60	1-6	1.50-1.80	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	---			
BuC2:													
Burkhardt	100	0-7	5-13	1.35-1.55	2-6	0.11-0.15	0.0-2.9	1.0-2.0	.20	.20	2	3	86
		7-17	8-18	1.55-1.65	2-6	0.10-0.19	0.0-2.9	0.5-1.0	.24	.24			
		17-60	1-6	1.50-1.80	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	---			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
CaA:													
Calamine----------	100	0-16	27-35	1.30-1.40	0.6-2	0.18-0.23	3.0-5.9	5.0-6.0	.28	.28	4	7	38
		16-28	22-45	1.50-1.60	0.0000-0.6	0.18-0.22	3.0-5.9	0.2-1.2	.43	.43			
		28-31	35-50	1.55-1.65	0.0000-0.06	0.09-0.20	3.0-5.9	0.0-0.5	.32	.32			
		31-60	---	---	0.06-0.2	---	---	---	---	---			
CaB:													
Calamine----------	100	0-16	27-35	1.30-1.40	0.6-2	0.18-0.23	3.0-5.9	3.5-4.5	.28	.28	4	7	38
		16-28	22-45	1.50-1.60	0.0000-0.6	0.18-0.22	3.0-5.9	0.2-1.2	.43	.43			
		28-31	35-50	1.55-1.65	0.0000-0.06	0.09-0.20	3.0-5.9	0.0-0.5	.32	.32			
		31-60	---	---	0.06-0.2	---	---	---	---	---			
CcB:													
Calmar----------	100	0-21	28-35	1.45-1.50	0.2-0.6	0.17-0.19	3.0-5.9	4.0-5.0	.32	.32	3	6	48
		21-28	30-35	1.50-1.65	0.2-0.6	0.15-0.17	3.0-5.9	1.0-2.0	.32	.32			
		28-33	40-60	1.50-1.65	0.2-0.6	0.10-0.12	6.0-8.9	0.0-0.5	.32	.32			
		33-60	---	---	2-20	---	---	---	---	---			
CcC:													
Calmar----------	100	0-21	28-35	1.45-1.50	0.2-0.6	0.17-0.19	3.0-5.9	4.0-5.0	.32	.32	3	6	48
		21-28	30-35	1.50-1.65	0.2-0.6	0.15-0.17	3.0-5.9	1.0-2.0	.32	.32			
		28-33	40-60	1.50-1.65	0.2-0.6	0.10-0.12	6.0-8.9	0.0-0.5	.32	.32			
		33-60	---	---	2-20	---	---	---	---	---			
CdA:													
Camden----------	100	0-8	14-27	1.35-1.55	0.6-2	0.21-0.25	0.0-2.9	2.5-3.5	.37	.37	5	6	48
		8-12	22-35	1.40-1.60	0.6-2	0.14-0.24	3.0-5.9	0.1-0.5	.37	.37			
		12-39	18-30	1.45-1.65	0.6-2	0.11-0.22	0.0-2.9	0.0-0.5	.32	---			
		39-60	5-20	1.40-1.70	0.6-6	0.12-0.22	0.0-2.9	0.0-0.5	.32	---			
CdB:													
Camden----------	100	0-8	14-27	1.35-1.55	0.6-2	0.21-0.25	0.0-2.9	2.0-3.0	.37	.37	5	6	48
		8-12	22-35	1.40-1.60	0.6-2	0.14-0.24	3.0-5.9	0.1-0.5	.37	.37			
		12-39	18-30	1.45-1.65	0.6-2	0.11-0.22	0.0-2.9	0.0-0.5	.32	---			
		39-60	5-20	1.40-1.70	0.6-6	0.12-0.22	0.0-2.9	0.0-0.5	.32	---			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
CdC:													
Camden----------	100	0-8	14-27	1.35-1.55	0.6-2	0.21-0.25	0.0-2.9	2.0-3.0	.37	.37	5	6	48
		8-12	22-35	1.40-1.60	0.6-2	0.14-0.24	3.0-5.9	0.1-0.5	.37	.37			
		12-39	18-30	1.45-1.65	0.6-2	0.11-0.22	0.0-2.9	0.0-0.5	.32	---			
		39-60	5-20	1.40-1.70	0.6-6	0.12-0.22	0.0-2.9	0.0-0.5	.32	---			
Ce:													
Caneek----------	95	0-8	18-24	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.7-1.7	.37	.37	5	4L	86
		8-32	18-24	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.7-1.7	.37	.37			
		32-60	18-28	1.25-1.40	0.6-2	0.22-0.24	3.0-5.9	0.0-0.5	.37	.37			
Cf:													
Canoe----------	95	0-8	18-24	1.30-1.35	0.6-2	0.22-0.24	0.0-2.9	2.5-3.5	.28	.28	5	6	48
		8-23	20-27	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.43	.43			
		23-60	18-30	1.40-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
ChA:													
Chaseburg----------	95	0-7	12-16	1.35-1.55	0.6-2	0.22-0.24	0.0-2.9	1.0-2.0	.37	.37	5	5	56
		7-60	10-18	1.55-1.65	0.6-2	0.18-0.22	0.0-2.9	0.0-0.5	.37	.37			
ChB:													
Chaseburg----------	95	0-7	12-16	1.35-1.55	0.6-2	0.22-0.24	0.0-2.9	0.5-1.5	.37	.37	5	5	56
		7-60	10-18	1.55-1.65	0.6-2	0.18-0.22	0.0-2.9	0.0-0.5	.37	.37			
ClB:													
Chelsea----------	100	0-10	8-15	1.50-1.55	6-20	0.10-0.15	0.0-2.9	0.5-1.5	.17	.17	5	2	134
		10-60	5-10	1.55-1.70	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			
ClD:													
Chelsea----------	100	0-10	8-15	1.50-1.55	6-20	0.10-0.15	0.0-2.9	0.5-1.5	.17	.17	5	2	134
		10-60	5-10	1.55-1.70	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			
CmB:													
Clyde----------	100	0-22	24-27	1.35-1.40	0.6-2	0.21-0.23	3.0-5.9	6.0-9.0	.28	.28	5	7	48
		22-33	22-28	1.45-1.65	0.6-2	0.18-0.20	3.0-5.9	2.0-3.0	.37	.37			
		33-56	22-28	1.45-1.65	0.6-2	0.18-0.20	3.0-5.9	2.0-3.0	.37	.37			
		56-60	20-24	1.65-1.75	0.6-2	0.17-0.19	3.0-5.9	0.0-0.5	.37	.37			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
CoB:													
Coggon	100	0-10	18-24	1.45-1.50	0.6-2	0.18-0.20	0.0-2.9	2.0-3.0	.28	.28	5	6	48
		10-40	22-28	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.32	.32			
		40-60	18-24	1.70-1.80	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.32	.32			
CoC2:													
Coggon	100	0-10	18-24	1.45-1.50	0.6-2	0.18-0.20	0.0-2.9	1.5-2.5	.32	.32	5	6	48
		10-40	22-28	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.32	.32			
		40-60	18-24	1.70-1.80	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.32	.32			
Cs:													
Colo	50	0-14	20-26	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	5.0-7.0	.28	.28	5	6	48
		14-34	30-35	1.25-1.35	0.6-2	0.18-0.20	3.0-5.9	3.0-4.0	.28	.28			
		34-60	25-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32			
Otter	50	0-37	18-27	1.10-1.25	0.6-2	0.22-0.24	0.0-2.9	6.0-7.0	.28	.28	5	6	48
		37-47	18-27	1.20-1.45	0.6-2	0.17-0.22	3.0-5.9	1.0-3.0	.43	.43			
		47-60	15-28	1.30-1.55	0.6-2	0.15-0.20	0.0-2.9	0.5-2.0	.43	.43			
Ct:													
Colo	30	0-14	24-36	1.28-1.32	0.6-2	0.21-0.23	3.0-5.9	5.0-7.0	.28	.28	5	7	38
		14-34	30-35	1.25-1.35	0.6-2	0.18-0.20	3.0-5.9	3.0-4.0	.28	.28			
		34-60	25-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32			
Otter	30	0-25	18-27	1.10-1.25	0.6-2	0.22-0.24	0.0-2.9	6.0-7.0	.28	.28	5	7	48
		25-37	18-27	1.20-1.45	0.6-2	0.17-0.22	3.0-5.9	1.0-3.0	.43	.43			
		37-60	15-28	1.30-1.55	0.6-2	0.15-0.20	0.0-2.9	0.5-2.0	.43	.43			
Ossian	20	0-15	22-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	5.0-7.0	.28	.28	5	7	48
		15-60	20-30	1.30-1.40	0.6-2	0.20-0.22	3.0-5.9	1.0-4.0	.28	.28			
DcA:													
Dickinson	100	0-7	10-18	1.50-1.55	2-6	0.12-0.15	0.0-2.9	2.0-3.0	.20	.20	4	3	86
		7-20	10-15	1.45-1.55	2-6	0.12-0.15	0.0-2.9	0.5-1.0	.17	.17			
		20-28	4-10	1.55-1.65	6-20	0.08-0.10	0.0-2.9	0.0-0.5	.20	.20			
		28-60	4-10	1.60-1.70	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			

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Winneshiek 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					
DcB:													
Dickinson----------	100	0-7	10-18	1.50-1.55	2-6	0.12-0.15	0.0-2.9	1.5-2.5	.20	.20	4	3	86
		7-20	10-15	1.45-1.55	2-6	0.12-0.15	0.0-2.9	0.5-1.0	.17	.17			
		20-28	4-10	1.55-1.65	6-20	0.08-0.10	0.0-2.9	0.0-0.5	.20	.20			
		28-60	4-10	1.60-1.70	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			
DcC:													
Dickinson----------	100	0-7	10-18	1.50-1.55	2-6	0.12-0.15	0.0-2.9	1.5-2.5	.20	.20	4	3	86
		7-20	10-15	1.45-1.55	2-6	0.12-0.15	0.0-2.9	0.5-1.0	.17	.17			
		20-28	4-10	1.55-1.65	6-20	0.08-0.10	0.0-2.9	0.0-0.5	.20	.20			
		28-60	4-10	1.60-1.70	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			
DcD:													
Dickinson----------	100	0-7	10-18	1.50-1.55	2-6	0.12-0.15	0.0-2.9	1.5-2.5	.20	.20	4	3	86
		7-20	10-15	1.45-1.55	2-6	0.12-0.15	0.0-2.9	0.5-1.0	.17	.17			
		20-28	4-10	1.55-1.65	6-20	0.08-0.10	0.0-2.9	0.0-0.5	.20	.20			
		28-60	4-10	1.60-1.70	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			
DdB:													
Donnan----------	95	0-8	20-26	1.45-1.50	0.6-2	0.20-0.22	0.0-2.9	2.5-3.5	.28	.28	4	6	48
		8-23	20-30	1.45-1.55	0.6-2	0.17-0.19	3.0-5.9	0.0-1.0	.28	.28			
		23-52	42-55	1.55-1.60	0.0000-0.06	0.11-0.14	6.0-8.9	0.0-0.5	.28	.28			
		52-60	24-32	1.60-1.70	0.2-0.6	0.17-0.19	3.0-5.9	0.0-0.5	.28	.28			
De:													
Dorchester----------	95	0-8	11-30	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.5-1.5	.37	.37	5	4L	86
		8-36	11-30	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.5-1.5	.37	.37			
		36-60	18-30	1.25-1.40	0.6-2	0.22-0.24	3.0-5.9	1.0-4.0	.37	.37			
DgB:													
Dorchester----------	60	0-8	11-30	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.5-1.5	.37	.37	5	5	86
		8-36	11-30	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.5-1.5	.37	.37			
		36-60	18-30	1.25-1.40	0.6-2	0.22-0.24	3.0-5.9	1.0-4.0	.37	.37			
Chaseburg----------	20	0-7	12-16	1.35-1.55	0.6-2	0.22-0.24	0.0-2.9	1.0-2.0	.37	.37	5	5	56
		7-60	10-18	1.55-1.65	0.6-2	0.18-0.22	0.0-2.9	0.0-0.5	.37	.37			

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Winneshiek 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					
Volney----------	15	0-30	18-24	1.40-1.55	2-6	0.13-0.16	0.0-2.9	1.0-2.0	.24	.43	4	5	0
		30-60	12-25	1.70-1.90	20-20	0.02-0.08	0.0-2.9	0.0-1.0	.24	.43			
DhE3:													
Dow----------	100	0-6	18-25	1.20-1.45	0.6-2	0.22-0.24	0.0-2.9	0.7-1.7	.43	.43	4	4L	86
		6-60	18-25	1.30-1.45	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
DoA:													
Downs----------	100	0-10	18-26	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	3.0-4.0	.32	.32	5	6	48
		10-30	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		30-60	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
DoB:													
Downs----------	100	0-10	18-26	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		10-30	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		30-60	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
DoC:													
Downs----------	100	0-10	18-26	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		10-30	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		30-60	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
DoD:													
Downs----------	100	0-10	18-26	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		10-30	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		30-60	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
DoE2:													
Downs----------	100	0-10	18-26	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		10-30	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		30-60	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
DoF2:													
Downs----------	100	0-10	18-26	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		10-30	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		30-60	22-26	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					
DtB:													
Downs	50	0-10	18-26	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		10-30	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		30-60	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
Tama	50	0-15	24-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	2.5-3.5	.28	.28	5	6	48
		15-47	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		47-60	22-28	1.35-1.40	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
DtC:													
Downs	50	0-10	18-26	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		10-30	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		30-60	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
Tama	50	0-15	24-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	2.5-3.5	.28	.28	5	6	48
		15-47	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		47-60	22-28	1.35-1.40	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
DtC2:													
Downs	50	0-10	18-26	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		10-30	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		30-60	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
Tama	50	0-7	24-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	2.5-3.5	.32	.32	5	6	48
		7-45	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		45-60	22-28	1.35-1.40	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
DtD2:													
Downs	50	0-10	18-26	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		10-30	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		30-60	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
Tama	50	0-7	24-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	2.5-3.5	.32	.32	5	6	48
		7-45	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		45-60	22-28	1.35-1.40	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					
DuC2:													
Dubuque----------	100	0-6	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	1.5-2.5	.37	.37	3	6	48
		6-25	26-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.37	.37			
		25-27	40-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-0.5	.37	.37			
		27-60	---	---	2-20	---	---	---	---	---			
DuD2:													
Dubuque----------	100	0-6	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	1.5-2.5	.37	.37	3	6	48
		6-25	26-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.37	.37			
		25-27	40-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-0.5	.37	.37			
		27-60	---	---	2-20	---	---	---	---	---			
DuD3:													
Dubuque----------	100	0-6	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	0.4-2.0	.37	.37	2	6	48
		6-25	26-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.37	.37			
		25-27	40-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-0.5	.37	.37			
		27-60	---	---	2-20	---	---	---	---	---			
DuE2:													
Dubuque----------	100	0-6	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	1.5-2.5	.37	.37	3	6	48
		6-25	26-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.37	.37			
		25-27	40-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-0.5	.37	.37			
		27-60	---	---	2-20	---	---	---	---	---			
DuE3:													
Dubuque----------	100	0-6	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	0.4-2.0	.37	.37	3	6	48
		6-25	26-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.37	.37			
		25-27	40-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-0.5	.37	.37			
		27-60	---	---	2-20	---	---	---	---	---			
DuF2:													
Dubuque----------	100	0-6	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	1.5-2.5	.37	.37	3	6	48
		6-25	26-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.37	.37			
		25-27	40-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-0.5	.37	.37			
		27-60	---	---	2-20	---	---	---	---	---			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
FaA:													
Fayette	100	0-16	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		16-39	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		39-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
FaB:													
Fayette	100	0-16	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		16-39	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		39-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
FaC2:													
Fayette	100	0-8	25-27	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.5-2.5	.37	.37	5	6	48
		8-39	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		39-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
FaC3:													
Fayette	100	0-8	25-27	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.4-2.0	.43	.43	4	7	48
		8-39	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		39-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
FaD2:													
Fayette	100	0-8	25-27	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.5-2.5	.37	.37	5	6	48
		8-39	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		39-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
FaD3:													
Fayette	100	0-8	25-27	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.4-2.0	.43	.43	4	7	48
		8-39	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		39-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
FaE2:													
Fayette	100	0-8	25-27	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.5-2.5	.37	.37	5	6	48
		8-39	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		39-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			

Physical Properties of the Soils

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Winneshiek 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					
FaE3:													
Fayette	100	0-8	25-27	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.4-2.0	.43	.43	4	7	48
		8-39	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		39-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
FaF2:													
Fayette	100	0-8	25-27	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.5-2.5	.37	.37	5	6	48
		8-39	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		39-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
FaF3:													
Fayette	100	0-8	25-27	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.4-2.0	.43	.43	4	7	48
		8-39	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		39-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
FaG:													
Fayette	100	0-16	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		16-39	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		39-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
FeA:													
Festina	100	0-12	18-24	1.30-1.35	0.6-2	0.22-0.24	0.0-2.9	3.0-4.0	.28	.28	5	6	48
		12-47	24-29	1.35-1.40	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
		47-68	22-26	1.40-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
		68-75	5-18	1.45-1.55	2-6	0.10-0.18	0.0-2.9	0.0-0.5	.43	.43			
FeB:													
Festina	100	0-12	18-24	1.30-1.35	0.6-2	0.22-0.24	0.0-2.9	3.0-4.0	.28	.28	5	6	48
		12-47	24-29	1.35-1.40	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
		47-68	22-26	1.40-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
		68-75	5-18	1.45-1.55	2-6	0.10-0.18	0.0-2.9	0.0-0.5	.43	.43			
FlB:													
Floyd	95	0-15	20-26	1.35-1.40	0.6-2	0.20-0.22	3.0-5.9	5.0-6.0	.24	.24	5	6	48
		15-39	18-24	1.40-1.60	0.6-2	0.16-0.18	0.0-2.9	1.0-2.0	.32	.32			
		39-42	6-12	1.40-1.65	2-6	0.11-0.13	0.0-2.9	0.0-1.0	.32	.32			
		42-60	18-30	1.65-1.80	0.6-2	0.16-0.18	0.0-2.9	0.0-0.5	.32	.32			

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Winneshiek 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					
FmB:													
Floyd----------	50	0-15	20-26	1.35-1.40	0.6-2	0.20-0.22	3.0-5.9	5.0-6.0	.24	.24	5	6	48
		15-39	18-24	1.40-1.60	0.6-2	0.16-0.18	0.0-2.9	1.0-2.0	.32	.32			
		39-42	6-12	1.40-1.65	2-6	0.11-0.13	0.0-2.9	0.0-1.0	.32	.32			
		42-60	18-30	1.65-1.80	0.6-2	0.16-0.18	0.0-2.9	0.0-0.5	.32	.32			
Clyde----------	30	0-22	24-27	1.35-1.40	0.6-2	0.21-0.23	3.0-5.9	6.0-9.0	.28	.28	5	6	48
		22-33	22-28	1.45-1.65	0.6-2	0.18-0.20	3.0-5.9	2.0-3.0	.37	.37			
		33-56	10-22	1.60-1.70	2-6	0.11-0.13	0.0-2.9	0.0-1.0	.37	.37			
		56-60	20-24	1.65-1.75	0.6-2	0.17-0.19	3.0-5.9	0.0-0.5	.37	.37			
FnB:													
Franklin Variant------	95	0-14	18-22	1.40-1.45	0.6-2	0.19-0.21	3.0-5.9	2.5-3.5	.28	.28	5	6	48
		14-26	15-30	1.45-1.65	0.6-2	0.12-0.16	0.0-2.9	0.5-1.0	.32	.32			
		26-60	20-30	1.65-1.80	0.6-2	0.16-0.18	0.0-2.9	0.0-0.5	.32	.32			
FrC:													
Frankville----------	100	0-6	18-25	1.30-1.35	0.6-2	0.21-0.23	3.0-5.9	2.5-3.5	.32	.32	3	6	48
		6-23	23-32	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		23-28	40-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-0.5	.32	.32			
		28-60	---	---	2-20	---	---	---	---	---			
FrD2:													
Frankville----------	100	0-6	18-25	1.30-1.35	0.6-2	0.21-0.23	3.0-5.9	2.0-3.0	.37	.37	3	6	48
		6-23	23-32	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		23-28	40-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-0.5	.32	.32			
		28-60	---	---	2-20	---	---	---	---	---			
FrE2:													
Frankville----------	100	0-6	18-25	1.30-1.35	0.6-2	0.21-0.23	3.0-5.9	2.0-3.0	.37	.37	3	6	48
		6-23	23-32	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		23-28	40-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-0.5	.32	.32			
		28-60	---	---	2-20	---	---	---	---	---			

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Winneshiek County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
HaA:													
Hagener----------	100	0-18	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
		18-40	1-8	1.40-1.60	6-20	0.05-0.11	0.0-2.9	0.1-1.0	.15	.15			
		40-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.15	.15			
HaB:													
Hagener----------	100	0-18	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
		18-40	1-8	1.40-1.60	6-20	0.05-0.11	0.0-2.9	0.1-1.0	.15	.15			
		40-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.15	.15			
HaD:													
Hagener----------	100	0-18	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
		18-40	1-8	1.40-1.60	6-20	0.05-0.11	0.0-2.9	0.1-1.0	.15	.15			
		40-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.15	.15			
HdA:													
Hayfield----------	95	0-11	18-27	1.30-1.50	0.6-2	0.20-0.24	0.0-2.9	3.0-4.0	.32	.32	4	6	48
		11-29	18-30	1.40-1.55	0.6-2	0.17-0.22	0.0-2.9	0.5-1.0	.32	.32			
		29-60	0-5	1.55-1.65	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			
HmA:													
Hayfield----------	95	0-11	18-27	1.30-1.50	0.6-2	0.20-0.24	0.0-2.9	3.0-4.0	.32	.32	4	6	48
		11-29	18-30	1.40-1.55	0.6-2	0.17-0.22	0.0-2.9	0.5-1.0	.32	.32			
		29-60	0-5	1.55-1.65	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			
HuA:													
Huntsville----------	95	0-31	18-27	1.15-1.35	0.6-2	0.22-0.24	3.0-5.9	3.0-4.0	.28	.28	5	6	48
		31-52	18-27	1.20-1.40	0.6-2	0.20-0.22	3.0-5.9	0.2-0.5	.28	.28			
		52-60	10-25	1.20-1.50	0.6-2	0.17-0.21	0.0-2.9	0.2-1.0	.28	.28			
HuB:													
Huntsville----------	95	0-31	18-27	1.15-1.35	0.6-2	0.22-0.24	3.0-5.9	3.0-4.0	.28	.28	5	6	48
		31-52	18-27	1.20-1.40	0.6-2	0.20-0.22	3.0-5.9	0.2-0.5	.28	.28			
		52-60	10-25	1.20-1.50	0.6-2	0.17-0.21	0.0-2.9	0.2-1.0	.28	.28			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
JaA:													
Jacwin----------	95	0-19	22-27	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	5.0-6.0	.28	.28	4	6	48
		19-27	20-32	1.50-1.60	0.6-2	0.17-0.19	0.0-2.9	1.0-2.0	.28	.28			
		27-36	45-60	1.50-1.60	0.0000-0.06	0.12-0.14	3.0-5.9	0.0-1.0	.28	.28			
		36-60	---	---	0.0000-0.06	---	---	---	---	---			
JaB:													
Jacwin----------	95	0-19	22-27	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	4.5-5.5	.28	.28	4	6	48
		19-27	20-32	1.50-1.60	0.6-2	0.17-0.19	0.0-2.9	1.0-2.0	.28	.28			
		27-36	45-60	1.50-1.60	0.0000-0.06	0.12-0.14	3.0-5.9	0.0-1.0	.28	.28			
		36-60	---	---	0.0000-0.06	---	---	---	---	---			
JaC:													
Jacwin----------	95	0-19	22-27	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	4.0-5.0	.28	.28	4	6	48
		19-27	20-32	1.50-1.60	0.6-2	0.17-0.19	0.0-2.9	1.0-2.0	.28	.28			
		27-36	45-60	1.50-1.60	0.0000-0.06	0.12-0.14	3.0-5.9	0.0-1.0	.28	.28			
		36-60	---	---	0.0000-0.06	---	---	---	---	---			
JaD:													
Jacwin----------	95	0-19	22-27	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	3.5-4.5	.28	.28	4	6	48
		19-27	20-32	1.50-1.60	0.6-2	0.17-0.19	0.0-2.9	1.0-2.0	.28	.28			
		27-36	45-60	1.50-1.60	0.0000-0.06	0.12-0.14	3.0-5.9	0.0-1.0	.28	.28			
		36-60	---	---	0.0000-0.06	---	---	---	---	---			
KaA:													
Kato----------	95	0-15	18-27	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	4.0-5.0	.24	.24	4	6	48
		15-27	20-28	1.45-1.60	0.6-2	0.16-0.18	0.0-2.9	1.0-2.0	.28	.28			
		27-60	2-8	1.60-1.75	20-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.20			
KdA:													
Kato----------	95	0-27	18-27	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	4.0-5.0	.24	.24	4	6	48
		27-36	20-28	1.45-1.60	0.6-2	0.16-0.18	0.0-2.9	1.0-2.0	.28	.28			
		36-60	2-8	1.60-1.75	20-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.20			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
KsB:													
Kato	95	0-19	18-27	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.5-4.5	.28	.28	4	6	48
		19-30	16-28	1.45-1.60	0.6-2	0.16-0.18	0.0-2.9	1.0-3.0	.28	.28			
		30-44	2-8	1.60-1.75	20-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
		44-60	---	---	0.0000-0.06	0.00-0.00	---	---	---	---			
KsC:													
Kato	95	0-19	18-27	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.5-4.5	.28	.28	4	6	48
		19-30	16-28	1.45-1.60	0.6-2	0.16-0.18	0.0-2.9	1.0-3.0	.28	.28			
		30-44	2-8	1.60-1.75	20-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
		44-60	---	---	0.0000-0.06	0.00-0.00	---	---	---	---			
KyB:													
Kenyon	100	0-12	18-26	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	5	6	48
		12-55	20-30	1.45-1.65	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.28	.28			
		55-60	20-24	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
LaB:													
Lamont	100	0-7	10-15	1.50-1.55	2-6	0.16-0.18	0.0-2.9	0.5-1.5	.24	.24	4	3	86
		7-21	5-15	1.50-1.55	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		21-47	10-22	1.45-1.65	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		47-60	2-10	1.65-1.75	6-20	0.09-0.11	0.0-2.9	0.0-0.5	.17	.17			
LaC:													
Lamont	100	0-7	10-15	1.50-1.55	2-6	0.16-0.18	0.0-2.9	0.5-1.5	.24	.24	4	3	86
		7-21	5-15	1.50-1.55	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		21-47	10-22	1.45-1.65	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		47-60	2-10	1.65-1.75	6-20	0.09-0.11	0.0-2.9	0.0-0.5	.17	.17			
LaD:													
Lamont	100	0-7	10-15	1.50-1.55	2-6	0.16-0.18	0.0-2.9	0.5-1.5	.24	.24	4	3	86
		7-21	5-15	1.50-1.55	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		21-47	10-22	1.45-1.65	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		47-60	2-10	1.65-1.75	6-20	0.09-0.11	0.0-2.9	0.0-0.5	.17	.17			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
LdB:													
Lamont Variant--------	100	0-7	10-15	1.45-1.50	2-6	0.13-0.15	0.0-2.9	1.0-2.0	.24	.24	5	3	86
		7-12	10-15	1.45-1.50	2-6	0.13-0.15	0.0-2.9	0.0-0.5	.24	.24			
		12-25	14-22	1.50-1.70	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.32	.32			
		25-60	20-28	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.32	.32			
LkA:													
Kennebec----------	45	0-40	22-27	1.25-1.35	0.6-2	0.22-0.24	3.0-5.9	5.0-6.0	.28	.28	5	6	48
		40-60	24-28	1.35-1.40	0.6-2	0.20-0.22	3.0-5.9	1.0-2.0	.43	.43			
Lawson----------	45	0-7	10-27	1.20-1.55	0.6-2	0.22-0.24	0.0-2.9	3.4-4.0	.28	.28	5	6	56
		7-29	10-30	1.20-1.55	0.6-2	0.18-0.22	0.0-2.9	3.0-7.0	.28	.28			
		29-60	18-30	1.50-1.70	0.6-2	0.11-0.15	3.0-5.9	0.1-1.0	.43	.43			
LmB:													
Lawson----------	95	0-7	10-27	1.20-1.55	0.6-2	0.22-0.24	0.0-2.9	3.0-4.0	.28	.28	5	6	56
		7-29	10-30	1.20-1.55	0.6-2	0.18-0.22	0.0-2.9	3.0-7.0	.28	.28			
		29-60	18-30	1.50-1.70	0.6-2	0.11-0.15	3.0-5.9	0.1-1.0	.43	.43			
LnE:													
Loamy Colluvial Land--	100	---	---	---	---	---	---	---	---	---	-	---	---
LnF:													
Loamy Colluvial Land--	100	---	---	---	---	---	---	---	---	---	-	---	---
LoF:													
Loamy Terrace Escarp--	100	---	---	---	---	---	---	---	---	---	-	---	---
MaB:													
Marlean----------	100	0-9	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	3	6	48
		9-12	18-30	1.40-1.55	0.6-2	0.18-0.22	3.0-5.9	0.0-1.0	.24	.24			
		12-60	12-28	1.60-1.70	6-20	0.08-0.15	0.0-2.9	0.0-0.5	.24	.24			
MaC:													
Marlean----------	100	0-9	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	3	6	48
		9-12	18-30	1.40-1.55	0.6-2	0.18-0.22	3.0-5.9	0.0-1.0	.24	.24			
		12-60	12-28	1.60-1.70	6-20	0.08-0.15	0.0-2.9	0.0-0.5	.24	.24			

Physical Properties of the Soils

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Winneshiek 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					
MaC2:													
Marlean----------	100	0-9	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	2.2-3.2	.24	.24	3	6	48
		9-12	18-30	1.40-1.55	0.6-2	0.18-0.22	3.0-5.9	0.0-0.5	.24	.24			
		12-60	12-28	1.60-1.70	6-20	0.08-0.15	0.0-2.9	0.0-0.5	.24	.24			
MaD2:													
Marlean----------	100	0-9	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	2.2-3.2	.24	.24	3	6	48
		9-12	18-30	1.40-1.55	0.6-2	0.18-0.22	3.0-5.9	0.0-0.5	.24	.24			
		12-60	12-28	1.60-1.70	6-20	0.08-0.15	0.0-2.9	0.0-0.5	.24	.24			
MaD3:													
Marlean----------	100	0-9	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	1.2-2.2	.24	.24	2	6	48
		9-12	18-30	1.40-1.55	0.6-2	0.18-0.22	3.0-5.9	0.0-0.5	.24	.24			
		12-60	12-28	1.60-1.70	6-20	0.08-0.15	0.0-2.9	0.0-0.5	.24	.43			
MaE2:													
Marlean----------	100	0-9	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	2.2-3.2	.24	.24	3	6	48
		9-12	18-30	1.40-1.55	0.6-2	0.18-0.22	3.0-5.9	0.0-0.5	.24	.24			
		12-60	12-28	1.60-1.70	6-20	0.08-0.15	0.0-2.9	0.0-0.5	.24	.24			
MaE3:													
Marlean----------	100	0-9	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	1.2-2.2	.24	.24	2	6	48
		9-12	18-30	1.40-1.55	0.6-2	0.18-0.22	3.0-5.9	0.0-0.5	.24	.24			
		12-60	12-28	1.60-1.70	6-20	0.08-0.15	0.0-2.9	0.0-0.5	.24	.43			
NaC2:													
Nasset----------	100	0-15	18-24	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	2.0-3.0	.32	.32	3	6	48
		15-37	24-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		37-42	40-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-0.5	.32	.32			
		42-60	---	---	2-20	---	---	---	---	---			
NaD2:													
Nasset----------	100	0-15	18-24	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	2.0-3.0	.32	.32	3	6	48
		15-37	24-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		37-42	40-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-0.5	.32	.32			
		42-60	---	---	2-20	---	---	---	---	---			

Physical Properties of the Soils

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Winneshiek 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					
NaE2:													
Nasset	100	0-15	18-24	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	2.0-3.0	.32	.32	3	6	48
		15-37	24-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		37-42	40-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-0.5	.32	.32			
		42-60	---	---	2-20	---	---	---	---	---			
NoD:													
Nordness	100	0-5	18-24	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	1	6	48
		5-9	22-29	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.5-1.0	.32	.32			
		9-12	22-35	1.35-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-0.5	.37	.37			
		12-60	---	---	2-20	---	---	---	---	---			
NoE:													
Nordness	100	0-5	18-24	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	1	6	48
		5-9	22-29	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.5-1.0	.32	.32			
		9-12	22-35	1.35-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-0.5	.37	.37			
		12-60	---	---	2-20	---	---	---	---	---			
OrA:													
Oran	95	0-14	16-24	1.40-1.45	0.6-2	0.18-0.20	0.0-2.9	3.0-4.0	.24	.24	5	6	48
		14-42	22-28	1.45-1.70	0.6-2	0.17-0.19	0.0-2.9	1.0-2.0	.32	.32			
		42-60	20-26	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
OrB:													
Oran	95	0-14	16-24	1.40-1.45	0.6-2	0.18-0.20	0.0-2.9	2.5-3.5	.24	.24	5	6	48
		14-42	22-28	1.45-1.70	0.6-2	0.17-0.19	0.0-2.9	1.0-2.0	.32	.32			
		42-60	20-26	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
OsB:													
Orwood	100	0-8	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	2.5-3.5	.28	.28	5	6	48
		8-50	22-28	1.40-1.45	0.6-2	0.18-0.22	3.0-5.9	1.0-2.0	.43	.43			
		50-60	18-26	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			

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Winneshiek 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					
OsC2:													
Orwood----------	100	0-8	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		8-50	22-28	1.40-1.45	0.6-2	0.18-0.22	3.0-5.9	0.0-1.0	.43	.43			
		50-60	18-26	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
OsD2:													
Orwood----------	100	0-8	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		8-50	22-28	1.40-1.45	0.6-2	0.18-0.22	3.0-5.9	0.0-1.0	.43	.43			
		50-60	18-26	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
OsE2:													
Orwood----------	100	0-8	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		8-50	22-28	1.40-1.45	0.6-2	0.18-0.22	3.0-5.9	0.0-1.0	.43	.43			
		50-60	18-26	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
OsE3:													
Orwood----------	100	0-8	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.43	.43	4	6	48
		8-50	22-28	1.40-1.45	0.6-2	0.18-0.22	3.0-5.9	0.0-0.5	.43	.43			
		50-60	18-26	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
OsF2:													
Orwood----------	100	0-8	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		8-50	22-28	1.40-1.45	0.6-2	0.18-0.22	3.0-5.9	0.0-1.0	.43	.43			
		50-60	18-26	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
Ot:													
Ossian----------	100	0-22	22-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	5.0-7.0	.28	.28	5	6	48
		22-60	20-30	1.30-1.40	0.6-2	0.20-0.22	3.0-5.9	1.0-4.0	.28	.28			
OuA:													
Ostrander----------	100	0-18	18-27	1.45-1.55	0.6-2	0.20-0.24	0.0-2.9	3.5-4.5	.28	.28	5	6	48
		18-22	18-27	1.45-1.55	0.6-2	0.17-0.20	0.0-2.9	1.0-2.0	.28	.28			
		22-55	13-27	1.45-1.65	0.6-2	0.17-0.19	0.0-2.9	0.0-1.0	.28	.28			
		55-60	18-27	1.60-1.80	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
OuB:													
Ostrander----------	100	0-18	18-27	1.45-1.55	0.6-2	0.20-0.24	0.0-2.9	3.0-4.0	.28	.28	5	6	48
		18-22	18-27	1.45-1.55	0.6-2	0.17-0.20	0.0-2.9	1.0-2.0	.28	.28			
		22-55	13-27	1.45-1.65	0.6-2	0.17-0.19	0.0-2.9	0.0-1.0	.28	.28			
		55-60	18-27	1.60-1.80	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
OuC:													
Ostrander----------	100	0-18	18-27	1.45-1.55	0.6-2	0.20-0.24	0.0-2.9	3.0-4.0	.28	.28	5	6	48
		18-22	18-27	1.45-1.55	0.6-2	0.17-0.20	0.0-2.9	1.0-2.0	.28	.28			
		22-55	13-27	1.45-1.65	0.6-2	0.17-0.19	0.0-2.9	0.0-1.0	.28	.28			
		55-60	18-27	1.60-1.80	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
OvB:													
Lawson----------	30	0-7	10-27	1.20-1.55	0.6-2	0.22-0.24	0.0-2.9	3.5-4.5	.28	.28	5	6	56
		7-29	10-30	1.20-1.55	0.6-2	0.18-0.22	0.0-2.9	3.0-7.0	.28	.28			
		29-60	18-30	1.55-1.65	0.6-2	0.18-0.20	3.0-5.9	1.0-4.0	.43	.43			
Otter----------	30	0-37	18-27	1.10-1.25	0.6-2	0.22-0.24	0.0-2.9	3.5-5.5	.28	.28	5	6	48
		37-47	18-27	1.20-1.45	0.6-2	0.17-0.22	3.0-5.9	1.0-3.0	.43	.43			
		47-60	15-28	1.30-1.55	0.6-2	0.15-0.20	0.0-2.9	0.5-2.0	.43	.43			
Ossian----------	20	0-18	22-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	3.5-5.5	.28	.28	5	6	48
		18-60	20-30	1.30-1.40	0.6-2	0.20-0.22	3.0-5.9	1.0-4.0	.28	.28			
Ow:													
Otter----------	50	0-37	18-27	1.10-1.25	0.6-2	0.22-0.24	0.0-2.9	3.5-5.5	.28	.28	5	6	48
		37-47	18-27	1.20-1.45	0.6-2	0.17-0.22	3.0-5.9	1.0-3.0	.43	.43			
		47-60	15-28	1.30-1.55	0.6-2	0.15-0.20	0.0-2.9	0.5-2.0	.43	.43			
Ossian----------	30	0-18	22-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	3.5-5.5	.28	.28	5	6	48
		18-60	20-30	1.30-1.40	0.6-2	0.20-0.22	3.0-5.9	1.0-4.0	.28	.28			
Ox:													
Ossian----------	50	0-18	22-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	3.5-5.5	.28	.28	5	6	48
		18-60	20-30	1.30-1.40	0.6-2	0.20-0.22	3.0-5.9	1.0-4.0	.28	.28			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
Otter	50	0-37	18-27	1.10-1.25	0.6-2	0.22-0.24	0.0-2.9	3.5-5.5	.28	.28	5	6	48
		37-47	18-27	1.20-1.45	0.6-2	0.17-0.22	3.0-5.9	1.0-3.0	.43	.43			
		47-60	15-28	1.30-1.55	0.6-2	0.15-0.20	0.0-2.9	0.5-2.0	.43	.43			
PaC2:													
Palsgrove	100	0-6	21-27	1.15-1.35	0.6-2	0.22-0.24	0.0-2.9	1.5-2.5	.32	.32	3	6	48
		6-40	25-35	1.40-1.60	0.6-2	0.18-0.20	3.0-5.9	0.3-1.0	.43	.43			
		40-42	35-75	1.20-1.40	0.06-0.2	0.08-0.10	6.0-8.9	0.0-0.3	.32	.32			
		42-60	---	---	2-20	---	---	---	---	---			
PaD2:													
Palsgrove	100	0-6	21-27	1.15-1.35	0.6-2	0.22-0.24	0.0-2.9	1.5-2.5	.32	.32	3	6	48
		6-40	25-35	1.40-1.60	0.6-2	0.18-0.20	3.0-5.9	0.3-1.0	.43	.43			
		40-42	35-75	1.20-1.40	0.06-0.2	0.08-0.10	6.0-8.9	0.0-0.3	.32	.32			
		42-60	---	---	2-20	---	---	---	---	---			
PaD3:													
Palsgrove	100	0-6	21-27	1.15-1.35	0.6-2	0.22-0.24	0.0-2.9	0.4-2.0	.32	.32	2	6	48
		6-40	25-35	1.40-1.60	0.6-2	0.18-0.20	3.0-5.9	0.3-1.0	.43	.43			
		40-42	35-75	1.20-1.40	0.06-0.2	0.08-0.10	6.0-8.9	0.0-0.3	.32	.32			
		42-60	---	---	2-20	---	---	---	---	---			
PaE2:													
Palsgrove	100	0-6	21-27	1.15-1.35	0.6-2	0.22-0.24	0.0-2.9	1.5-2.5	.32	.32	3	6	48
		6-40	25-35	1.40-1.60	0.6-2	0.18-0.20	3.0-5.9	0.3-1.0	.43	.43			
		40-42	35-75	1.20-1.40	0.06-0.2	0.08-0.10	6.0-8.9	0.0-0.3	.32	.32			
		42-60	---	---	2-20	---	---	---	---	---			
PaE3:													
Palsgrove	100	0-6	21-27	1.15-1.35	0.6-2	0.22-0.24	0.0-2.9	0.4-2.0	.32	.32	2	6	48
		6-40	25-35	1.40-1.60	0.6-2	0.18-0.20	3.0-5.9	0.3-1.0	.43	.43			
		40-42	35-75	1.20-1.40	0.06-0.2	0.08-0.10	6.0-8.9	0.0-0.3	.32	.32			
		42-60	---	---	2-20	---	---	---	---	---			

Physical Properties of the Soils

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Winneshiek 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					
PaF2:													
Palsgrove----------	100	0-6	21-27	1.15-1.35	0.6-2	0.22-0.24	0.0-2.9	1.5-2.5	.32	.32	3	6	48
		6-40	25-35	1.40-1.60	0.6-2	0.18-0.20	3.0-5.9	0.3-1.0	.43	.43			
		40-42	35-75	1.20-1.40	0.06-0.2	0.08-0.10	6.0-8.9	0.0-0.3	.32	.32			
		42-60	---	---	2-20	---	---	---	---	---			
Pk:													
Peaty Muck----------	95	0-13	0-0	0.30-0.40	0.1-6	0.35-0.45	---	50-100	.28	.28	2	2	134
		13-37	0-0	0.15-0.30	0.1-6	0.35-0.45	---	50-100	---	---			
		37-60	7-35	1.45-1.75	0.1-2	0.14-0.22	0.0-2.9	0.0-5.0	.37	.37			
Pw:													
Peaty Muck----------	95	0-10	20-35	0.80-1.20	0.6-2	0.15-0.23	3.0-5.9	2.0-3.0	.37	.37	5	7	38
		10-46	0-0	0.25-0.45	0.1-6	0.35-0.45	0.0-2.9	50-100	---	---			
		46-60	7-35	1.45-1.75	0.1-2	0.14-0.22	0.0-2.9	0.0-5.0	---	---			
RaA:													
Racine----------	100	0-12	18-27	1.35-1.45	0.6-2	0.22-0.24	0.0-2.9	3.0-4.0	.32	.32	5	6	48
		12-18	22-32	1.40-1.50	0.6-2	0.20-0.22	3.0-5.9	0.5-1.5	.32	.32			
		18-44	18-32	1.55-1.65	0.6-2	0.15-0.19	0.0-2.9	0.2-0.8	.32	.32			
		44-60	18-27	1.65-1.80	0.6-2	0.16-0.19	3.0-5.9	0.0-0.5	.32	.32			
RaB:													
Racine----------	100	0-12	18-27	1.35-1.45	0.6-2	0.22-0.24	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		12-18	22-32	1.40-1.50	0.6-2	0.20-0.22	3.0-5.9	0.5-1.5	.32	.32			
		18-44	18-32	1.55-1.65	0.6-2	0.15-0.19	0.0-2.9	0.2-0.8	.32	.32			
		44-60	18-27	1.65-1.80	0.6-2	0.16-0.19	3.0-5.9	0.0-0.5	.32	.32			
RaC:													
Racine----------	100	0-12	18-27	1.35-1.45	0.6-2	0.22-0.24	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		12-18	22-32	1.40-1.50	0.6-2	0.20-0.22	3.0-5.9	0.5-1.5	.32	.32			
		18-44	18-32	1.55-1.65	0.6-2	0.15-0.19	0.0-2.9	0.2-0.8	.32	.32			
		44-60	18-27	1.65-1.80	0.6-2	0.16-0.19	3.0-5.9	0.0-0.5	.32	.32			

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Winneshiek 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					
RaC2:													
Racine----------	100	0-12	18-27	1.35-1.45	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		12-18	22-32	1.40-1.50	0.6-2	0.20-0.22	3.0-5.9	0.5-1.5	.32	.32			
		18-44	18-32	1.55-1.65	0.6-2	0.15-0.19	0.0-2.9	0.2-0.8	.32	.32			
		44-60	18-27	1.65-1.80	0.6-2	0.16-0.19	3.0-5.9	0.0-0.5	.32	.32			
RaD2:													
Racine----------	100	0-12	18-27	1.35-1.45	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		12-18	22-32	1.40-1.50	0.6-2	0.20-0.22	3.0-5.9	0.5-1.5	.32	.32			
		18-44	18-32	1.55-1.65	0.6-2	0.15-0.19	0.0-2.9	0.2-0.8	.32	.32			
		44-60	18-27	1.65-1.80	0.6-2	0.16-0.19	3.0-5.9	0.0-0.5	.32	.32			
ReB:													
Renova----------	100	0-11	20-27	1.30-1.40	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.37	.37	5	6	48
		11-14	24-32	1.35-1.45	0.6-2	0.20-0.22	0.0-2.9	0.5-1.5	.37	.37			
		14-50	20-30	1.55-1.70	0.6-2	0.17-0.19	0.0-2.9	0.2-0.8	.37	.37			
		50-60	20-27	1.55-1.70	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
ReC:													
Renova----------	100	0-11	20-27	1.30-1.40	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.37	.37	5	6	48
		11-14	24-32	1.35-1.45	0.6-2	0.20-0.22	0.0-2.9	0.5-1.5	.37	.37			
		14-50	20-30	1.55-1.70	0.6-2	0.17-0.19	0.0-2.9	0.2-0.8	.37	.37			
		50-60	20-27	1.55-1.70	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
ReC2:													
Renova----------	100	0-11	20-27	1.30-1.40	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.37	.37	5	6	48
		11-14	24-32	1.35-1.45	0.6-2	0.20-0.22	0.0-2.9	0.5-1.5	.37	.37			
		14-50	20-30	1.55-1.70	0.6-2	0.17-0.19	0.0-2.9	0.2-0.8	.37	.37			
		50-60	20-27	1.55-1.70	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
ReD2:													
Renova----------	100	0-11	20-27	1.30-1.40	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.37	.37	5	6	48
		11-14	24-32	1.35-1.45	0.6-2	0.20-0.22	0.0-2.9	0.5-1.5	.37	.37			
		14-50	20-30	1.55-1.70	0.6-2	0.17-0.19	0.0-2.9	0.2-0.8	.37	.37			
		50-60	20-27	1.55-1.70	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			

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Winneshiek 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					
ReD3:													
Renova----------	100	0-11	20-27	1.30-1.40	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.37	.37	5	6	48
		11-14	24-32	1.35-1.45	0.6-2	0.20-0.22	0.0-2.9	0.5-1.5	.37	.37			
		14-50	20-30	1.55-1.70	0.6-2	0.17-0.19	0.0-2.9	0.2-0.8	.37	.37			
		50-60	20-27	1.55-1.70	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
ReE2:													
Renova----------	100	0-11	20-27	1.30-1.40	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.37	.37	5	6	48
		11-14	24-32	1.35-1.45	0.6-2	0.20-0.22	0.0-2.9	0.5-1.5	.37	.37			
		14-50	20-30	1.55-1.70	0.6-2	0.17-0.19	0.0-2.9	0.2-0.8	.37	.37			
		50-60	20-27	1.55-1.70	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
ReE3:													
Renova----------	100	0-11	20-27	1.30-1.40	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.37	.37	5	6	48
		11-14	24-32	1.35-1.45	0.6-2	0.20-0.22	0.0-2.9	0.5-1.5	.37	.37			
		14-50	20-30	1.55-1.70	0.6-2	0.17-0.19	0.0-2.9	0.2-0.8	.37	.37			
		50-60	20-27	1.55-1.70	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
RfB:													
Riceville----------	100	0-8	18-27	1.45-1.60	0.6-2	0.18-0.20	3.0-5.9	3.0-4.0	.28	.28	5	6	48
		8-16	24-33	1.45-1.60	0.6-2	0.16-0.18	0.0-2.9	0.5-1.0	.32	.32			
		16-60	30-35	1.45-1.60	0.2-0.6	0.15-0.17	3.0-5.9	0.0-0.5	.37	.37			
RkA:													
Rockton----------	100	0-18	18-27	1.30-1.40	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.28	.28	3	6	48
		18-26	25-35	1.40-1.55	0.6-2	0.17-0.19	3.0-5.9	0.5-1.0	.28	.28			
		26-31	35-60	1.35-1.45	0.6-2	0.10-0.14	6.0-8.9	0.0-0.5	.28	.28			
		31-60	---	---	2-20	---	---	---	---	---			
RkB:													
Rockton----------	100	0-18	18-27	1.30-1.40	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.28	.28	3	6	48
		18-26	25-35	1.40-1.55	0.6-2	0.17-0.19	3.0-5.9	0.5-1.0	.28	.28			
		26-31	35-60	1.35-1.45	0.6-2	0.10-0.14	6.0-8.9	0.0-0.5	.28	.28			
		31-60	---	---	2-20	---	---	---	---	---			

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Winneshiek 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					
RkC:													
Rockton----------	100	0-18	18-27	1.30-1.40	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.28	.28	3	6	48
		18-26	25-35	1.40-1.55	0.6-2	0.17-0.19	3.0-5.9	0.5-1.0	.28	.28			
		26-31	35-60	1.35-1.45	0.6-2	0.10-0.14	6.0-8.9	0.0-0.5	.28	.28			
		31-60	---	---	2-20	---	---	---	---	---			
RkD:													
Rockton----------	100	0-18	18-27	1.30-1.40	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.28	.28	3	6	48
		18-26	25-35	1.40-1.55	0.6-2	0.17-0.19	3.0-5.9	0.5-1.0	.28	.28			
		26-31	35-60	1.35-1.45	0.6-2	0.10-0.14	6.0-8.9	0.0-0.5	.28	.28			
		31-60	---	---	2-20	---	---	---	---	---			
RoA:													
Rowley----------	95	0-13	15-22	1.35-1.45	0.6-2	0.22-0.24	0.0-2.9	4.0-5.0	.28	.28	4	5	56
		13-46	20-30	1.35-1.65	0.6-2	0.18-0.22	0.0-2.9	0.2-0.8	.43	.43			
		46-60	10-20	1.55-1.65	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.43	.43			
Rw:													
Lawson----------	50	0-7	10-27	1.20-1.55	0.6-2	0.22-0.24	0.0-2.9	0.5-1.5	.28	.28	5	6	56
		7-29	10-30	1.20-1.55	0.6-2	0.18-0.22	0.0-2.9	3.0-7.0	.28	.28			
		29-60	18-30	1.50-1.70	0.6-2	0.11-0.15	3.0-5.9	0.1-1.0	.43	.43			
Rowley----------	45	0-13	15-22	1.35-1.45	0.6-2	0.22-0.24	0.0-2.9	0.5-1.5	.28	.28	4	6	56
		13-46	20-30	1.35-1.65	0.6-2	0.18-0.22	0.0-2.9	1.0-5.0	.43	.43			
		46-60	10-20	1.55-1.65	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.43	.43			
SbA:													
Sattre----------	100	0-11	18-24	1.40-1.45	0.6-2	0.18-0.20	0.0-2.9	3.0-4.0	.24	.24	4	6	48
		11-44	18-28	1.40-1.50	0.6-6	0.15-0.17	0.0-2.9	0.5-1.0	.28	.28			
		44-60	2-8	1.50-1.75	20-20	0.02-0.06	0.0-2.9	0.0-0.5	.10	.20			
SbB:													
Sattre----------	100	0-11	18-24	1.40-1.45	0.6-2	0.18-0.20	0.0-2.9	2.5-3.5	.24	.24	4	6	48
		11-44	18-28	1.40-1.50	0.6-6	0.15-0.17	0.0-2.9	0.5-1.0	.28	.28			
		44-60	2-8	1.50-1.75	20-20	0.02-0.06	0.0-2.9	0.0-0.5	.10	.20			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
SbC2:													
Sattre----------	100	0-11	18-24	1.40-1.45	0.6-2	0.18-0.20	0.0-2.9	2.0-3.0	.28	.28	4	6	48
		11-44	18-28	1.40-1.50	0.6-6	0.15-0.17	0.0-2.9	0.0-1.0	.28	.28			
		44-60	2-8	1.50-1.75	20-20	0.02-0.06	0.0-2.9	0.0-0.5	.10	.20			
SdA:													
Sattre----------	100	0-11	12-18	1.40-1.45	0.6-2	0.18-0.20	0.0-2.9	3.0-4.0	.24	.24	4	5	56
		11-34	12-18	1.45-1.50	0.6-2	0.15-0.17	0.0-2.9	0.0-1.0	.28	.28			
		34-60	2-10	1.50-1.75	20-20	0.02-0.06	0.0-2.9	0.0-0.5	.10	.17			
SdB:													
Sattre----------	100	0-11	12-18	1.40-1.45	0.6-2	0.18-0.20	0.0-2.9	2.5-3.5	.24	.24	4	5	56
		11-34	12-18	1.45-1.50	0.6-2	0.15-0.17	0.0-2.9	0.0-1.0	.28	.28			
		34-60	2-10	1.50-1.75	20-20	0.02-0.06	0.0-2.9	0.0-0.5	.10	.17			
SdC2:													
Sattre----------	100	0-11	12-18	1.40-1.45	0.6-2	0.18-0.20	0.0-2.9	2.0-3.0	.28	.28	4	5	56
		11-34	12-18	1.45-1.50	0.6-2	0.15-0.17	0.0-2.9	0.0-1.0	.28	.28			
		34-60	2-10	1.50-1.75	20-20	0.02-0.06	0.0-2.9	0.0-0.5	.10	.17			
SdD2:													
Sattre----------	100	0-11	12-18	1.40-1.45	0.6-2	0.18-0.20	0.0-2.9	2.0-3.0	.28	.28	4	5	56
		11-34	12-18	1.45-1.50	0.6-2	0.15-0.17	0.0-2.9	0.0-1.0	.28	.28			
		34-60	2-10	1.50-1.75	20-20	0.02-0.06	0.0-2.9	0.0-0.5	.10	.17			
Sp:													
Spillville----------	95	0-54	18-26	1.45-1.55	0.6-2	0.19-0.21	3.0-5.9	4.0-5.0	.24	.24	5	6	48
		54-60	14-24	1.55-1.70	0.6-6	0.15-0.18	0.0-2.9	2.0-3.0	.28	.28			
Sr:													
Steep Rock Land-------	100	---	---	---	---	---	---	---	---	---	-	---	---
SsF:													
Steep Sandy Land------	100	---	---	---	---	---	---	---	---	---	-	---	---

Physical Properties of the Soils

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
TeA:													
Terril----------	100	0-32	18-26	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	3.5-4.5	.24	.24	5	6	48
		32-60	15-30	1.45-1.70	0.6-2	0.16-0.18	0.0-2.9	0.0-1.0	.32	.32			
TeB:													
Terril----------	100	0-32	18-26	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	5	6	48
		32-60	15-30	1.45-1.70	0.6-2	0.16-0.18	0.0-2.9	0.0-1.0	.32	.32			
TgA:													
Turlin----------	95	0-34	18-26	1.45-1.55	0.6-2	0.20-0.22	0.0-2.9	4.5-5.5	.24	.24	4	6	48
		34-41	20-28	1.55-1.65	0.6-2	0.17-0.19	0.0-2.9	2.0-3.0	.28	.28			
		41-60	8-18	1.65-1.70	6-20	0.08-0.17	0.0-2.9	0.0-1.0	.24	.24			
TgB:													
Turlin----------	95	0-34	18-26	1.45-1.55	0.6-2	0.20-0.22	0.0-2.9	4.5-5.5	.24	.24	4	6	48
		34-41	20-28	1.55-1.65	0.6-2	0.17-0.19	0.0-2.9	2.0-3.0	.28	.28			
		41-60	8-18	1.65-1.70	6-20	0.08-0.17	0.0-2.9	0.0-1.0	.24	.24			
VcA:													
Volney----------	95	0-30	18-24	1.40-1.55	2-6	0.13-0.16	0.0-2.9	3.0-5.0	.24	.43	4	8	0
		30-60	12-25	1.70-1.90	20-20	0.02-0.08	0.0-2.9	0.0-1.0	.24	.43			
VcB:													
Volney----------	95	0-30	18-24	1.40-1.55	2-6	0.13-0.16	0.0-2.9	3.0-5.0	.24	.43	4	8	0
		30-60	12-25	1.70-1.90	20-20	0.02-0.08	0.0-2.9	0.0-1.0	.24	.43			
VoA:													
Volney----------	95	0-12	18-26	1.45-1.55	0.6-2	0.20-0.22	0.0-2.9	4.5-5.5	.24	.24	4	8	0
		12-30	18-24	1.40-1.55	2-6	0.13-0.16	0.0-2.9	0.5-1.5	.24	.43			
		30-60	12-25	1.70-1.90	20-20	0.02-0.08	0.0-2.9	0.0-1.0	.24	.43			
VoB:													
Volney----------	95	0-12	18-26	1.45-1.55	0.6-2	0.20-0.22	0.0-2.9	4.5-5.5	.24	.24	4	8	0
		12-30	18-24	1.40-1.55	2-6	0.13-0.16	0.0-2.9	0.5-1.5	.24	.43			
		30-60	12-25	1.70-1.90	20-20	0.02-0.08	0.0-2.9	0.0-1.0	.24	.43			

Physical Properties of the Soils

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Winneshiek 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					
WcA:													
Waucoma	100	0-18	18-24	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	3.0-4.0	.24	.24	4	6	48
		18-36	20-27	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	1.0-2.0	.28	.28			
		36-39	38-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-1.0	.28	.28			
		39-60	---	---	2-20	---	---	---	---	---			
WcB:													
Waucoma	100	0-18	18-24	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	2.5-3.5	.24	.24	4	6	48
		18-36	20-27	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	1.0-2.0	.28	.28			
		36-39	38-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-1.0	.28	.28			
		39-60	---	---	2-20	---	---	---	---	---			
WcC:													
Waucoma	100	0-18	18-24	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	2.5-3.5	.24	.24	4	6	48
		18-36	20-27	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	1.0-2.0	.28	.28			
		36-39	38-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-1.0	.28	.28			
		39-60	---	---	2-20	---	---	---	---	---			
WcD:													
Waucoma	100	0-18	18-24	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	2.5-3.5	.24	.24	4	6	48
		18-36	20-27	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	1.0-2.0	.28	.28			
		36-39	38-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-1.0	.28	.28			
		39-60	---	---	2-20	---	---	---	---	---			
WdA:													
Waukegan	100	0-14	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.5-4.5	.24	.24	4	6	48
		14-38	18-27	1.40-1.50	0.6-2	0.15-0.19	0.0-2.9	1.0-2.0	.28	.28			
		38-60	2-8	1.50-1.75	20-20	0.02-0.06	0.0-2.9	0.0-0.5	.10	.17			
WdB:													
Waukegan	100	0-14	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	4	6	48
		14-38	18-27	1.40-1.50	0.6-2	0.15-0.19	0.0-2.9	1.0-2.0	.28	.28			
		38-60	2-8	1.50-1.75	20-20	0.02-0.06	0.0-2.9	0.0-0.5	.10	.17			

Physical Properties of the Soils

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Winneshiek 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					
WgA:													
Waukegan	100	0-14	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.5-4.5	.24	.24	4	6	48
		14-33	12-18	1.40-1.50	0.6-6	0.15-0.19	0.0-2.9	1.0-2.0	.24	.37			
		33-60	2-8	1.50-1.75	20-20	0.02-0.06	0.0-2.9	0.0-0.5	.10	.20			
WgB:													
Waukegan	100	0-14	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	4	6	48
		14-33	12-18	1.40-1.50	0.6-6	0.15-0.19	0.0-2.9	1.0-2.0	.24	.37			
		33-60	2-8	1.50-1.75	20-20	0.02-0.06	0.0-2.9	0.0-0.5	.10	.20			
WhB:													
Whalan	100	0-7	18-25	1.30-1.45	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.32	.32	4	6	48
		7-15	18-35	1.40-1.55	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.32	.32			
		15-28	35-60	1.35-1.45	0.0000-0.6	0.15-0.19	6.0-8.9	0.0-0.5	.32	.32			
		28-60	---	---	2-20	---	---	---	---	---			
WhC2:													
Whalan	100	0-7	18-25	1.30-1.45	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.32	.32	4	6	48
		7-15	18-35	1.40-1.55	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.32	.32			
		15-28	35-60	1.35-1.45	0.0000-0.6	0.15-0.19	6.0-8.9	0.0-0.5	.32	.32			
		28-60	---	---	2-20	---	---	---	---	---			
WhD2:													
Whalan	100	0-7	18-25	1.30-1.45	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.32	.32	4	6	48
		7-15	18-35	1.40-1.55	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.32	.32			
		15-28	35-60	1.35-1.45	0.0000-0.6	0.15-0.19	6.0-8.9	0.0-0.5	.32	.32			
		28-60	---	---	2-20	---	---	---	---	---			
WhE2:													
Whalan	100	0-7	18-25	1.30-1.45	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.32	.32	4	6	48
		7-15	18-35	1.40-1.55	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.32	.32			
		15-28	35-60	1.35-1.45	0.0000-0.6	0.15-0.19	6.0-8.9	0.0-0.5	.32	.32			
		28-60	---	---	2-20	---	---	---	---	---			

Physical Properties of the Soils

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Winneshiek 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					
WhE3:													
Whalan----------	100	0-7	18-25	1.30-1.45	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.32	.32	4	6	48
		7-15	18-35	1.40-1.55	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.32	.32			
		15-28	35-60	1.35-1.45	0.0000-0.6	0.15-0.19	6.0-8.9	0.0-0.5	.32	.32			
		28-60	---	---	2-20	---	---	---	---	---			
WkA:													
Winneshiek----------	100	0-11	18-24	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	3.0-4.0	.24	.24	3	6	48
		11-21	20-28	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.0-1.0	.28	.28			
		21-24	40-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-1.0	.32	.32			
		24-60	---	---	2-20	---	---	---	---	---			
WkB:													
Winneshiek----------	100	0-11	18-24	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	2.5-3.5	.24	.24	3	6	48
		11-21	20-28	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.0-1.0	.28	.28			
		21-24	40-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-1.0	.32	.32			
		24-60	---	---	2-20	---	---	---	---	---			
WkC:													
Winneshiek----------	100	0-11	18-24	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	2.5-3.5	.24	.24	3	6	48
		11-21	20-28	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.0-1.0	.28	.28			
		21-24	40-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-1.0	.32	.32			
		24-60	---	---	2-20	---	---	---	---	---			
WkC2:													
Winneshiek----------	100	0-11	18-24	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	2.0-3.0	.28	.28	3	6	48
		11-21	20-28	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.28	.28			
		21-24	40-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-0.5	.28	.28			
		24-60	---	---	2-20	---	---	---	---	---			
WkD:													
Winneshiek----------	100	0-11	18-24	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	2.5-3.5	.24	.24	3	6	48
		11-21	20-28	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.0-1.0	.28	.28			
		21-24	40-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-1.0	.32	.32			
		24-60	---	---	2-20	---	---	---	---	---			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
WkE:													
Winneshiek----------	100	0-11	18-24	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	2.5-3.5	.24	.24	3	6	48
		11-21	20-28	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.0-1.0	.28	.28			
		21-24	40-55	1.50-1.60	0.06-0.2	0.12-0.15	6.0-8.9	0.0-1.0	.32	.32			
		24-60	---	---	2-20	---	---	---	---	---			