Adams County, Iowa
Physical Soil Properties

Print date: 09/17/2015

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
7:														
Wiota, rarely flooded	0-8	1- 8- 14	-65-	20-27- 32	1.30-1.35	1.00-10.00	0.21-0.23	3.0-5.9	3.5-4.5	.32	.32	5	6	48
----------	8-28	1- 8- 14	-65-	20-27- 32	1.30-1.35	1.00-10.00	0.21-0.23	3.0-5.9	3.0-4.0	.37	.37			
----------	28-59	1- 8- 14	-60-	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			
----------	59-80	1- 8- 14	-66-	25-27- 34	1.40-1.50	1.00-10.00	0.20-0.22	3.0-5.9	0.0-1.0	.49	.49			
7B:														
Wiota, rarely flooded	0-8	1- 8- 14	-65-	20-27- 32	1.30-1.35	1.00-10.00	0.21-0.23	3.0-5.9	3.0-4.0	.37	.37	5	6	48
----------	8-28	1- 8- 14	-65-	20-27- 32	1.30-1.35	1.00-10.00	0.21-0.23	3.0-5.9	3.0-4.0	.37	.37			
----------	28-59	1- 8- 14	-60-	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			
----------	59-80	1- 8- 14	-66-	25-27- 34	1.40-1.50	1.00-10.00	0.20-0.22	3.0-5.9	0.0-1.0	.49	.49			
8B:														
Judson----------	0-9	1- 6- 10	-67-	24-28- 32	1.30-1.35	1.00-10.00	0.21-0.23	3.0-5.9	3.0-4.0	.37	.37	5	6	48
----------	9-28	1- 6- 10	-65-	27-30- 32	1.30-1.35	1.00-10.00	0.21-0.23	3.0-5.9	3.0-4.0	.37	.37			
----------	28-35	1- 6- 10	-62-	30-33- 35	1.35-1.45	1.00-10.00	0.21-0.23	3.0-5.9	1.0-3.0	.37	.37			
----------	35-60	1- 6- 10	-66-	25-29- 32	1.35-1.45	1.00-10.00	0.21-0.23	3.0-5.9	0.0-1.0	.49	.49			
15B:														
Olmitz----------	0-7	20-40- 50	-35-	24-26- 27	1.50-1.55	1.00-10.00	0.20-0.22	3.0-5.9	3.0-4.0	.24	.24	5	6	48
----------	7-30	20-35- 50	-37-	22-28- 34	1.40-1.50	1.00-10.00	0.15-0.17	3.0-5.9	2.0-3.0	.32	.32			
----------	30-60	20-35- 50	-35-	27-31- 34	1.45-1.55	1.00-10.00	0.14-0.16	3.0-5.9	1.0-2.0	.32	.32			
Ely----------	0-8	5-10- 20	-62-	22-28- 34	1.30-1.35	1.00-10.00	0.21-0.23	0.0-2.9	5.0-6.0	.32	.32	5	6	48
----------	8-24	5-10- 20	-62-	22-28- 34	1.30-1.35	1.00-10.00	0.21-0.23	3.0-5.9	4.0-5.0	.28	.28			
----------	24-58	5-10- 20	-59-	28-32- 35	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	1.0-3.0	.37	.37			
----------	58-80	5-10- 20	-63-	18-27- 35	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.5-1.0	.49	.49			
Zook----------	0-7	0- 2- 15	47-61- 68	32-36- 45	1.41-1.45	1.00-10.00	0.21-0.23	3.0-6.0	3.0-5.0	.32	.32	5	4	86
----------	7-20	0- 4- 15	46-60- 68	32-37- 45	1.24-1.39	0.10-1.00	0.21-0.23	6.0-9.0	2.0-4.0	.37	.37			
----------	20-38	0- 4- 15	41-55- 68	32-41- 45	1.37-1.43	0.01-0.10	0.11-0.13	6.0-9.0	1.0-2.0	.37	.37			
----------	38-61	0- 2- 15	45-58- 65	35-40- 45	1.42-1.46	0.10-1.00	0.18-0.20	6.0-9.0	1.0-2.0	.37	.37			
----------	61-80	0- 8- 15	40-59- 79	20-34- 45	1.43-1.51	1.00-10.00	0.18-0.20	3.0-6.0	0.5-1.5	.43	.43			
16:														
Nodaway, occasionally flooded	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			

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					
Kennebec, occasionally flooded	0-7	1- 5- 9	-70-	18-25- 30	1.40-1.50	1.00-10.00	0.22-0.24	0.0-2.9	4.0-6.0	.32	.32	5	6	48
----------	7-16	1- 5- 9	-67-	18-28- 32	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	3.5-5.5	.32	.32			
----------	16-35	1- 5- 9	-67-	18-28- 32	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	2.0-4.0	.37	.37			

----------	35-48	1- 8- 14	-64-	24-29- 33	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
----------	48-80	1- 8- 14	-67-	24-26- 30	1.45-1.55	1.00-10.00	0.20-0.22	3.0-5.9	1.0-2.0	.43	.43			
24C2:														
Shelby, moderately eroded----------	0-7	20-33- 45	-37-	24-31- 35	1.45-1.55	1.00-10.00	0.17-0.19	3.0-5.9	2.2-3.2	.28	.28	5	6	48
----------	7-31	20-33- 45	-34-	30-34- 38	1.50-1.60	1.00-10.00	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
----------	31-48	20-33- 45	-37-	25-31- 36	1.55-1.65	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
----------	48-80	30-33- 60	-37-	25-31- 36	1.60-1.70	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
24D2:														
Shelby, moderately eroded----------	0-7	20-33- 45	-37-	24-31- 35	1.45-1.55	1.00-10.00	0.17-0.19	3.0-5.9	2.2-3.2	.28	.28	5	6	48
----------	7-31	20-33- 45	-34-	30-34- 38	1.50-1.60	1.00-10.00	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
----------	31-48	20-33- 45	-37-	25-31- 36	1.55-1.65	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
----------	48-80	30-33- 60	-37-	25-31- 36	1.60-1.70	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
24E:														
Shelby----------	0-7	20-33- 45	-38-	24-30- 35	1.45-1.55	1.00-10.00	0.17-0.19	3.0-5.9	3.0-4.0	.24	.24	5	6	48
----------	7-11	20-33- 45	-38-	24-30- 35	1.45-1.55	1.00-10.00	0.17-0.19	3.0-5.9	2.0-3.0	.28	.28			
----------	11-46	20-33- 45	-34-	30-34- 38	1.55-1.65	1.00-10.00	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
----------	46-60	20-33- 45	-37-	25-31- 36	1.55-1.65	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
----------	60-80	30-33- 50	-37-	25-31- 36	1.60-1.70	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
24E2:														
Shelby, moderately eroded----------	0-7	20-33- 45	-37-	24-31- 35	1.45-1.55	1.00-10.00	0.17-0.19	3.0-5.9	2.2-3.2	.28	.28	5	6	48
----------	7-31	20-33- 45	-34-	30-34- 38	1.50-1.60	1.00-10.00	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
----------	31-48	20-33- 45	-37-	25-31- 36	1.55-1.65	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
----------	48-80	30-33- 60	-37-	25-31- 36	1.60-1.70	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
24F:														
Shelby----------	0-7	20-33- 45	-38-	24-30- 35	1.45-1.55	1.00-10.00	0.17-0.19	3.0-5.9	3.0-4.0	.24	.24	5	6	48
----------	7-11	20-33- 45	-38-	24-30- 35	1.45-1.55	1.00-10.00	0.17-0.19	3.0-5.9	2.0-3.0	.28	.28			
----------	11-46	20-33- 45	-34-	30-34- 38	1.55-1.65	1.00-10.00	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
----------	46-60	20-33- 45	-37-	25-31- 36	1.55-1.65	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
----------	60-80	30-33- 50	-37-	25-31- 36	1.60-1.70	1.00-10.00	0.14-0.19	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, rarely 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			
45B:														
Zook----------	0-7	0- 2- 15	47-61- 68	32-36- 45	1.41-1.45	1.00-10.00	0.21-0.23	3.0-6.0	3.0-5.0	.32	.32	5	4	86
----------	7-20	0- 4- 15	46-60- 68	32-37- 45	1.24-1.39	0.10-1.00	0.21-0.23	6.0-9.0	2.0-4.0	.37	.37			
----------	20-38	0- 4- 15	41-55- 68	32-41- 45	1.37-1.43	0.01-0.10	0.11-0.13	6.0-9.0	1.0-2.0	.37	.37			
----------	38-61	0- 2- 15	45-58- 65	35-40- 45	1.42-1.46	0.10-1.00	0.18-0.20	6.0-9.0	1.0-2.0	.37	.37			
----------	61-80	0- 8- 15	40-59- 79	20-34- 45	1.43-1.51	1.00-10.00	0.18-0.20	3.0-6.0	0.5-1.5	.43	.43			
Ely----------	0-8	5-10- 20	-62-	22-28- 34	1.30-1.35	1.00-10.00	0.21-0.23	0.0-2.9	5.0-6.0	.32	.32	5	6	48
----------	8-24	5-10- 20	-62-	22-28- 34	1.30-1.35	1.00-10.00	0.21-0.23	3.0-5.9	4.0-5.0	.28	.28			
----------	24-58	5-10- 20	-59-	28-32- 35	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	1.0-3.0	.37	.37			
----------	58-80	5-10- 20	-63-	18-27- 35	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.5-1.0	.49	.49			

54:														
Zook, occasionally flooded	0-7	0- 2- 15	47-61- 68	32-36- 45	1.41-1.45	1.00-10.00	0.21-0.23	3.0-6.0	3.0-5.0	.32	.32	5	4	86
	7-20	0- 4- 15	46-60- 68	32-37- 45	1.24-1.39	0.10-1.00	0.21-0.23	6.0-9.0	2.0-4.0	.37	.37			
	20-38	0- 4- 15	41-55- 68	32-41- 45	1.37-1.43	0.01-0.10	0.11-0.13	6.0-9.0	1.0-2.0	.37	.37			
	38-61	0- 2- 15	45-58- 65	35-40- 45	1.42-1.46	0.10-1.00	0.18-0.20	6.0-9.0	1.0-2.0	.37	.37			
	61-80	0- 8- 15	40-59- 79	20-34- 45	1.43-1.51	1.00-10.00	0.18-0.20	3.0-6.0	0.5-1.5	.43	.43			
54+:														
Zook, overwash, occasionally flooded	0-7	5-13- 20	54-65- 75	20-23- 26	1.45-1.60	1.00-10.00	0.22-0.24	3.0-6.0	2.0-4.0	.43	.43	5	6	48
	7-13	5-13- 20	54-65- 75	20-23- 26	1.45-1.60	1.00-10.00	0.22-0.24	3.0-6.0	2.0-4.0	.43	.43			
	13-50	0- 4- 15	43-57- 68	32-39- 45	1.45-1.70	0.10-1.00	0.18-0.20	6.0-9.0	3.0-5.0	.32	.32			
	50-58	0- 2- 15	45-57- 64	36-41- 45	1.25-1.40	0.01-0.10	0.11-0.13	6.0-9.0	2.0-4.0	.32	.32			
	58-80	0- 7- 15	40-59- 79	20-34- 45	1.45-1.70	1.00-10.00	0.18-0.20	3.0-6.0	0.0-1.0	.43	.43			
76B:														
Ladoga	0-7	1- 3- 5	-71-	18-26- 35	1.45-1.55	1.00-10.00	0.22-0.24	3.0-5.9	2.5-3.5	.37	.37	5	6	48
	7-14	1- 3- 5	-72-	15-25- 35	1.45-1.55	1.00-10.00	0.22-0.24	3.0-5.9	0.5-1.0	.55	.55			
	14-51	1- 3- 5	-59-	35-38- 42	1.30-1.40	0.10-1.00	0.18-0.20	6.0-8.9	0.5-1.0	.37	.37			
	51-60	1- 3- 5	-71-	24-26- 32	1.45-1.55	1.00-10.00	0.20-0.22	3.0-5.9	0.0-0.5	.49	.49			
76C:														
Ladoga	0-7	1- 3- 5	-71-	18-26- 35	1.45-1.55	1.00-10.00	0.22-0.24	3.0-5.9	2.5-3.5	.37	.37	5	6	48
	7-14	1- 3- 5	-72-	15-25- 35	1.45-1.55	1.00-10.00	0.22-0.24	3.0-5.9	0.5-1.0	.55	.55			
	14-51	1- 3- 5	-59-	35-38- 42	1.30-1.40	0.10-1.00	0.18-0.20	6.0-8.9	0.5-1.0	.37	.37			
	51-60	1- 3- 5	-71-	24-26- 32	1.45-1.55	1.00-10.00	0.20-0.22	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					
76D:														
Ladoga	0-7	1- 3- 5	-71-	18-26- 35	1.45-1.55	1.00-10.00	0.22-0.24	3.0-5.9	2.5-3.5	.37	.37	5	6	48
	7-14	1- 3- 5	-72-	15-25- 35	1.45-1.55	1.00-10.00	0.22-0.24	3.0-5.9	0.5-1.0	.55	.55			
	14-51	1- 3- 5	-59-	35-38- 42	1.30-1.40	0.10-1.00	0.18-0.20	6.0-8.9	0.5-1.0	.37	.37			
	51-60	1- 3- 5	-71-	24-26- 32	1.45-1.55	1.00-10.00	0.20-0.22	3.0-5.9	0.0-0.5	.49	.49			
76D2:														
Ladoga, moderately eroded	0-8	-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
	8-10	-25-	-53-	18-23- 27	1.30-1.35	1.00-10.00	0.22-0.24	0.0-2.9	0.5-1.0	.49	.49			
	10-39	- 7-	-54-	36-39- 42	1.30-1.40	0.10-1.00	0.18-0.20	6.1-8.0	0.5-1.0	.37	.37			
	39-60	-20-	-52-	24-28- 32	1.35-1.45	1.00-10.00	0.18-0.20	0.4-4.8	0.0-0.5	.49	.49			
86:														
Mt. Sterling, occasionally flooded	0-7	5-10- 15	-68-	18-23- 27	1.45-1.55	1.00-10.00	0.22-0.24	3.0-5.9	1.0-3.0	.43	.43	5	6	48
	7-26	5-10- 15	-66-	18-24- 30	1.45-1.55	1.00-10.00	0.20-0.22	3.0-5.9	0.5-1.0	.55	.55			
	26-54	3- 7- 10	-54-	35-40- 45	1.30-1.45	0.10-1.00	0.18-0.20	6.0-8.9	0.0-1.0	.37	.37			
	54-80	3- 7- 10	-52-	35-42- 48	1.30-1.35	0.01-0.10	0.10-0.12	6.0-8.9	0.0-1.0	.37	.37			
Zook, overwash, occasionally flooded	0-7	5-13- 20	54-65- 75	20-23- 26	1.45-1.60	1.00-10.00	0.22-0.24	3.0-6.0	2.0-4.0	.43	.43	5	6	48
	7-13	5-13- 20	54-65- 75	20-23- 26	1.45-1.60	1.00-10.00	0.22-0.24	3.0-6.0	2.0-4.0	.43	.43			
	13-50	0- 4- 15	43-57- 68	32-39- 45	1.45-1.70	0.10-1.00	0.18-0.20	6.0-9.0	3.0-5.0	.32	.32			
	50-58	0- 2- 15	45-57- 64	36-41- 45	1.25-1.40	0.01-0.10	0.11-0.13	6.0-9.0	2.0-4.0	.32	.32			
	58-80	0- 7- 15	40-59- 79	20-34- 45	1.45-1.70	1.00-10.00	0.18-0.20	3.0-6.0	0.0-1.0	.43	.43			

88:															
Nevin, rarely flooded	0-8	- 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
----------	8-30	- 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	.37	.37			
----------	30-46	- 6-	-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			
----------	46-62	- 7-	-63-	25-31- 36	1.40-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
93D2:														
Shelby, moderately eroded----------	0-7	20-33- 45	-37-	24-31- 35	1.45-1.55	1.00-10.00	0.17-0.19	3.0-5.9	2.2-3.2	.28	.28	5	6	48
----------	7-31	20-33- 45	-34-	30-34- 38	1.50-1.60	1.00-10.00	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
----------	31-48	20-33- 45	-37-	25-31- 36	1.55-1.65	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
----------	48-80	30-33- 60	-37-	25-31- 36	1.60-1.70	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
Adair, moderately eroded----------	0-7	15-23- 30	-46-	24-32- 40	1.45-1.55	1.00-10.00	0.17-0.19	3.0-5.0	2.2-3.2	.37	.37	3	6	48
----------	7-17	15-25- 35	-26-	38-49- 60	1.25-1.40	0.01-0.10	0.09-0.11	6.0-11.2	0.5-1.0	.24	.24			
----------	17-60	15-25- 35	-41-	30-34- 38	1.50-1.60	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
----------	60-76	20-33- 45	-34-	30-34- 38	1.55-1.65	1.00-10.00	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32			
----------	76-80	20-33- 45	-34-	30-34- 38	1.60-1.70	1.00-10.00	0.14-0.16	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					
93E2:														
Shelby, moderately eroded----------	0-7	20-33- 45	-37-	24-31- 35	1.45-1.55	1.00-10.00	0.17-0.19	3.0-5.9	2.2-3.2	.28	.28	5	6	48
----------	7-31	20-33- 45	-34-	30-34- 38	1.50-1.60	1.00-10.00	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
----------	31-48	20-33- 45	-37-	25-31- 36	1.55-1.65	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
----------	48-80	30-33- 60	-37-	25-31- 36	1.60-1.70	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
Adair, moderately eroded----------	0-7	15-23- 30	-46-	24-32- 40	1.45-1.55	1.00-10.00	0.17-0.19	3.0-5.0	2.2-3.2	.37	.37	3	6	48
----------	7-17	15-25- 35	-26-	38-49- 60	1.25-1.40	0.01-0.10	0.09-0.11	6.0-11.2	0.5-1.0	.24	.24			
----------	17-60	15-25- 35	-41-	30-34- 38	1.50-1.60	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
----------	60-76	20-33- 45	-34-	30-34- 38	1.55-1.65	1.00-10.00	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32			
----------	76-80	20-33- 45	-34-	30-34- 38	1.60-1.70	1.00-10.00	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32			
172:														
Wabash, occasionally flooded----------	0-6	1- 3- 4	-47-	40-50- 60	1.25-1.40	0.01-0.10	0.12-0.14	9.0-11.9	4.0-6.0	.28	.28	5	4	86
----------	6-19	1- 8- 14	-43-	40-50- 60	1.25-1.40	0.01-0.10	0.11-0.13	9.0-11.9	2.0-4.0	.28	.28			
----------	19-60	1- 8- 14	-43-	40-50- 60	1.25-1.40	0.01-0.10	0.10-0.12	9.0-11.9	1.0-2.0	.28	.28			
179E:														
Gara----------	0-7	20-35- 50	-42-	12-24- 35	1.45-1.55	1.00-10.00	0.20-0.22	3.0-5.9	2.5-3.5	.28	.28	5	6	48
----------	7-12	20-35- 50	-39-	18-27- 35	1.50-1.55	1.00-10.00	0.20-0.22	3.0-5.9	1.0-2.0	.32	.32			
----------	12-45	20-33- 45	-35-	25-33- 35	1.55-1.65	1.00-10.00	0.15-0.19	3.0-5.9	0.0-1.0	.32	.32			
----------	45-80	20-33- 45	-38-	24-30- 35	1.60-1.70	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.37	.37			
179F:														
Gara----------	0-7	20-35- 50	-42-	12-24- 35	1.45-1.55	1.00-10.00	0.20-0.22	3.0-5.9	2.5-3.5	.28	.28	5	6	48
----------	7-12	20-35- 50	-39-	18-27- 35	1.50-1.55	1.00-10.00	0.20-0.22	3.0-5.9	1.0-2.0	.32	.32			
----------	12-45	20-33- 45	-35-	25-33- 35	1.55-1.65	1.00-10.00	0.15-0.19	3.0-5.9	0.0-1.0	.32	.32			
----------	45-80	20-33- 45	-38-	24-30- 35	1.60-1.70	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.37	.37			
179G:														
Gara----------	0-11	-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
----------	11-43	-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			
----------	43-60	-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			

192D2:														
Adair, moderately eroded----------	0-7	15-23- 30	-46-	24-32- 40	1.45-1.55	1.00-10.00	0.17-0.19	3.0-5.0	2.2-3.2	.37	.37	3	6	48
----------	7-17	15-25- 35	-26-	38-49- 60	1.25-1.40	0.01-0.10	0.09-0.11	6.0-11.2	0.5-1.0	.24	.24			
----------	17-60	15-25- 35	-41-	30-34- 38	1.50-1.60	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
----------	60-76	20-33- 45	-34-	30-34- 38	1.55-1.65	1.00-10.00	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32			
----------	76-80	20-33- 45	-34-	30-34- 38	1.60-1.70	1.00-10.00	0.14-0.16	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					
220:														
Nodaway, occasionally flooded	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			
222C2:														
Clarinda, moderately eroded----------	0-6	1- 5- 14	-63-	25-33- 40	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	2.2-3.2	.37	.37	3	6	48
----------	6-80	1- 8- 14	-42-	40-50- 60	1.30-1.40	0.01-0.10	0.08-0.12	9.0-11.9	0.0-0.5	.32	.32			
222D:														
Clarinda----------	0-5	1- 5- 14	-63-	25-33- 40	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	3.0-4.0	.28	.28	3	6	48
----------	5-11	1- 5- 14	-63-	25-33- 40	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	3.0-4.0	.37	.37			
----------	11-19	1- 8- 14	-45-	40-48- 55	1.30-1.40	0.01-0.10	0.11-0.13	6.0-8.9	0.5-1.0	.32	.32			
----------	19-67	1- 8- 14	-43-	40-50- 60	1.30-1.40	0.01-0.10	0.08-0.10	9.0-11.9	0.0-0.5	.32	.32			
222D2:														
Clarinda, moderately eroded----------	0-6	1- 5- 14	-63-	25-33- 40	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	2.2-3.2	.37	.37	3	6	48
----------	6-80	1- 8- 14	-42-	40-50- 60	1.30-1.40	0.01-0.10	0.08-0.12	9.0-11.9	0.0-0.5	.32	.32			
222D3:														
Clarinda, severely eroded----------	0-4	1- 8- 14	-45-	40-48- 55	1.30-1.40	0.01-0.10	0.12-0.14	6.0-8.9	1.7-2.7	.28	.28	2	4	86
----------	4-80	1- 8- 14	-43-	40-50- 60	1.30-1.40	0.01-0.10	0.08-0.12	9.0-11.9	0.0-0.5	.32	.32			
248:														
Wabash, occasionally flooded----------	0-7	5-20- 20	-49-	27-31- 35	1.35-1.50	0.10-1.00	0.21-0.23	6.0-8.9	4.0-6.0	.32	.32	5	6	48
----------	7-15	5-10- 20	-53-	35-38- 40	1.35-1.50	0.10-1.00	0.21-0.23	6.0-8.9	4.0-6.0	.32	.32			
----------	15-36	1- 8- 14	-43-	40-50- 60	1.25-1.40	0.01-0.10	0.11-0.13	9.0-11.9	3.0-4.0	.28	.28			
----------	36-80	1- 8- 14	-43-	40-50- 60	1.25-1.40	0.01-0.10	0.10-0.12	9.0-11.9	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	20-40- 50	-35-	24-26- 27	1.50-1.55	1.00-10.00	0.20-0.22	3.0-5.9	3.0-4.0	.24	.24	5	6	48
----------	7-30	20-35- 50	-37-	22-28- 34	1.40-1.50	1.00-10.00	0.15-0.17	3.0-5.9	2.0-3.0	.32	.32			
----------	30-60	20-35- 50	-35-	27-31- 34	1.45-1.55	1.00-10.00	0.14-0.16	3.0-5.9	1.0-2.0	.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					
273C:														
Olmitz----------	0-7	20-40- 50	-35-	24-26- 27	1.50-1.55	1.00-10.00	0.20-0.22	3.0-5.9	3.0-4.0	.24	.24	5	6	48
----------	7-30	20-35- 50	-37-	22-28- 34	1.40-1.50	1.00-10.00	0.15-0.17	3.0-5.9	2.0-3.0	.32	.32			
----------	30-60	20-35- 50	-35-	27-31- 34	1.45-1.55	1.00-10.00	0.14-0.16	3.0-5.9	1.0-2.0	.32	.32			
337C2:														
Dickman, loamy substratum, moderately eroded---	0-6	40-53- 65	-34-	10-14- 18	1.50-1.60	10.00-100.00	0.16-0.18	0.0-2.9	1.0-2.0	.32	.32	5	3	86
----------	6-19	60-70- 80	-16-	10-14- 18	1.50-1.60	10.00-100.00	0.15-0.17	0.0-2.9	0.0-1.0	.24	.24			
----------	19-46	80-88- 95	- 6-	4- 7- 10	1.55-1.65	10.00-100.00	0.09-0.11	0.0-2.9	0.0-0.5	.24	.24			
----------	46-56	60-70- 80	-16-	10-14- 18	1.55-1.65	10.00-100.00	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
----------	56-69	80-90- 95	- 3-	4- 7- 10	1.60-1.70	10.00-100.00	0.05-0.07	0.0-2.9	0.0-0.5	.20	.20			
----------	69-80	1- 3- 5	-71-	25-26- 35	1.40-1.70	1.00-10.00	0.20-0.22	0.0-2.9	0.0-0.5	.49	.49			
Sharpsburg, moderately eroded---	0-8	1- 3- 5	-64-	27-34- 34	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	2.7-3.7	.37	.37	5	6	48
----------	8-21	1- 3- 5	-59-	36-38- 42	1.30-1.50	0.10-1.00	0.18-0.20	6.0-8.9	0.5-1.5	.37	.37			
----------	21-40	1- 3- 5	-63-	28-34- 38	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.3-1.0	.43	.43			
----------	40-48	1- 3- 5	-66-	28-32- 38	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.3-0.5	.43	.43			
----------	48-80	1- 3- 5	-68-	25-29- 35	1.40-1.70	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.49	.49			
337D2:														
Dickman, loamy substratum, moderately eroded---	0-6	40-53- 65	-34-	10-14- 18	1.50-1.60	10.00-100.00	0.16-0.18	0.0-2.9	1.0-2.0	.32	.32	5	3	86
----------	6-19	60-70- 80	-16-	10-14- 18	1.50-1.60	10.00-100.00	0.15-0.17	0.0-2.9	0.0-1.0	.24	.24			
----------	19-46	80-88- 95	- 6-	4- 7- 10	1.55-1.65	10.00-100.00	0.09-0.11	0.0-2.9	0.0-0.5	.24	.24			
----------	46-56	60-70- 80	-16-	10-14- 18	1.55-1.65	10.00-100.00	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
----------	56-69	80-90- 95	- 3-	4- 7- 10	1.60-1.70	100.00-705.0 0	0.05-0.07	0.0-2.9	0.0-0.5	.20	.20			
----------	69-80	1- 3- 5	-71-	25-26- 35	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.49	.49			
Sharpsburg, moderately eroded---	0-8	1- 3- 5	-64-	27-34- 34	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	2.7-3.7	.37	.37	5	6	48
----------	8-21	1- 3- 5	-59-	36-38- 42	1.30-1.50	0.10-1.00	0.18-0.20	6.0-8.9	0.5-1.5	.37	.37			
----------	21-40	1- 3- 5	-63-	28-34- 38	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.3-1.0	.43	.43			
----------	40-48	1- 3- 5	-66-	28-32- 38	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.3-0.5	.43	.43			
----------	48-80	1- 3- 5	-68-	25-29- 35	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.49	.49			
354:														
Aquolls, ponded------	---	--	--	--	---	---	---	---	---	---	---	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					
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			
369:														
Winterset----------	0-7	1- 3- 5	-66-	28-31- 35	1.30-1.40	1.00-10.00	0.21-0.23	0.0-2.9	5.0-6.0	.37	.37	5	6	48
----------	7-19	1- 3- 5	-63-	32-34- 36	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	4.0-5.0	.28	.28			
----------	19-58	1- 3- 5	-58-	36-39- 42	1.30-1.40	0.10-1.00	0.18-0.20	6.0-8.9	1.0-3.0	.37	.37			
----------	58-69	1- 3- 5	-66-	25-31- 35	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
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			
371C2:														
Sharpsburg, moderately eroded---	0-7	1- 3- 5	-66-	27-32- 34	1.30-1.35	1.00-10.00	0.21-0.23	3.0-5.9	2.7-3.7	.37	.37	5	6	48
----------	7-31	1- 3- 5	-58-	36-39- 42	1.35-1.40	0.10-1.00	0.18-0.20	6.0-8.9	0.0-1.0	.37	.37			
----------	31-70	1- 3- 5	-66-	25-32- 38	1.35-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
----------	70-80	1- 3- 5	-71-	25-26- 34	1.45-1.55	1.00-10.00	0.20-0.22	3.0-5.9	0.0-1.0	.49	.49			
Nira, moderately eroded----------	0-7	1- 3- 5	-65-	30-32- 34	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	2.2-3.2	.37	.37	5	6	48
----------	7-12	1- 3- 5	-63-	33-34- 38	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
----------	12-45	1- 3- 5	-65-	30-32- 34	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
----------	45-80	1- 3- 5	-69-	25-28- 30	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.49	.49			
371D2:														
Sharpsburg, moderately eroded---	0-7	1- 3- 5	-66-	27-32- 34	1.30-1.35	1.00-10.00	0.21-0.23	3.0-5.9	2.7-3.7	.37	.37	5	6	48
----------	7-31	1- 3- 5	-58-	36-39- 42	1.35-1.40	0.10-1.00	0.18-0.20	6.0-8.9	0.0-1.0	.37	.37			
----------	31-70	1- 3- 5	-66-	25-32- 38	1.35-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
----------	70-80	1- 3- 5	-71-	25-26- 34	1.45-1.55	1.00-10.00	0.20-0.22	3.0-5.9	0.0-1.0	.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					
Nira, moderately eroded----------	0-7	1- 3- 5	-65-	30-32- 34	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	2.2-3.2	.37	.37	5	6	48
----------	7-12	1- 3- 5	-63-	33-34- 38	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
----------	12-45	1- 3- 5	-65-	30-32- 34	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
----------	45-80	1- 3- 5	-69-	25-28- 30	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.49	.49			
421C2:														
Gara, moderately eroded----------	0-5	20-35- 50	-34-	27-31- 35	1.45-1.55	1.00-10.00	0.17-0.18	3.0-5.9	2.0-3.0	.28	.28	5	6	48
----------	5-43	20-33- 45	-35-	30-33- 35	1.55-1.65	1.00-10.00	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
----------	43-62	20-33- 45	-35-	30-33- 35	1.55-1.65	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
----------	62-80	20-33- 45	-38-	24-30- 35	1.60-1.70	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.37	.37			

Bucknell, moderately eroded----------	0-7	15-18- 30	-52-	25-30- 35	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	2.0-3.0	.37	.37	3	6	48
----------	7-34	15-23- 30	-33-	40-45- 50	1.35-1.45	0.01-0.10	0.09-0.11	6.0-8.9	0.0-0.5	.28	.28			
----------	34-71	30-38- 45	-29-	28-34- 40	1.50-1.60	1.00-10.00	0.14-0.16	3.0-5.9	0.0-0.5	.28	.28			
----------	71-80	30-38- 45	-29-	30-34- 40	1.60-1.70	1.00-10.00	0.14-0.16	3.0-5.9	0.0-0.5	.28	.28			
421D2:														
Gara, moderately eroded----------	0-5	20-35- 50	-34-	27-31- 35	1.45-1.55	1.00-10.00	0.17-0.18	3.0-5.9	2.0-3.0	.28	.28	5	6	48
----------	5-43	20-33- 45	-35-	30-33- 35	1.55-1.65	1.00-10.00	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
----------	43-62	20-33- 45	-35-	30-33- 35	1.55-1.65	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
----------	62-80	20-33- 45	-38-	24-30- 35	1.60-1.70	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.37	.37			
Bucknell, moderately eroded----------	0-7	15-18- 30	-52-	25-30- 35	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	2.0-3.0	.37	.37	3	6	48
----------	7-34	15-23- 30	-33-	40-45- 50	1.35-1.45	0.01-0.10	0.09-0.11	6.0-8.9	0.0-0.5	.28	.28			
----------	34-71	30-38- 45	-29-	28-34- 40	1.50-1.60	1.00-10.00	0.14-0.16	3.0-5.9	0.0-0.5	.28	.28			
----------	71-80	30-38- 45	-29-	30-34- 40	1.60-1.70	1.00-10.00	0.14-0.16	3.0-5.9	0.0-0.5	.28	.28			
421E2:														
Gara, moderately eroded----------	0-5	20-35- 50	-34-	27-31- 35	1.45-1.55	1.00-10.00	0.17-0.18	3.0-5.9	2.0-3.0	.28	.28	5	6	48
----------	5-43	20-33- 45	-35-	30-33- 35	1.55-1.65	1.00-10.00	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
----------	43-62	20-33- 45	-35-	30-33- 35	1.55-1.65	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
----------	62-80	20-33- 45	-38-	24-30- 35	1.60-1.70	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.37	.37			
Bucknell, moderately eroded----------	0-7	15-18- 30	-52-	25-30- 35	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	2.0-3.0	.37	.37	3	6	48
----------	7-34	15-23- 30	-33-	40-45- 50	1.35-1.45	0.01-0.10	0.09-0.11	6.0-8.9	0.0-0.5	.28	.28			
----------	34-71	30-38- 45	-29-	28-34- 40	1.50-1.60	1.00-10.00	0.14-0.16	3.0-5.9	0.0-0.5	.28	.28			
----------	71-80	30-38- 45	-29-	30-34- 40	1.60-1.70	1.00-10.00	0.14-0.16	3.0-5.9	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					
435:														
Zook, occasionally flooded----------	0-7	0- 2- 15	47-61- 68	32-36- 45	1.41-1.45	1.00-10.00	0.21-0.23	3.0-6.0	3.0-5.0	.32	.32	5	4	86
----------	7-20	0- 4- 15	46-60- 68	32-37- 45	1.24-1.39	0.10-1.00	0.21-0.23	6.0-9.0	2.0-4.0	.37	.37			
----------	20-38	0- 4- 15	41-55- 68	32-41- 45	1.37-1.43	0.01-0.10	0.11-0.13	6.0-9.0	1.0-2.0	.37	.37			
----------	38-61	0- 2- 15	45-58- 65	35-40- 45	1.42-1.46	0.10-1.00	0.18-0.20	6.0-9.0	1.0-2.0	.37	.37			
----------	61-80	0- 8- 15	40-59- 79	20-34- 45	1.43-1.51	1.00-10.00	0.18-0.20	3.0-6.0	0.5-1.5	.43	.43			
Mt. Sterling, occasionally flooded	0-7	5-10- 15	-68-	18-23- 27	1.45-1.55	1.00-10.00	0.22-0.24	3.0-5.9	1.0-3.0	.43	.43	5	6	48
----------	7-26	5-10- 15	-66-	18-24- 30	1.45-1.55	1.00-10.00	0.20-0.22	3.0-5.9	0.5-1.0	.55	.55			
----------	26-54	3- 7- 10	-54-	35-40- 45	1.30-1.45	0.10-1.00	0.18-0.20	6.0-8.9	0.0-1.0	.37	.37			
----------	54-80	3- 7- 10	-52-	35-42- 48	1.30-1.35	0.01-0.10	0.10-0.12	6.0-8.9	0.0-1.0	.37	.37			
469C2:														
Lamoni, moderately eroded----------	0-6	10-17- 30	-50-	27-34- 40	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	2.2-3.2	.37	.37	3	6	48
----------	6-23	10-15- 30	-38-	30-48- 55	1.25-1.40	0.01-0.10	0.09-0.11	6.0-8.9	0.5-2.0	.28	.28			
----------	23-55	20-30- 40	-36-	30-34- 38	1.50-1.60	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
----------	55-80	20-30- 40	-36-	30-34- 38	1.60-1.70	1.00-10.00	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32			
Clarinda, moderately eroded----------	0-6	1- 5- 14	-63-	25-33- 40	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	2.2-3.2	.37	.37	3	6	48

----------	6-80	1- 8- 14	-42-	40-50- 60	1.30-1.40	0.01-0.10	0.08-0.12	9.0-11.9	0.0-0.5	.32	.32			
Shelby, moderately eroded----------	0-7	20-33- 45	-37-	24-31- 35	1.45-1.55	1.00-10.00	0.17-0.19	3.0-5.9	2.2-3.2	.28	.28	5	6	48
----------	7-31	20-33- 45	-34-	30-34- 38	1.50-1.60	1.00-10.00	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
----------	31-48	20-33- 45	-37-	25-31- 36	1.55-1.65	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
----------	48-80	30-33- 60	-37-	25-31- 36	1.60-1.70	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
469C3:														
Lamoni, severely eroded----------	0-7	10-33- 35	-34-	27-34- 40	1.40-1.50	1.00-10.00	0.17-0.19	3.0-5.9	1.7-2.7	.32	.32	2	6	48
----------	7-14	10-20- 30	-33-	30-48- 55	1.25-1.40	0.01-0.10	0.09-0.11	6.0-8.9	0.3-1.0	.28	.28			
----------	14-48	20-30- 40	-36-	30-34- 38	1.50-1.60	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
----------	48-60	20-30- 40	-36-	30-34- 38	1.60-1.70	1.00-10.00	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32			
Clarinda, severely eroded----------	0-4	1- 8- 14	-45-	40-48- 55	1.30-1.40	0.01-0.10	0.12-0.14	6.0-8.9	1.7-2.7	.28	.28	2	4	86
----------	4-80	1- 8- 14	-43-	40-50- 60	1.30-1.40	0.01-0.10	0.08-0.12	9.0-11.9	0.0-0.5	.32	.32			
Shelby, severely eroded----------	0-2	20-33- 45	-37-	24-31- 35	1.50-1.60	1.00-10.00	0.17-0.19	3.0-5.9	1.2-2.2	.32	.32	4	6	48
----------	2-48	20-33- 45	-34-	30-34- 38	1.50-1.60	1.00-10.00	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
----------	48-62	30-33- 60	-37-	25-31- 36	1.55-1.65	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
----------	62-80	30-33- 60	-37-	25-31- 36	1.60-1.70	1.00-10.00	0.14-0.19	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					
470D2:														
Lamoni, moderately eroded----------	0-6	10-17- 30	-50-	27-34- 40	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	2.2-3.2	.37	.37	3	6	48
----------	6-23	10-15- 30	-38-	30-48- 55	1.25-1.40	0.01-0.10	0.09-0.11	6.0-8.9	0.5-2.0	.28	.28			
----------	23-55	20-30- 40	-36-	30-34- 38	1.50-1.60	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
----------	55-80	20-30- 40	-36-	30-34- 38	1.60-1.70	1.00-10.00	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32			
Shelby, moderately eroded----------	0-7	20-33- 45	-37-	24-31- 35	1.45-1.55	1.00-10.00	0.17-0.19	3.0-5.9	2.2-3.2	.28	.28	5	6	48
----------	7-31	20-33- 45	-34-	30-34- 38	1.50-1.60	1.00-10.00	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
----------	31-48	20-33- 45	-37-	25-31- 36	1.55-1.65	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
----------	48-80	30-33- 60	-37-	25-31- 36	1.60-1.70	1.00-10.00	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
545B:														
Zook----------	0-7	0- 2- 15	47-61- 68	32-36- 45	1.41-1.45	1.00-10.00	0.21-0.23	3.0-6.0	3.0-5.0	.32	.32	5	4	86
----------	7-20	0- 4- 15	46-60- 68	32-37- 45	1.24-1.39	0.10-1.00	0.21-0.23	6.0-9.0	2.0-4.0	.37	.37			
----------	20-38	0- 4- 15	41-55- 68	32-41- 45	1.37-1.43	0.01-0.10	0.11-0.13	6.0-9.0	1.0-2.0	.37	.37			
----------	38-61	0- 2- 15	45-58- 65	35-40- 45	1.42-1.46	0.10-1.00	0.18-0.20	6.0-9.0	1.0-2.0	.37	.37			
----------	61-80	0- 8- 15	40-59- 79	20-34- 45	1.43-1.51	1.00-10.00	0.18-0.20	3.0-6.0	0.5-1.5	.43	.43			
Ely----------	0-8	5-10- 20	-62-	22-28- 34	1.30-1.35	1.00-10.00	0.21-0.23	0.0-2.9	5.0-6.0	.32	.32	5	6	48
----------	8-24	5-10- 20	-62-	22-28- 34	1.30-1.35	1.00-10.00	0.21-0.23	3.0-5.9	4.0-5.0	.28	.28			
----------	24-58	5-10- 20	-59-	28-32- 35	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	1.0-3.0	.37	.37			
----------	58-80	5-10- 20	-63-	18-27- 35	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.5-1.0	.49	.49			
Gullied land---------	---	--	--	--	---	---	---	---	---	---	---	--	---	---
569C:														
Nira----------	0-7	1- 3- 5	-65-	30-32- 34	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	3.0-4.0	.37	.37	5	6	48
----------	7-11	1- 3- 5	-65-	30-32- 34	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	2.0-3.0	.37	.37			
----------	11-20	1- 3- 5	-63-	33-34- 38	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			

----------	20-40	1- 3- 5	-65-	25-32- 34	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
----------	40-80	1- 3- 5	-70-	25-28- 30	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.49	.49			
Clearfield----------	0-7	1- 3- 5	-62-	32-35- 38	1.30-1.40	0.10-1.00	0.21-0.23	3.0-5.9	3.0-4.0	.28	.28	5	6	48
----------	7-17	1- 3- 5	-62-	32-35- 38	1.30-1.40	0.10-1.00	0.18-0.20	3.0-5.9	2.0-3.0	.37	.37			
----------	17-54	1- 3- 5	-60-	32-37- 42	1.30-1.45	0.10-1.00	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
----------	54-71	1- 5- 10	-45-	35-50- 65	1.30-1.40	0.01-0.10	0.10-0.12	9.0-11.9	0.0-0.5	.32	.32			
579E3:														
Bucknell, severely eroded----------	0-3	15-23- 30	-48-	25-30- 35	1.45-1.55	1.00-10.00	0.17-0.19	3.0-5.9	1.2-2.2	.43	.43	2	6	48
----------	3-12	15-23- 30	-44-	27-34- 40	1.45-1.55	1.00-10.00	0.17-0.19	3.0-5.9	0.0-0.5	.37	.37			
----------	12-20	15-23- 30	-33-	40-45- 50	1.30-1.40	0.01-0.10	0.09-0.11	6.0-8.9	0.0-0.5	.28	.28			
----------	20-68	15-23- 30	-44-	28-34- 40	1.50-1.60	1.00-10.00	0.14-0.16	3.0-5.9	0.0-0.5	.37	.37			
----------	68-80	30-38- 45	-29-	30-34- 40	1.60-1.70	1.00-10.00	0.14-0.16	3.0-5.9	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					
Hedrick, severely eroded----------	0-2	1- 3- 5	-70-	20-27- 30	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	1.0-2.0	.43	.43	4	6	48
----------	2-22	1- 3- 5	-63-	32-35- 37	1.30-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
----------	22-63	1- 3- 5	-65-	30-33- 35	1.30-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
----------	63-80	1- 3- 5	-68-	25-30- 34	1.40-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.49	.49			
794C2:														
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			
Ladoga, moderately eroded----------	0-8	-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
----------	8-10	-25-	-53-	18-23- 27	1.30-1.35	1.00-10.00	0.22-0.24	0.0-2.9	0.5-1.0	.49	.49			
----------	10-39	- 7-	-54-	36-39- 42	1.30-1.40	0.10-1.00	0.18-0.20	6.1-8.0	0.5-1.0	.37	.37			
----------	39-60	-20-	-52-	24-28- 32	1.35-1.45	1.00-10.00	0.18-0.20	0.4-4.8	0.0-0.5	.49	.49			
822D2:														
Lamoni, moderately eroded----------	0-6	10-17- 30	-50-	27-34- 40	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	2.2-3.2	.37	.37	3	6	48
----------	6-23	10-15- 30	-38-	30-48- 55	1.25-1.40	0.01-0.10	0.09-0.11	6.0-8.9	0.5-2.0	.28	.28			
----------	23-55	20-30- 40	-36-	30-34- 38	1.50-1.60	1.00-10.00	0.15-0.17	3.0-5.9	0.0-0.5	.32	.32			
----------	55-80	20-30- 40	-36-	30-34- 38	1.60-1.70	1.00-10.00	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32			
870B:														
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			
870C2:														
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			

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					
870D2:														
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			
876B:														
Ladoga, terrace------	0-7	1- 3- 5	-71-	18-26- 35	1.45-1.55	1.00-10.00	0.22-0.24	3.0-5.9	2.5-3.5	.37	.37	5	6	48
----------	7-14	1- 3- 5	-72-	15-25- 35	1.45-1.55	1.00-10.00	0.22-0.24	3.0-5.9	0.5-1.0	.55	.55			
----------	14-51	1- 3- 5	-59-	35-38- 42	1.30-1.40	0.10-1.00	0.18-0.20	6.0-8.9	0.5-1.0	.37	.37			
----------	51-60	1- 3- 5	-71-	24-26- 32	1.45-1.55	1.00-10.00	0.20-0.22	3.0-5.9	0.0-0.5	.49	.49			
876C2:														
Ladoga, moderately eroded, terrace-----	0-8	-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
----------	8-10	-25-	-53-	18-23- 27	1.30-1.35	1.00-10.00	0.22-0.24	0.0-2.9	0.5-1.0	.49	.49			
----------	10-39	- 7-	-54-	36-39- 42	1.30-1.40	0.10-1.00	0.18-0.20	6.1-8.0	0.5-1.0	.37	.37			
----------	39-60	-20-	-52-	24-28- 32	1.35-1.45	1.00-10.00	0.18-0.20	0.4-4.8	0.0-0.5	.49	.49			
876D2:														
Ladoga, moderately eroded, terrace-----	0-8	-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
----------	8-10	-25-	-53-	18-23- 27	1.30-1.35	1.00-10.00	0.22-0.24	0.0-2.9	0.5-1.0	.49	.49			
----------	10-39	- 7-	-54-	36-39- 42	1.30-1.40	0.10-1.00	0.18-0.20	6.1-8.0	0.5-1.0	.37	.37			
----------	39-60	-20-	-52-	24-28- 32	1.35-1.45	1.00-10.00	0.18-0.20	0.4-4.8	0.0-0.5	.49	.49			
2368B:														
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			
Nira----------	0-7	1- 3- 5	-65-	30-32- 34	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	3.0-4.0	.37	.37	5	6	48
----------	7-11	1- 3- 5	-65-	30-32- 34	1.30-1.40	1.00-10.00	0.21-0.23	3.0-5.9	2.0-3.0	.37	.37			
----------	11-20	1- 3- 5	-63-	33-34- 38	1.30-1.40	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
----------	20-40	1- 3- 5	-65-	25-32- 34	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
----------	40-80	1- 3- 5	-70-	25-28- 30	1.35-1.45	1.00-10.00	0.18-0.20	3.0-5.9	0.0-0.5	.49	.49			
5030:														
Pits, limestone quarry----------	---	--	--	--	---	---	---	---	---	---	---	--	---	---
5040:														
Udorthents, loamy----	---	--	--	--	---	---	---	---	---	---	---	5	---	---

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					
5041:														
Udorthents, reclaimed	---	--	--	--	---	---	---	---	---	---	---	5	---	---
AW:														
Animal waste lagoon--	---	--	--	--	---	---	---	---	---	---	---	--	---	---
SL:														
Sewage lagoon--------	---	--	--	--	---	---	---	---	---	---	---	--	---	---
W:														
Water----------	---	--	--	--	---	---	---	---	---	---	---	--	---	---