EROSION FACTORS

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
IA117-Lucas County, Iowa														
13B														
Zook, occasionally flooded	50	2	0.0-2.0-5.0	249	d	5	48	Ap	0-8	SICL	7.0	59.0	34.0	6.00
								A1	8-20	SICL	7.0	57.0	36.0	6.00
								A2	20-38	SIC	7.0	52.0	41.0	3.00
								Bg	38-52	SICL	8.0	54.0	38.0	3.00
								BCg	52-61	SICL	9.0	57.0	34.0	3.00
								Cg	61-79	SICL	9.0	59.0	32.0	0.50
Vesser, occasionally flooded	15	2	0.0-3.0-5.0	249	c/d	5	48	Ap	0-8	SIL	11.0	66.0	23.0	3.50
								A	8-15	SIL	11.0	66.0	23.0	2.50
								E	15-31	SIL	10.0	70.0	20.0	1.50
								Btg	31-66	SICL	11.0	57.0	32.0	0.50
								BCg	66-79	SICL	11.0	57.0	32.0	0.25
23C														
Arispe	85	3	5.0-7.0-9.0	200	c/d	5	48	Ap	0-8	SICL	4.0	63.0	33.0	3.50
								AB	8-13	SICL	4.0	62.0	34.0	2.50
								Btg	13-53	SICL	3.0	58.0	39.0	0.75
								Cg	53-79	SICL	3.0	67.0	30.0	0.25
23C2														
Arispe	85	3	5.0-7.0-9.0	200	c/d	5	48	Ap	0-8	SICL	4.0	63.0	33.0	3.00
								Btg	8-49	SICL	3.0	58.0	39.0	0.75
								Cg	49-79	SICL	3.0	67.0	30.0	0.25
24D														
Shelby	100	3	9.0-12.0-14.0	151	c	5	48	H1	0-11	CL	35.4	33.6	31.0	3.50
								H2	11-56	CL	34.7	32.8	32.5	0.50
								H3	56-60	CL	34.7	32.8	32.5	0.50

Lucas County, Iowa EROSION FACTORS--Continued

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
24D2														
Shelby, moderately eroded	100	3	9.0-12.0-14.0	151	c	5	48	H1	0-6	CL	35.4	33.6	31.0	2.70
								H2	6-15	CL	34.7	32.8	32.5	1.50
								H3	15-50	CL	34.7	32.8	32.5	0.50
								H4	50-60	CL	34.7	32.8	32.5	0.25
24E2														
Shelby, moderately eroded	80	4	14.0-16.0-18.0	121	c	5	48	Ap	0-7	CL	35.0	34.0	31.0	2.50
								Bt	7-38	CL	34.0	32.0	34.0	0.81
								Btk	38-60	CL	34.0	33.0	33.0	0.17
								C	60-79	CL	36.0	34.0	30.0	0.30
24E3														
Shelby, severely eroded	90	6	14.0-16.0-18.0	151	c	4	48	Ap	0-5	CL	35.0	34.0	31.0	1.50
								Bt	5-38	CL	34.0	33.0	33.0	0.81
								Btk	38-60	CL	34.0	34.0	32.0	0.17
								BCk	60-79	CL	36.0	34.0	30.0	0.30
24F2														
Shelby, moderately eroded	100	6	18.0-22.0-25.0	98	c	5	48	H1	0-6	CL	35.4	33.6	31.0	2.70
								H2	6-15	CL	34.7	32.8	32.5	1.50
								H3	15-50	CL	34.7	32.8	32.5	0.50
								H4	50-60	CL	34.7	32.8	32.5	0.25
51														
Vesser, occasionally flooded	80	2	0.0-1.0-2.0	249	c/d	5	48	Ap	0-8	SIL	11.0	66.0	23.0	3.50
								A	8-15	SIL	11.0	66.0	23.0	2.50
								E	15-31	SIL	10.0	70.0	20.0	1.50
								Btg	31-66	SICL	11.0	57.0	32.0	0.50
								BCg	66-79	SICL	11.0	57.0	32.0	0.25

Lucas County, Iowa EROSION FACTORS--Continued

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
51+														
Vesser, overwash, occasionally flooded	90	2	0.0-1.0-2.0	200	c/d	5	48	Ap	0-8	SIL	9.5	67.5	23.0	2.00
								A	8-20	SIL	9.5	67.5	23.0	2.50
								E	20-39	SIL	11.4	68.6	20.0	1.50
								Btg, BCg	39-60	SICL	6.7	60.8	32.5	0.50
51B														
Vesser, rarely flooded	90	2	2.0-3.0-5.0	200	c/d	5	48	Ap	0-8	SIL	11.0	66.0	23.0	3.50
								A	8-15	SIL	11.0	66.0	23.0	2.50
								E	15-31	SIL	10.0	70.0	20.0	1.50
								Btg	31-66	SICL	11.0	57.0	32.0	0.50
								BCg	66-79	SICL	11.0	57.0	32.0	0.25
51B+														
Vesser, overwash,	90	2	2.0-4.0-5.0	249	c/d	5	48	H1	0-14	SIL	9.5	67.5	23.0	2.00

occasionally flooded														
								H2	14-33	SIL	11.4	68.6	20.0	1.50
								H3	33-60	SICL	6.7	60.8	32.5	0.50
54														
Zook, occasionally flooded	85	2	0.0-1.0-2.0	249	d	5	48	Ap	0-8	SICL	7.0	59.0	34.0	6.00
								A1	8-20	SICL	7.0	57.0	36.0	6.00
								A2	20-38	SIC	7.0	52.0	41.0	3.00
								Bg	38-52	SICL	8.0	54.0	38.0	3.00
								BCg	52-61	SICL	9.0	57.0	34.0	3.00
								Cg	61-79	SICL	9.0	59.0	32.0	0.50

Lucas County, Iowa EROSION FACTORS--Continued

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
54+														
Zook, occasionally flooded, overwash	90	2	0.0-1.0-2.0	249	c/d	5	48	Ap	0-8	SIL	12.5	64.5	23.0	2.50
								A1	8-33	SICL	7.5	56.5	36.0	6.00
								A2	33-51	SIC	7.5	51.5	41.0	3.00
								Bg	51-61	SICL	7.5	54.5	38.0	3.00
								BCg	61-74	SICL	9.0	57.0	34.0	3.00
								Cg	74-79	SICL	9.0	59.0	32.0	0.50
54B														
Zook, rarely flooded	90	2	2.0-3.0-5.0	200	d	5	48	Ap	0-8	SICL	7.0	59.0	34.0	6.00
								A1	8-20	SICL	7.0	57.0	36.0	6.00
								A2	20-38	SIC	7.0	52.0	41.0	3.00
								Bg	38-52	SICL	8.0	54.0	38.0	3.00
								BCg	52-61	SICL	9.0	57.0	34.0	3.00
								Cg	61-79	SICL	9.0	59.0	32.0	0.50
65E														
Lindley	85	6	14.0-16.0-18.0	121	c	5	48	A	0-9	L	45.0	33.0	22.0	2.50
								E	9-13	L	40.0	37.0	23.0	0.50
								Bt	13-30	CL	38.6	28.2	33.2	0.40
								Bk	30-79	CL	39.7	30.4	29.9	0.20
65E2														
Lindley, moderately eroded	85	6	14.0-16.0-18.0	98	c	5	56	Ap	0-8	L	45.0	33.0	22.0	1.70
								Bt	8-30	CL	38.6	28.2	33.2	0.40
								Bk	30-79	CL	39.7	30.4	29.9	0.20
65F														
Lindley	90	7	18.0-21.0-25.0	121	c	5	48	A	0-8	L	45.0	33.0	22.0	2.50
								Bt	8-30	CL	38.6	28.2	33.2	0.40
								Bk	30-79	CL	39.7	30.4	29.9	0.20

Lucas County, Iowa EROSION FACTORS--Continued

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
65F2														
Lindley, moderately eroded	85	7	18.0-22.0-25.0	59	c	5	56	A	0-5	L	45.0	44.0	11.0	1.70
								E	5-8	L	44.3	46.4	9.3	1.00
								Bt	8-30	CL	38.6	28.2	33.2	0.40
								Btk	30-79	CL	39.7	30.4	29.9	0.20
65G														
Lindley	85	7	25.0-33.0-40.0	98	c	5	48	A	0-5	L	40.0	37.0	23.0	2.50
								E	5-8	L	40.0	37.0	23.0	0.50
								Bt	8-30	CL	38.6	28.2	33.2	1.00
								Bk	30-79	CL	39.7	30.4	29.9	0.20
65G2														
Lindley, moderately eroded	95	7	25.0-33.0-40.0	98	c	5	48	H1	0-5	L	39.8	37.7	22.5	2.00
								H2	5-39	CL	33.5	36.5	30.0	0.55
								H3	39-60	CL	34.4	37.6	28.0	0.30
93D2														
Shelby, moderately eroded	60	3	9.0-12.0-14.0	151	c	5	48	H1	0-6	CL	35.4	33.6	31.0	2.70
								H2	6-15	CL	34.7	32.8	32.5	1.50
								H3	15-50	CL	34.7	32.8	32.5	0.50
								H4	50-60	CL	34.7	32.8	32.5	0.25
Adair, moderately eroded	40	4	9.0-12.0-14.0	151	d	3	86	H1	0-6	CL	29.7	31.8	38.5	2.70
								H2	6-30	C	22.7	28.3	49.0	0.75
								H3	30-60	CL	33.9	32.1	34.0	0.25

Lucas County, Iowa EROSION FACTORS--Continued

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
94D2														
Mystic, moderately eroded	55	4	9.0-12.0-14.0	151	c/d	3	48	Ap	0-6	SIL	24.0	50.0	26.0	2.50
								BE	6-9	CL	29.0	40.0	31.0	0.50
								Bt1	9-30	CL	28.5	36.5	35.0	0.25
								Bt2	30-54	CL	29.5	31.5	39.0	0.25
								BC	54-63	CL	34.0	30.0	36.0	0.25
								C	63-79	SR- SL L CL	65.1	14.9	20.0	0.25

Caleb, moderately eroded	35	4	9.0-11.0-14.0	151	c	5	48	Ap	0-8	L	30.0	46.0	24.0	2.50
								BE	8-13	L	35.0	45.0	20.0	0.50
								Bt1	13-34	CL	40.0	28.0	32.0	0.25
								Bt2	34-58	SR- CL SL	40.0	30.0	30.0	0.25
								BC	58-68	CL	40.0	30.0	30.0	0.25
								C	68-79	SR- CL SL	42.0	30.0	28.0	0.25
94E2														
Mystic, moderately eroded	60	6	14.0-16.0-18.0	98	c/d	3	48	H1	0-9	CL	35.4	33.6	31.0	2.50
								H2	9-51	CL	29.5	31.5	39.0	0.25
								H3	51-60	SCL	55.1	17.4	27.5	0.25
Caleb, moderately eroded	35	6	14.0-16.0-18.0	98	c	5	48	H1	0-7	L	38.8	36.7	24.5	2.50
								H2	7-43	CL	34.7	37.8	27.5	0.25
								H3	43-60	CL	34.7	37.8	27.5	0.25
131B														
Pershing	90	3	2.0-4.0-5.0	200	d	5	48	Ap	0-7	SIL	5.0	73.0	22.0	3.00
								BE	7-12	SICL	14.0	56.0	30.0	0.50
								Bt	12-55	SIC	7.0	52.0	41.0	0.25
								BC	55-79	SICL	12.0	58.0	30.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
131C														
Pershing	90	3	5.0-7.0-9.0	200	d	5	48	Ap	0-7	SIL	5.0	73.0	22.0	3.00
								BE	7-12	SICL	14.0	56.0	30.0	0.50
								Bt	12-55	SIC	7.0	52.0	41.0	0.25
								BC	55-79	SICL	12.0	58.0	30.0	0.25
131C2														
Pershing, moderately eroded	90	3	5.0-7.0-9.0	200	d	5	48	Ap	0-4	SICL	3.0	69.0	28.0	2.50
								BE	4-12	SICL	3.0	66.0	31.0	0.75
								Bt	12-55	SIC	3.0	56.0	41.0	0.25
								BC	55-79	SICL	3.0	65.0	32.0	0.25
131D2														
Pershing, moderately eroded	90	4	9.0-12.0-14.0	151	d	5	48	Ap	0-4	SICL	3.0	66.0	31.0	2.50
								BE	4-12	SICL	4.0	62.0	34.0	0.75
								Bt	12-55	SIC	2.0	54.0	44.0	0.25
								BC	55-79	SICL	3.0	66.0	31.0	0.25
132B														
Weller	90	3	2.0-4.0-5.0	200	d	5	48	Ap	0-7	SIL	4.0	76.0	20.0	2.50
								E	7-9	SIL	4.0	76.0	20.0	0.75
								BE	9-15	SICL	4.0	69.0	27.0	0.25
								Bt1	15-24	SIC	4.0	54.0	42.0	0.25
								Bt2	24-67	SICL	4.0	66.0	30.0	0.25
								BC	67-79	SICL	4.0	66.0	30.0	0.25
132C														
Weller	100	3	5.0-7.0-9.0	200	d	5	48	Ap, E	0-12	SIL	26.1	52.4	21.5	2.50
								Bt1,Bt 2,Bt3	12-43	SIC	7.5	54.5	38.0	0.25
								Bt4,Bt 5,BC	43-74	SICL	19.7	47.8	32.5	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
132C2														
Weller, moderately eroded	90	3	5.0-7.0-9.0	200	d	5	48	Ap	0-7	SICL	4.0	69.0	27.0	2.00
								BE	7-18	SICL	4.0	69.0	27.0	0.25
								Bt1	18-25	SIC	4.0	54.0	42.0	0.25
								Bt2	25-67	SICL	4.0	66.0	30.0	0.25
								BC	67-79	SICL	4.0	66.0	30.0	0.25
132D2														
Weller, moderately eroded	90	4	9.0-12.0-14.0	200	d	5	48	Ap	0-7	SICL	4.0	69.0	27.0	2.00
								BE	7-18	SICL	4.0	69.0	27.0	0.25
								Bt1	18-25	SIC	4.0	54.0	42.0	0.25
								Bt2	25-67	SICL	4.0	66.0	30.0	0.25
								BC	67-79	SICL	4.0	66.0	30.0	0.25
172														
Wabash, occasionally flooded	95	3	0.0-1.0-2.0	295	d	5	86	H1	0-8	SIC	10.0	48.0	42.0	5.00
								H2	8-60	SICL	10.0	48.0	42.0	5.00
										SIC	5.3	44.7	50.0	1.50
179D2														
Gara, moderately eroded	95	4	9.0-12.0-14.0	151	c	5	48	H1	0-7	CL	35.4	33.6	31.0	2.50
								H2	7-47	CL	35.3	33.2	31.5	0.25
								H3	47-60	CL	35.4	33.6	31.0	0.25
179E														
Gara	92	6	14.0-16.0-18.0	102	c	5	56	Ap	0-7	L	50.0	32.0	18.0	2.23
								E	7-10	L	50.0	32.0	18.0	2.23
								Bt1	10-31	CL	34.0	33.0	33.0	0.50
								Bt2	31-40	CL	34.0	33.0	33.0	0.50
								Ck	40-79	CL	34.0	34.0	32.0	0.17

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
179E2														
Gara, moderately eroded	94	6	14.0-17.0-20.0	102	c	5	48	Ap	0-6	CL	35.0	34.0	31.0	1.50
								Bt1	6-31	CL	34.0	33.0	33.0	0.50
								Bt2	31-40	CL	34.0	33.0	33.0	0.81
								C	40-79	CL	34.0	34.0	32.0	0.17
179E3														
Gara, severely eroded	95	6	14.0-16.0-18.0	98	c	4	48	H1	0-7	CL	35.4	33.6	31.0	1.50
								H2	7-47	CL	35.3	33.2	31.5	0.25
								H3	47-60	CL	35.4	33.6	31.0	0.25
179F														
Gara	85	6	18.0-22.0-25.0	121	c	5	48	A	0-7	L	34.0	42.0	24.0	3.00
								E	7-10	L	50.0	32.0	18.0	1.50
								Bt1	10-31	CL	34.0	33.0	33.0	0.50
								Bt2	31-40	CL	34.0	33.0	33.0	0.50
								BCk	40-79	CL	34.0	34.0	32.0	0.17
179F2														
Gara, moderately eroded	95	4	18.0-22.0-25.0	121	c	5	48	Ap	0-7	CL	35.0	34.0	31.0	2.50
								Bt1	7-31	CL	34.0	33.0	33.0	0.50
								Bt2	31-40	CL	34.0	33.0	33.0	0.50
								BCk	40-79	CL	34.0	34.0	32.0	0.17
179G2														
Gara, moderately eroded	100	7	25.0-33.0-40.0	98	c	5	48	H1	0-7	CL	35.4	33.6	31.0	2.50
								H2	7-47	CL	35.3	33.2	31.5	0.25
								H3	47-60	CL	35.4	33.6	31.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
192C2														
Adair, moderately eroded	85	3	5.0-7.0-9.0	151	c/d	3	48	Ap	0-8	CL	21.0	48.0	31.0	2.50
								2Bt1	8-17	C	25.0	26.0	49.0	0.75
								2Bt2	17-51	CL	25.0	41.0	34.0	0.25
								2Bk	51-68	CL	32.5	33.5	34.0	0.25
								2C	68-79	CL	32.5	33.5	34.0	0.25
192D2														
Adair, moderately eroded	85	4	9.0-12.0-14.0	151	c/d	3	48	Ap	0-8	CL	21.0	48.0	31.0	2.50
								2Bt1	8-17	C	25.0	26.0	49.0	0.75
								2Bt2	17-51	CL	25.0	41.0	34.0	0.25
								2Bk	51-68	CL	32.5	33.5	34.0	0.25
								2C	68-79	CL	32.5	33.5	34.0	0.25
211														
Edina	90	3	0.0-0.5-1.0	249	d	3	48	Ap	0-9	SIL	5.0	74.0	21.0	2.50
								E	9-18	SIL	5.0	75.0	20.0	0.75
								Btg	18-54	SIC	3.0	45.0	52.0	0.25
								Cg	54-79	SICL	3.0	62.0	35.0	0.25
222C														
Clarinda	85	4	5.0-7.0-9.0	200	d	3	48	Ap	0-8	SICL	4.0	64.0	32.0	3.20
								A	8-11	SICL	5.0	62.0	33.0	3.00
								2Bt	11-19	SIC	8.0	45.0	47.0	0.25
								2Btg	19-67	SIC	7.0	40.0	53.0	0.25
								2BC	67-79	SIC	8.0	47.0	45.0	0.25
222C2														
Clarinda, moderately eroded	85	4	5.0-7.0-9.0	200	d	3	48	Ap	0-8	SICL	5.0	62.0	33.0	2.50
								2Bt	8-16	SIC	8.0	45.0	47.0	0.25
								2Btg	16-67	SIC	7.0	40.0	53.0	0.25
								2BC	67-79	SIC	8.0	47.0	45.0	0.10

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
222C3														
Clarinda	85	6	5.0-7.0-9.0	200	d	2	48	Ap	0-8	SICL	5.0	62.0	33.0	1.50
								2Bt	8-12	SIC	8.0	45.0	47.0	0.25
								2Btg	12-60	SIC	7.0	40.0	53.0	0.25
								2BC	60-79	SIC	8.0	47.0	45.0	0.10
222D2														
Clarinda	85	4	9.0-12.0-14.0	164	d	3	48	Ap	0-8	SICL	5.0	62.0	33.0	2.50
								2Bt	8-16	SIC	8.0	45.0	47.0	0.25
								2Btg	16-67	SIC	7.0	40.0	53.0	0.25
								2BC	67-79	SIC	8.0	47.0	45.0	0.10
223C2														
Rinda, moderately eroded	90	4	5.0-7.0-9.0	200	d	3	48	Ap	0-9	SICL	7.0	60.0	33.0	2.50
								BE	9-16	SICL	5.0	60.0	35.0	0.75
								2Btg	16-79	SIC	14.0	42.0	44.0	0.25
223D2														
Rinda, moderately eroded	90	4	9.0-12.0-14.0	200	d	3	48	Ap	0-8	SICL	7.0	60.0	33.0	2.50
								BE	8-16	SICL	5.0	60.0	35.0	0.75
								2Btg	16-79	SIC	14.0	42.0	44.0	0.25

269														
Humeston, occasionally flooded	90	3	0.0-1.0-2.0	249	c/d	5	48	Ap	0-8	SICL	7.0	65.0	28.0	3.50
								A	8-11	SICL	7.0	65.0	28.0	3.50
								E	11-25	SIL	5.0	73.0	22.0	1.50
								BE	25-31	SICL	5.0	63.0	32.0	1.00
								Btg	31-72	SICL	7.0	54.0	39.0	1.25
								BCg	72-79	SICL	9.0	56.0	35.0	0.75

Lucas County, Iowa EROSION FACTORS--Continued

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
269+														
Humeston, overwash, occasionally flooded	95	3	0.0-1.0-2.0	295	d	5	48	H1	0-14	SIL	23.8	50.7	25.5	1.50
								H2	14-24	SIL	24.6	52.4	23.0	1.50
								H3	24-60	SIC	8.2	51.3	40.5	0.75
273B														
Olmitz	90	2	2.0-4.0-5.0	200	c	5	48	Ap	0-6	L	43.0	31.0	26.0	3.50
								A1	6-10	CL	45.0	28.0	27.0	2.50
								A2	10-16	CL	45.0	28.0	27.0	2.00
								A3	16-20	CL	45.0	28.0	27.0	2.00
								Bw	20-36	CL	42.0	30.0	28.0	1.30
								BC	36-79	CL	37.0	32.0	31.0	0.70
273C														
Olmitz	100	3	5.0-7.0-9.0	151	c	5	48	Ap	0-6	L	43.0	31.0	26.0	3.50
								A	6-28	CL	45.0	28.0	27.0	2.50
								Bw	28-48	CL	42.0	30.0	28.0	1.30
								BC	48-79	CL	37.0	32.0	31.0	0.70
312B														
Seymour	95	3	2.0-3.0-5.0	200	d	5	48	Ap	0-8	SIL	1.0	74.0	25.0	3.50
								A	8-13	SICL	2.0	64.0	34.0	2.50
								BA	13-19	SICL	2.0	59.0	39.0	0.75
								Btg	19-64	SIC	2.0	53.0	45.0	0.25
								BCg	64-79	SICL	3.0	63.0	34.0	0.25
312C2														
Seymour	85	3	5.0-7.0-9.0	200	d	5	48	Ap	0-8	SICL	2.0	64.0	34.0	2.50
								BA	8-15	SICL	2.0	59.0	39.0	0.75
								Btg	15-64	SIC	2.0	53.0	45.0	0.25
								BCg	64-79	SICL	3.0	63.0	34.0	0.25
354														
Aquolls, channeled, ponded	100	8	0.0-0.5-1.0	200	c/d	5	--	C	0-80	VAR	--	--	--	---

Lucas County, Iowa EROSION FACTORS--Continued

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
362														
Haig	90	2	0.0-1.0-2.0	249	d	5	48	Ap	0-7	SIL	10.0	65.0	25.0	4.00
								Bt	7-13	SICL	8.0	55.0	37.0	1.50
								Btg	13-38	SIC	7.0	48.0	45.0	0.50
								BC	38-79	SICL	18.0	48.0	34.0	0.25
364B														
Grundy	90	2	2.0-4.0-5.0	200	c/d	5	48	Ap	0-12	SICL	5.0	66.0	29.0	3.30
								Btg1	12-17	SIC	2.0	54.0	44.0	1.37
								Btg2	17-35	SIC	2.0	56.0	42.0	0.58
								Btg3	35-60	SICL	2.0	62.0	36.0	0.34
								Cg	60-79	SICL	2.0	63.0	35.0	0.34
423C2														
Bucknell	95	3	5.0-7.0-9.0	151	d	3	48	Ap	0-8	SICL	18.0	54.0	28.0	2.50
								2BE	8-11	SICL	18.0	53.0	29.0	0.50
								2Btg	11-18	SIC	11.0	40.0	49.0	0.25
								2Bt	18-43	CL	30.0	31.0	39.0	0.25
								2C	43-79	CL	33.0	35.0	32.0	0.25
423D														
Bucknell	85	4	9.0-12.0-14.0	151	d	3	48	Ap	0-8	SICL	18.0	54.0	28.0	2.50
								2BE	8-11	SICL	18.0	53.0	29.0	0.50
								2Btg	11-18	SIC	11.0	40.0	49.0	0.25
								2Bt	18-43	CL	30.0	31.0	39.0	0.25
								2C	43-79	CL	33.0	35.0	32.0	0.25
423D2														
Bucknell	85	4	9.0-13.0-14.0	151	d	3	48	Ap	0-7	SICL	18.0	53.0	29.0	2.50
								2BE	7-9	SICL	18.0	53.0	29.0	0.50
								2Btg	9-18	SIC	11.0	40.0	49.0	0.25
								2Bt	18-43	CL	30.0	31.0	39.0	0.25
								2C	43-79	CL	33.0	35.0	32.0	0.25
425D														
Keswick	90	4	9.0-12.0-14.0	151	d	3	48	A	0-12	L	38.0	37.0	25.0	2.50
								E	12-18	L	40.0	37.0	23.0	0.50
								2Bt	18-36	C	23.0	29.0	48.0	0.25
								2BC	36-79	CL	33.0	32.0	35.0	0.25

Lucas County, Iowa EROSION FACTORS--Continued

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
425D2														
Keswick, moderately eroded	90	4	9.0-12.0-14.0	151	d	3	48	Ap	0-7	CL	35.0	34.0	31.0	2.00
								2Bt	7-34	C	23.0	29.0	48.0	0.25
								2BC	34-79	CL	33.0	32.0	35.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
430														
Ackmore, occasionally flooded	90	2	0.0-1.0-2.0	295	c/d	5	48	H1	0-8	SIL	9.5	68.0	22.5	2.00
								H2	8-28	SIL	9.3	66.7	24.0	2.00
								H3	28-60	SICL	6.7	61.3	32.0	4.00
451D2														
Caleb, moderately eroded	90	4	9.0-13.0-14.0	151	c	5	48	Ap	0-8	L	30.0	46.0	24.0	2.50
								BE	8-13	L	35.0	45.0	20.0	0.50
								Bt1	13-34	CL	40.0	28.0	32.0	0.25
								Bt2	34-58	CL	40.0	30.0	30.0	0.25
								BC	58-68	CL	40.0	30.0	30.0	0.25
								C	68-79	CL	42.0	30.0	28.0	0.25
451E2														
Caleb, moderately eroded	90	6	14.0-16.0-18.0	151	c	5	48	Ap	0-8	L	30.0	46.0	24.0	2.50
								BE	8-13	L	35.0	45.0	20.0	0.50
								Bt1	13-34	CL	40.0	28.0	32.0	0.25
								Bt2	34-58	CL	40.0	30.0	30.0	0.25
								BC	58-68	CL	40.0	30.0	30.0	0.25
								C	68-79	CL	42.0	30.0	28.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
452C														
Lineville	90	3	5.0-7.0-9.0	200	c/d	5	48	Ap	0-8	SIL	18.0	57.0	25.0	2.50
								E	8-11	SIL	16.0	62.0	22.0	1.00
								Bt1	11-15	SICL	20.0	48.0	32.0	0.25
								2Bt2	15-33	CL	34.7	37.3	28.0	0.25
								3Bt3	33-55	CL	30.7	32.3	37.0	0.25
								3BC	55-79	CL	31.0	40.0	29.0	0.25
452C2														
Lineville, moderately eroded	90	3	5.0-7.0-9.0	200	c/d	5	48	Ap	0-8	SIL	18.0	57.0	25.0	1.50
								Bt1	8-15	SICL	20.0	48.0	32.0	0.25
								2Bt2	15-33	CL	34.7	37.3	28.0	0.25
								3Bt3	33-55	CL	30.7	32.3	37.0	0.25
								3BC	55-79	CL	31.0	40.0	29.0	0.25
453														
Tuskeego, rarely flooded	100	3	0.0-1.0-2.0	200	c/d	5	56	Ap	0-8	SIL	27.0	54.0	19.0	3.50
								E	8-19	SIL	27.0	54.0	19.0	1.50
								Bg	19-24	SICL	8.0	54.0	38.0	1.00
								Btg	24-60	SICL	18.1	47.9	34.0	0.50
Tuskeego, rarely flooded	95	3	0.0-1.0-2.0	200	c/d	5	48	Ap	0-8	SIL	6.0	68.0	26.0	3.50
								E	8-19	SIL	7.0	74.0	19.0	1.50
								Bg	19-24	SICL	6.0	56.0	38.0	1.00
								Btg	24-79	SICL	4.0	58.0	38.0	0.50

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
470D2														
Lamoni, moderately eroded	65	4	9.0-12.0-14.0	151	d	3	48	Ap	0-10	SICL	19.0	48.0	33.0	2.50
								2Bt	10-24	C	27.0	29.0	44.0	0.25
								2Btg	24-53	CL	31.0	33.0	36.0	0.25
								2BC	53-79	CL	32.0	31.0	37.0	0.25
Shelby, moderately eroded	25	3	9.0-12.0-14.0	151	c	5	48	Ap	0-7	CL	35.0	34.0	31.0	2.50
								Bt	7-49	CL	34.0	33.0	33.0	0.81
								Btk	49-60	CL	34.0	34.0	32.0	0.17
								BCk	60-79	CL	36.0	34.0	30.0	0.30
484														
Lawson, occasionally flooded	90	2	0.0-1.0-2.0	249	b/d	5	48	Ap	0-8	SIL	12.0	66.0	22.0	5.00
								A	8-30	SIL	11.0	69.0	20.0	5.00
								Cg	30-79	SIL	7.0	69.0	24.0	2.00
531B														
Kniffin	90	3	2.0-3.0-5.0	200	d	5	48	Ap	0-8	SIL	5.0	73.0	22.0	2.50
								E	8-14	SIL	5.0	69.0	26.0	1.50
								BE	14-19	SICL	4.0	64.0	32.0	0.75
								Btg1	19-40	SIC	2.0	49.0	49.0	0.75
								Btg2	40-60	SICL	2.0	62.0	36.0	0.25
								BCg	60-68	SICL	3.0	69.0	28.0	0.25
								Cg	68-79	SICL	3.0	69.0	28.0	0.25
531C														
Kniffin	85	3	5.0-7.0-9.0	200	d	5	48	Ap	0-8	SIL	5.0	73.0	22.0	2.20
								E	8-14	SIL	5.0	69.0	26.0	1.50
								BE	14-19	SICL	4.0	64.0	32.0	0.75
								Btg1	19-40	SIC	2.0	49.0	49.0	0.75
								Btg2	40-60	SICL	2.0	62.0	36.0	0.25
								BCg	60-68	SICL	3.0	69.0	28.0	0.25
								Cg	68-79	SICL	3.0	69.0	28.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
531C2														

Kniffin	90	3	5.0-7.0-9.0	200	d	5	48	Ap	0-8	SICL	5.0	67.0	28.0	1.50
								BE	8-14	SICL	4.0	64.0	32.0	0.75
								Btg1	14-40	SIC	2.0	49.0	49.0	0.75
								Btg2	40-60	SICL	2.0	62.0	36.0	0.25
								BCg	60-68	SICL	3.0	69.0	28.0	0.25
								Cg	68-79	SICL	3.0	69.0	28.0	0.25
587														
Chequest, occasionally flooded	85	2	0.0-1.0-2.0	200	c/d	5	48	Ap	0-7	SICL	14.0	54.0	32.0	3.50
								A	7-12	SICL	15.0	52.0	33.0	3.50
								Btg1	12-35	SICL	7.0	54.0	39.0	0.50
								Btg2	35-79	SICL	5.0	56.0	39.0	0.50
587+														
Chequest, overwash, occasionally flooded	90	2	0.0-1.0-2.0	295	c/d	5	48	Ap	0-8	SIL	24.6	52.4	23.0	2.00
								A1	8-12	SIL	24.6	52.4	23.0	2.00
								A2	12-24	SIL	24.6	52.4	23.0	3.50
								Btg	24-60	SICL	7.4	54.1	38.5	0.50
592C2														
Mystic, moderately eroded	90	3	5.0-7.0-9.0	200	c/d	3	48	Ap	0-6	CL	35.4	33.6	31.0	2.50
								BE	6-9	CL	29.0	40.0	31.0	0.50
								Bt1	9-30	CL	28.5	36.5	35.0	0.25
								Bt2	30-54	CL	29.5	31.5	39.0	0.25
								BC	54-63	CL	34.0	30.0	36.0	0.25
								C	63-79	SR- SL L CL	65.1	14.9	20.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
592D2														
Mystic, moderately eroded	90	4	9.0-12.0-14.0	151	c/d	3	48	Ap	0-6	CL	35.4	33.6	31.0	2.50
								BE	6-9	CL	29.0	40.0	31.0	0.50
								Bt1	9-30	CL	28.5	36.5	35.0	0.25
								Bt2	30-54	CL	29.5	31.5	39.0	0.25
								BC	54-63	CL	34.0	30.0	36.0	0.25
								C	63-79	SR- SL L CL	65.1	14.9	20.0	0.25
711														
Lawson, occasionally flooded	40	2	0.0-1.0-2.0	249	b/d	5	48	Ap	0-8	SIL	12.0	66.0	22.0	5.00
								A	8-30	SIL	11.0	69.0	20.0	5.00
								Cg	30-60	SIL	7.0	69.0	24.0	2.00
Nodaway, occasionally flooded	30	2	0.0-1.0-2.0	249	b	5	48	Ap	0-8	SIL	8.0	70.0	22.0	3.00
								C1	8-31	SR- SIL SICL	7.0	70.0	23.0	0.25
								C2	31-42	SR- SIL SICL	7.0	70.0	23.0	0.25
								C3	42-80	SR- SIL SICL	7.0	70.0	23.0	0.25
Colo, occasionally flooded	20	2	0.0-1.0-2.0	249	c/d	5	48	Ap	0-8	SICL	6.8	61.7	31.5	6.00
								A	8-40	SICL	6.7	60.8	32.5	3.50
								Bg	40-46	SICL	6.7	60.8	32.5	3.50
								BCg	46-52	SICL	6.9	63.1	30.0	1.50
								Cg	52-60	SIL	6.9	67.1	26.0	1.50

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
716														
Lawson, occasionally flooded	30	2	0.0-1.0-2.0	249	b/d	5	48	Ap	0-8	SIL	12.0	66.0	22.0	5.00
								A	8-30	SIL	11.0	69.0	20.0	5.00
								Cg	30-80	SIL	7.0	69.0	24.0	2.00
Quiver, occasionally flooded	25	2	0.0-1.0-2.0	249	c/d	5	48	Ap	0-8	SICL	7.0	62.0	31.0	2.00
								Cg	8-80	SICL	7.0	62.0	31.0	0.50
Nodaway, occasionally flooded	20	2	0.0-1.0-2.0	249	b	5	48	Ap	0-8	SIL	8.0	70.0	22.0	3.00
								C1	8-31	SR- SIL SICL	7.0	70.0	23.0	0.25
								C2	31-42	SR- SIL SICL	7.0	70.0	23.0	0.25
								C3	42-80	SR- SIL SICL	7.0	70.0	23.0	0.25
792C														
Armstrong	100	3	5.0-7.0-9.0	200	d	3	48	Ap	0-7	L	30.0	46.0	24.0	2.50
								E	7-11	L	30.0	48.0	22.0	1.50
								BE	11-14	CL	37.5	32.5	30.0	0.75
								Bt1	14-18	CL	37.5	28.5	34.0	0.50
								2Bt2,2Bt3	18-31	C	35.0	17.0	48.0	0.50
								2Bt4,2Bt5	31-60	CL	37.5	29.5	33.0	0.50
								2BC,2C	60-80	CL	37.7	31.3	31.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
792C2														
Armstrong, moderately eroded	96	3	5.0-7.0-9.0	213	d	3	48	Ap	0-5	CL	35.0	34.0	31.0	1.50
								2Bt1	5-11	CL	22.0	41.0	37.0	1.20
								2Bt2	11-31	C	17.0	39.0	44.0	0.51
								2Btg	31-79	CL	25.0	38.0	37.0	0.20
792D														
Armstrong	85	4	9.0-12.0-14.0	151	d	3	48	A	0-9	L	34.0	42.0	24.0	2.50
								E	9-13	L	50.0	32.0	18.0	0.75
								BE	13-16	L	50.0	32.0	18.0	0.75
								Bt1	16-20	CL	37.5	32.5	30.0	0.50
								2Bt2	20-30	CL	22.0	41.0	37.0	0.50
								2Bt3	30-41	C	25.0	31.0	44.0	0.51
								2Bt4	41-48	CL	25.0	38.0	37.0	0.20
								2C	48-79	CL	34.0	34.0	32.0	0.17
792D2														
Armstrong, moderately eroded	100	4	9.0-12.0-14.0	151	d	3	48	Ap	0-8	CL	30.0	40.0	30.0	2.00
								BE	8-11	CL	37.5	32.5	30.0	0.75
								Bt1	11-14	CL	37.5	28.5	34.0	0.50
								2Bt2,2Bt3	14-26	C	35.0	17.0	48.0	0.50
								2Bt4,2Bt5	26-54	CL	37.5	29.5	33.0	0.50
								2BC,2C	54-80	CL	37.7	31.3	31.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
792D3														
Armstrong, severely eroded	100	6	9.0-12.0-14.0	151	d	2	48	Ap	0-8	CL	30.0	40.0	30.0	1.50
								Bt1	8-11	CL	37.5	28.5	34.0	0.50
								2Bt2,2Bt3	11-23	C	35.0	17.0	48.0	0.50
								2Bt4,2Bt5	23-51	CL	37.5	29.5	33.0	0.50
								2BC,2C	51-80	CL	37.7	31.3	31.0	0.25
822C														
Lamoni	85	3	5.0-7.0-9.0	200	d	3	48	Ap	0-9	SICL	19.0	48.0	33.0	3.50
								A	9-16	SICL	22.0	44.0	34.0	3.50
								2Bt	16-24	C	27.0	29.0	44.0	0.25
								2Btg	24-53	CL	31.0	33.0	36.0	0.25
								2BC	53-79	CL	32.0	31.0	37.0	0.25
822C2														
Lamoni, moderately eroded	95	3	5.0-7.0-9.0	200	d	3	48	H1	0-6	SICL	18.7	47.8	33.5	2.70
								H2	6-34	C	26.9	29.1	44.0	1.25
								H3	34-60	CL	30.9	33.1	36.0	0.25
822D														
Lamoni	90	4	9.0-12.0-14.0	151	d	3	48	Ap	0-9	SICL	19.0	48.0	33.0	3.50
								A	9-16	SICL	22.0	44.0	34.0	3.50
								2Bt	16-24	C	27.0	29.0	44.0	0.25
								2Btg	24-53	CL	31.0	33.0	36.0	0.25
								2BC	53-79	CL	32.0	31.0	37.0	0.25
822D2														
Lamoni	90	4	9.0-12.0-14.0	151	d	3	48	Ap	0-11	SICL	19.0	48.0	33.0	3.00
								2Bt	11-24	C	27.0	29.0	44.0	0.25
								2Btg	24-53	CL	31.0	33.0	36.0	0.25
								2BC	53-79	CL	32.0	31.0	37.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
831B														
Pershing, terrace	95	3	2.0-4.0-5.0	200	d	5	48	Ap	0-8	SIL	3.0	73.0	24.0	3.00
								BE	8-13	SICL	3.0	66.0	31.0	0.75
								Bt	13-60	SIC	3.0	56.0	41.0	0.25
								BC	60-79	SICL	3.0	65.0	32.0	0.25
831C														
Pershing, terrace	95	3	5.0-7.0-9.0	200	d	5	48	Ap	0-8	SIL	7.0	69.0	24.0	3.00
								BE	8-13	SICL	4.0	62.0	34.0	0.75
								Bt	13-60	SIC	2.0	54.0	44.0	0.25
								BC	60-79	SICL	3.0	66.0	31.0	0.25
831C2														
Pershing, moderately eroded, terrace	90	3	5.0-7.0-9.0	200	d	5	48	Ap	0-4	SICL	3.0	69.0	28.0	2.50
								BE	4-12	SICL	3.0	66.0	31.0	0.75
								Bt	12-55	SIC	3.0	56.0	41.0	0.25
								BC	55-79	SICL	3.0	65.0	32.0	0.25
894D2														
Bucknell, moderately eroded	65	4	9.0-12.0-14.0	151	d	3	48	H1	0-6	SICL	19.7	47.8	32.5	2.50
								H2	6-49	C	26.9	29.1	44.0	0.25
								H3	49-60	CL	33.3	31.7	35.0	0.25
Gara, moderately	35	4	9.0-12.0-14.0	151	c	5	48	H1	0-7	CL	35.4	33.6	31.0	2.50

eroded								H2	7-47	CL	35.3	33.2	31.5	0.25
								H3	47-60	CL	35.4	33.6	31.0	0.25

Lucas County, Iowa EROSION FACTORS--Continued

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
993D2														
Gara, moderately eroded	45	4	9.0-12.0-14.0	151	c	5	48	Ap	0-7	CL	35.0	34.0	31.0	2.50
								Bt1	7-31	CL	34.0	33.0	33.0	0.50
								Bt2	31-40	CL	34.0	33.0	33.0	0.50
								BCk	40-79	CL	34.0	34.0	32.0	0.17
Armstrong, moderately eroded	40	4	9.0-12.0-14.0	151	d	3	48	Ap	0-8	CL	35.0	34.0	31.0	1.50
								BE	8-11	L	50.0	32.0	18.0	1.50
								Bt1	11-14	CL	22.0	41.0	37.0	1.20
								2Bt2	14-26	C	25.0	31.0	44.0	0.51
								2Bt3	26-54	CL	25.0	38.0	37.0	0.20
								2C	54-79	CL	34.0	34.0	32.0	0.17
1313D2														
Munterville, moderately eroded	90	6	9.0-12.0-14.0	151	d	5	48	Ap	0-8	SICL	15.0	55.0	30.0	2.00
								BE	8-13	SICL	20.0	50.0	30.0	1.00
								Bt	13-17	SICL	15.0	46.0	39.0	0.25
								2Bt	17-47	SIC	11.0	40.0	49.0	0.25
								2C	47-75	SIC	9.0	41.0	50.0	0.25
								2Cr	75-79	BR	--	--	--	---
1313E2														
Munterville, moderately eroded	90	6	14.0-16.0-18.0	151	d	5	48	Ap	0-8	SICL	15.0	55.0	30.0	2.00
								BE	8-13	SICL	20.0	50.0	30.0	1.00
								Bt	13-17	SICL	15.0	46.0	39.0	0.25
								2Bt	17-47	SIC	11.0	40.0	49.0	0.25
								2C	47-75	SIC	9.0	41.0	50.0	0.25
								2Cr	75-79	BR	--	--	--	---

Lucas County, Iowa EROSION FACTORS--Continued

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
1313F														
Munterville	85	7	18.0-21.0-25.0	151	d	5	48	A	0-4	SIL	15.0	61.0	24.0	2.50
								E	4-8	SIL	20.0	55.0	25.0	1.50
								Bt	8-17	SICL	15.0	46.0	39.0	0.25
								2Bt	17-47	SIC	11.0	40.0	49.0	0.25
								2C	47-75	SIC	9.0	41.0	50.0	0.25
								2Cr	75-79	BR	--	--	--	---
1313F2														
Munterville, moderately eroded	85	6	18.0-22.0-25.0	151	d	5	48	Ap	0-8	SICL	15.0	55.0	30.0	2.00
								BE	8-13	SICL	20.0	50.0	30.0	1.00
								Bt	13-17	SICL	15.0	46.0	39.0	0.25
								2Bt	17-47	SIC	11.0	40.0	49.0	0.25
								2C	47-75	SIC	9.0	41.0	50.0	0.25
								2Cr	75-79	BR	--	--	--	---

Lucas County, Iowa EROSION FACTORS--Continued

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
1711														
Lawson, channeled, frequently flooded	35	5	0.0-1.0-2.0	249	b/d	5	48	Ap	0-8	SIL	12.0	66.0	22.0	5.00
								A	8-30	SIL	11.0	69.0	20.0	5.00
								Cg	30-60	SIL	7.0	69.0	24.0	2.00
Nodaway, channeled, frequently flooded	25	5	0.0-1.0-2.0	249	b	5	48	Ap	0-8	SIL	8.0	70.0	22.0	3.00
								C1	8-31	SR- SIL SICL	7.0	70.0	23.0	0.25
								C2	31-42	SR- SIL SICL	7.0	70.0	23.0	0.25
								C3	42-80	SR- SIL SICL	7.0	70.0	23.0	0.25
Colo, channeled, frequently flooded	20	5	0.0-1.0-2.0	249	c/d	5	48	Ap	0-8	SICL	6.8	61.7	31.5	6.00
								A	8-40	SICL	6.7	60.8	32.5	3.50
								Bg	40-46	SICL	6.7	60.8	32.5	3.50
								BCg	46-52	SICL	6.9	63.1	30.0	1.50
								Cg	52-60	SIL	6.9	67.1	26.0	1.50

Lucas County, Iowa EROSION FACTORS--Continued

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
1716														
Lawson,	30	5	0.0-1.0-2.0	249	b/d	5	48	Ap	0-8	SIL	12.0	66.0	22.0	5.00

channeled, frequently flooded														
								A	8-30	SIL	11.0	69.0	20.0	5.00
								Cg	30-80	SIL	7.0	69.0	24.0	2.00
Quiver, channeled, frequently flooded	25	5	0.0-1.0-2.0	249	c/d	5	48	A	0-8	SICL	7.0	62.0	31.0	2.00
								Cg	8-80	SICL	7.0	62.0	31.0	0.50
Nodaway, channeled, frequently flooded	20	5	0.0-1.0-2.0	249	b	5	48	Ap	0-8	SIL	8.0	70.0	22.0	3.00
								C1	8-31	SR- SIL SICL	7.0	70.0	23.0	0.25
								C2	31-42	SR- SIL SICL	7.0	70.0	23.0	0.25
								C3	42-80	SR- SIL SICL	7.0	70.0	23.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
IA181-Warren County, Iowa														
7														
Wiota, rarely flooded	95	1	0.0-1.0-2.0	249	c	5	48	H1	0-22	SIL	9.4	67.1	23.5	4.00
								H2	22-38	SICL	6.7	60.3	33.0	2.50
								H3	38-60	SICL	7.0	63.5	29.5	0.50
7B														
Wiota	95	2	2.0-4.0-5.0	200	c	5	48	H1	0-22	SIL	9.4	67.1	23.5	3.50
								H2	22-38	SICL	6.7	60.3	33.0	2.50
								H3	38-60	SICL	7.0	63.5	29.5	0.50
8B														
Judson	90	2	2.0-4.0-5.0	200	c	5	48	Ap	0-9	SICL	4.0	67.0	29.0	3.80
								A	9-22	SICL	4.0	66.0	30.0	2.60
								AB	22-28	SICL	4.0	66.0	30.0	2.00
								Bt	28-35	SICL	4.0	65.0	31.0	1.00
								BC	35-52	SICL	4.0	66.0	30.0	0.50
								C	52-79	SICL	4.0	66.0	30.0	0.30
11B														
Colo	60	2	2.0-4.0-5.0	200	c/d	5	48	H1	0-25	SICL	6.8	61.7	31.5	6.00
								H2	25-40	SICL	6.7	60.8	32.5	3.50
								H3	40-60	SICL	6.9	63.1	30.0	1.50
Ely	40	2	2.0-4.0-5.0	200	c/d	5	48	H1	0-22	SICL	7.1	64.4	28.5	5.50
								H2	22-55	SICL	6.8	61.7	31.5	2.00
								H3	55-60	SIL	9.1	65.9	25.0	0.75
23C														
Arispe	85	3	5.0-7.0-9.0	200	c/d	5	48	Ap	0-8	SICL	4.0	63.0	33.0	3.50
								AB	8-13	SICL	4.0	62.0	34.0	2.50
								Btg	13-53	SICL	3.0	58.0	39.0	0.75
								Cg	53-79	SICL	3.0	67.0	30.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
23C2														
Arispe	85	3	5.0-7.0-9.0	200	c/d	5	48	Ap	0-8	SICL	4.0	63.0	33.0	3.00
								Btg	8-49	SICL	3.0	58.0	39.0	0.75
								Cg	49-79	SICL	3.0	67.0	30.0	0.25
24F2														
Shelby, moderately eroded	95	6	18.0-22.0-25.0	102	c	5	48	H1	0-7	CL	35.4	33.6	31.0	2.70
								H2	7-11	CL	34.7	32.8	32.5	1.50
								H3	11-44	CL	34.7	32.8	32.5	0.50
								H4	44-60	CL	34.7	32.8	32.5	0.25
43														
Bremer, occasionally flooded	95	2	0.0-1.0-2.0	249	c/d	5	48	Ap	0-8	SICL	18.0	50.5	31.5	6.00
								A	8-19	SICL	18.0	50.5	31.5	6.00
								Btg	19-42	SICL	18.2	43.3	38.5	1.50
								BCg, Cg	42-60	SICL	16.9	48.1	35.0	0.75
51														
Vesser, occasionally flooded	95	2	0.0-1.0-2.0	249	c/d	5	48	H1	0-12	SIL	9.5	67.5	23.0	3.50
								H2	12-26	SIL	11.4	68.6	20.0	1.50
								H3	26-60	SICL	6.7	60.8	32.5	0.50
51B														
Vesser, occasionally flooded	95	2	2.0-4.0-5.0	200	c/d	5	48	H1	0-12	SIL	9.5	67.5	23.0	3.00
								H2	12-26	SIL	11.4	68.6	20.0	1.50
								H3	26-60	SICL	6.7	60.8	32.5	0.50

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
54														

Zook, occasionally flooded	85	2	0.0-1.0-2.0	200	d	5	86	Ap	0-7	SICL	3.0	61.0	36.0	4.50
								A1	7-20	SICL	3.0	60.0	37.0	3.20
								A2	20-38	SIC	4.0	55.0	41.0	2.00
								Bg	38-61	SICL	3.0	59.0	38.0	1.70
								Cg	61-79	SICL	5.0	60.0	35.0	1.40
63C2														
Chelsea, moderately eroded	100	4	5.0-7.0-9.0	151	a	5	134	H1	0-5	LFS	87.0	1.5	11.5	0.50
								H2	5-60	LFS	85.9	6.6	7.5	0.25
63D2														
Chelsea, eroded	100	7	9.0-14.0-18.0	98	a	5	134	Ap/E	0-8	LFS	85.0	10.0	5.0	0.50
								E	8-36	FS	92.0	5.0	3.0	0.25
								E and Bt	36-70	FS	92.0	4.0	4.0	0.25
65D														
Lindley	90	4	9.0-12.0-14.0	121	c	5	48	H1	0-8	L	39.8	37.7	22.5	2.50
								H2	8-47	CL	33.5	36.5	30.0	0.55
								H3	47-60	CL	34.4	37.6	28.0	0.30
65E														
Lindley	85	6	14.0-16.0-18.0	121	c	5	48	H1	0-8	L	39.8	37.7	22.5	2.50
								H2	8-47	CL	33.5	36.5	30.0	0.55
								H3	47-60	CL	34.4	37.6	28.0	0.30
65E3														
Lindley, severely eroded	90	7	14.0-16.0-18.0	121	c	4	48	H1	0-6	CL	35.4	33.6	31.0	1.20
								H2	6-40	CL	33.5	36.5	30.0	0.55
								H3	40-60	CL	34.4	37.6	28.0	0.30

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
65F														
Lindley	100	7	18.0-22.0-25.0	102	c	5	48	H1	0-8	L	39.8	37.7	22.5	2.50
								H2	8-47	CL	33.5	36.5	30.0	0.55
								H3	47-60	CL	34.4	37.6	28.0	0.30
65G														
Lindley	100	7	25.0-33.0-40.0	102	c	5	48	H1	0-8	L	39.8	37.7	22.5	2.50
								H2	8-47	CL	33.5	36.5	30.0	0.55
								H3	47-60	CL	34.4	37.6	28.0	0.30
69C														
Clearfield	90	3	5.0-7.0-9.0	151	c/d	5	48	H1	0-18	SICL	17.3	47.7	35.0	3.50
								H2	18-41	SICL	7.7	56.3	36.0	0.75
								H3	41-60	SIC	7.2	47.8	45.0	0.25
69C2														
Clearfield, moderately eroded	85	3	5.0-7.0-9.0	151	c/d	5	48	H1	0-18	SICL	17.3	47.7	35.0	2.70
								H2	18-41	SICL	7.7	56.3	36.0	0.75
								H3	41-60	SIC	7.2	47.8	45.0	0.25
75														
Givin	95	1	0.0-1.0-2.0	249	c/d	5	48	H1	0-11	SIL	26.0	52.0	22.0	3.50
								H2	11-53	SICL	7.4	53.6	39.0	0.75
								H3	53-60	SICL	17.3	52.2	30.5	0.25
76B														
Ladoga	95	2	2.0-4.0-5.0	200	c	5	48	H1	0-9	SIL	24.8	52.7	22.5	3.00
								H2	9-42	SICL	7.4	53.6	39.0	0.75
								H3	42-60	SICL	19.9	52.1	28.0	0.25
76C														
Ladoga	95	3	5.0-7.0-9.0	151	c	5	48	H1	0-9	SIL	24.8	52.7	22.5	3.00
								H2	9-42	SICL	7.4	53.6	39.0	0.75
								H3	42-60	SICL	19.9	52.1	28.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
76C2														
Ladoga, moderately eroded	85	3	5.0-7.0-9.0	151	c	5	48	H1	0-9	SIL	24.8	52.7	22.5	2.50
								H2	9-42	SICL	7.4	53.6	39.0	0.75
								H3	42-60	SICL	19.9	52.1	28.0	0.25
76D2														
Ladoga, moderately eroded	85	3	9.0-12.0-14.0	121	c	5	48	H1	0-9	SIL	24.8	52.7	22.5	2.50
								H2	9-42	SICL	7.4	53.6	39.0	0.75
								H3	42-60	SICL	19.9	52.1	28.0	0.25
80B														
Clinton	95	2	2.0-4.0-5.0	200	c	5	48	Ap	0-8	SIL	3.0	75.0	22.0	2.50
								E	8-15	SIL	3.0	77.0	20.0	1.00
								Bt1	15-20	SICL	2.0	65.0	33.0	0.75
								Bt2	20-27	SICL	2.0	60.0	38.0	0.50
								Bt3	27-39	SICL	2.0	61.0	37.0	0.30
								Bt4	39-47	SICL	2.0	63.0	35.0	0.30
								Bt5	47-58	SICL	2.0	65.0	33.0	0.30
								Bt6	58-72	SICL	3.0	66.0	31.0	0.20
								C	72-79	SICL	4.0	68.0	28.0	0.20
80C2														
Clinton, eroded	90	3	5.0-7.0-9.0	200	c	5	48	Ap	0-6	SIL	3.0	75.0	22.0	2.00
								BE	6-11	SICL	3.0	69.0	28.0	1.00
								Bt1	11-16	SICL	2.0	65.0	33.0	0.75
								Bt2	16-23	SICL	2.0	60.0	38.0	0.50
								Bt3	23-35	SICL	2.0	61.0	37.0	0.30
								Bt4	35-43	SICL	2.0	63.0	35.0	0.30
								Bt5	43-54	SICL	2.0	65.0	33.0	0.30
								Bt6	54-68	SICL	3.0	66.0	31.0	0.20

								C	68-79	SICL	4.0	68.0	28.0	0.20

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
80D2														
Clinton, eroded	85	3	9.0-11.0-14.0	151	c	5	48	Ap	0-6	SIL	3.0	75.0	22.0	2.00
								BE	6-11	SICL	3.0	69.0	28.0	1.00
								Bt1	11-16	SICL	2.0	65.0	33.0	0.75
								Bt2	16-23	SICL	2.0	60.0	38.0	0.50
								Bt3	23-35	SICL	2.0	61.0	37.0	0.30
								Bt4	35-43	SICL	2.0	63.0	35.0	0.30
								Bt5	43-54	SICL	2.0	65.0	33.0	0.30
								Bt6	54-68	SICL	3.0	66.0	31.0	0.20
								C	68-79	SICL	4.0	68.0	28.0	0.20
88														
Nevin, rarely flooded	90	1	0.0-1.0-2.0	249	c/d	5	48	H1	0-22	SICL	7.1	64.9	28.0	5.00
								H2	22-43	SICL	6.7	60.8	32.5	1.50
								H3	43-60	SICL	6.9	62.6	30.5	0.25
88B														
Nevin, rarely flooded	95	2	2.0-4.0-5.0	200	c/d	5	48	H1	0-22	SICL	7.1	64.9	28.0	5.00
								H2	22-43	SICL	6.7	60.8	32.5	1.50
								H3	43-60	SICL	6.9	62.6	30.5	0.25
93D2														
Adair, moderately eroded	50	4	9.0-12.0-14.0	121	d	3	86	H1	0-7	CL	29.7	31.8	38.5	2.70
								H2	7-42	C	22.7	28.3	49.0	0.75
								H3	42-60	CL	33.9	32.1	34.0	0.25
Shelby, moderately eroded	30	3	9.0-12.0-14.0	121	c	5	48	H1	0-7	CL	35.4	33.6	31.0	2.70
								H2	7-11	CL	34.7	32.8	32.5	1.50
								H3	11-44	CL	34.7	32.8	32.5	0.50
								H4	44-60	CL	34.7	32.8	32.5	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
93E2														
Adair, moderately eroded	50	6	14.0-16.0-18.0	121	d	3	86	H1	0-7	CL	29.7	31.8	38.5	2.70
								H2	7-42	C	22.7	28.3	49.0	0.75
								H3	42-60	CL	33.9	32.1	34.0	0.25
Shelby, moderately eroded	30	4	14.0-16.0-18.0	121	c	5	48	H1	0-7	CL	35.4	33.6	31.0	2.70
								H2	7-11	CL	34.7	32.8	32.5	1.50
								H3	11-44	CL	34.7	32.8	32.5	0.50
								H4	44-60	CL	34.7	32.8	32.5	0.25
93E3														
Adair, severely eroded	50	7	14.0-16.0-18.0	121	d	2	48	Ap	0-8	CL	25.0	44.0	31.0	2.20
								2Bt1	8-16	C	15.0	36.0	49.0	0.25
								2Bt2	16-35	CL	33.9	32.1	34.0	0.25
								2BC, 2C	35-80	CL	33.9	32.1	34.0	0.25
Shelby, severely eroded	30	6	14.0-16.0-18.0	121	c	4	48	H1	0-6	CL	35.4	33.6	31.0	2.00
								H2	6-36	CL	34.7	32.8	32.5	0.50
								H3	36-60	CL	34.7	32.8	32.5	0.50
94D2														
Mystic, moderately eroded	50	4	9.0-12.0-14.0	121	d	3	48	H1	0-8	SIL	23.8	50.7	25.5	2.50
								H2	8-32	SIC	8.0	52.0	40.0	0.25
								H3	32-40	CL	34.7	37.8	27.5	0.25
								H4	40-60	SR- CL	44.9	35.1	20.0	0.25
Caleb, moderately eroded	30	4	9.0-12.0-14.0	121	c	5	48	H1	0-8	L	38.8	36.7	24.5	2.50
								H2	8-39	CL	34.7	37.8	27.5	0.25
								H3	39-60	SCL	57.0	18.0	25.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
94E2														
Mystic, moderately eroded	50	6	14.0-16.0-18.0	121	d	3	48	H1	0-8	SIL	23.8	50.7	25.5	2.50
								H2	8-32	SIC	8.0	52.0	40.0	0.25
								H3	32-40	CL	34.7	37.8	27.5	0.25
								H4	40-60	SR- CL	44.9	35.1	20.0	0.25
Caleb, moderately eroded	30	6	14.0-16.0-18.0	121	c	5	48	H1	0-8	L	38.8	36.7	24.5	2.50
								H2	8-39	CL	34.7	37.8	27.5	0.25
								H3	39-60	SCL	57.0	18.0	25.0	0.25
119														
Muscatine	95	1	0.0-1.0-2.0	298	c/d	5	48	Ap	0-7	SICL	3.0	67.0	30.0	5.00
								A	7-16	SICL	3.0	67.0	30.0	5.00
								AB	16-20	SICL	4.0	63.0	33.0	2.50

								Btg	20-42	SICL	5.0	62.0	33.0	1.00
								BCg	42-79	SIL	5.0	70.0	25.0	0.50
120														
Tama	95	1	0.0-1.0-2.0	298	c	5	48	Ap	0-6	SICL	3.0	70.0	27.0	3.50
								A1	6-10	SICL	3.0	69.0	28.0	3.00
								A2	10-14	SICL	3.0	69.0	28.0	3.00
								BA	14-18	SICL	3.0	66.0	31.0	1.50
								Bt1	18-32	SICL	3.0	64.0	33.0	1.00
								Bt2	32-45	SICL	3.0	66.0	31.0	1.00
								BC	45-60	SICL	3.0	69.0	28.0	0.30
120B														
Tama	95	2	2.0-4.0-5.0	200	c	5	48	Ap	0-6	SICL	3.0	70.0	27.0	3.50
								A1	6-10	SICL	3.0	69.0	28.0	3.00
								A2	10-14	SICL	3.0	69.0	28.0	3.00
								BA	14-18	SICL	3.0	66.0	31.0	1.50
								Bt1	18-32	SICL	3.0	64.0	33.0	1.00
								Bt2	32-45	SICL	3.0	66.0	31.0	1.00
								BC	45-60	SICL	3.0	69.0	28.0	0.30

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
120C2														
Tama, eroded	90	3	5.0-7.0-9.0	200	c	5	48	Ap	0-6	SICL	3.0	67.0	30.0	3.00
								BA	6-12	SICL	3.0	66.0	31.0	1.50
								Bt1	12-20	SICL	3.0	64.0	33.0	1.00
								Bt2	20-33	SICL	3.0	66.0	31.0	1.00
								BC	33-60	SICL	3.0	69.0	28.0	0.30
120D2														
Tama, eroded	90	3	9.0-12.0-14.0	151	c	5	48	Ap	0-6	SICL	3.0	67.0	30.0	3.00
								BA	6-12	SICL	3.0	66.0	31.0	1.50
								Bt1	12-20	SICL	3.0	64.0	33.0	1.00
								Bt2	20-33	SICL	3.0	66.0	31.0	1.00
								BC	33-60	SICL	3.0	69.0	28.0	0.30
122														
Sperry	95	3	0.0-0.5-1.0	249	d	3	48	Ap	0-8	SIL	26.5	53.5	20.0	3.50
								A	8-10	SIL	26.5	53.5	20.0	3.50
								E	10-17	SIL	26.5	53.5	20.0	0.75
								Btg1	17-28	SICL	6.9	58.1	35.0	0.75
								Btg2, Btg 3	28-47	SIC	6.9	51.6	41.5	0.75
								Btg4, Btg5	47-79	SICL	17.8	52.2	30.0	0.25
131B														
Pershing	90	3	2.0-4.0-5.0	200	d	5	48	Ap	0-7	SIL	5.0	73.0	22.0	3.00
								BE	7-12	SICL	14.0	56.0	30.0	0.50
								Bt	12-55	SIC	7.0	52.0	41.0	0.25
								BC	55-79	SICL	12.0	58.0	30.0	0.25
131C2														
Pershing, moderately eroded	90	3	5.0-7.0-9.0	200	d	5	48	Ap	0-4	SIL	5.0	73.0	22.0	2.50
								BE	4-12	SICL	14.0	56.0	30.0	0.50
								Bt	12-55	SIC	7.0	52.0	41.0	0.25
								BC	55-79	SICL	12.0	58.0	30.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
131D2														
Pershing, moderately eroded	85	4	9.0-12.0-14.0	121	c/d	5	48	H1	0-7	SIL	24.5	52.0	23.5	2.50
								H2	7-13	SICL	20.0	49.0	31.0	0.50
								H3	13-43	SICL	7.9	53.1	39.0	0.25
								H4	43-60	SICL	20.0	48.0	32.0	0.25
132B														
Weller	90	3	2.0-4.0-5.0	200	d	5	48	Ap	0-7	SIL	4.0	76.0	20.0	2.50
								E	7-9	SIL	4.0	76.0	20.0	0.75
								BE	9-15	SICL	4.0	69.0	27.0	0.25
								Bt1	15-24	SIC	4.0	54.0	42.0	0.25
								Bt2	24-67	SICL	4.0	66.0	30.0	0.25
								BC	67-79	SICL	4.0	66.0	30.0	0.25
132C2														
Weller, moderately eroded	90	3	5.0-7.0-9.0	200	d	5	48	Ap	0-7	SIL	4.0	76.0	20.0	2.00
								BE	7-18	SICL	4.0	69.0	27.0	0.25
								Bt1	18-25	SIC	4.0	54.0	42.0	0.25
								Bt2	25-67	SICL	4.0	66.0	30.0	0.25
								BC	67-79	SICL	4.0	66.0	30.0	0.25
133														
Colo, occasionally flooded	85	2	0.0-1.0-2.0	200	c/d	5	48	Ap	0-8	SICL	6.0	64.0	30.0	6.00
								A	8-34	SICL	6.0	63.0	31.0	3.00
								Bg	34-46	SICL	4.0	63.0	33.0	1.70
								BCg	46-52	SICL	5.0	63.0	32.0	1.10
								Cg	52-79	SICL	6.0	64.0	30.0	1.00

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
133B														
Colo, occasionally flooded	95	2	2.0-4.0-5.0	200	c/d	5	48	Ap	0-8	SICL	6.0	64.0	30.0	6.00
								A	8-34	SICL	6.0	63.0	31.0	3.00

								Bg	34-46	SICL	4.0	63.0	33.0	1.70
								BCg	46-52	SICL	5.0	63.0	32.0	1.10
								Cg	52-79	SICL	6.0	64.0	30.0	1.00
172														
Wabash, occasionally flooded	95	3	0.0-1.0-2.0	249	d	5	86	H1	0-60	SIC	7.7	49.3	43.0	5.00
179D2														
Gara, moderately eroded	90	4	9.0-12.0-14.0	121	c	5	48	H1	0-14	L	39.8	37.7	22.5	2.50
								H2	14-40	CL	35.3	33.2	31.5	0.25
								H3	40-60	CL	35.4	33.6	31.0	0.25
179E2														
Gara, moderately eroded	90	6	14.0-16.0-18.0	121	c	5	48	H1	0-14	L	39.8	37.7	22.5	2.50
								H2	14-40	CL	35.3	33.2	31.5	0.25
								H3	40-60	CL	35.4	33.6	31.0	0.25
179F2														
Gara, moderately eroded	85	7	18.0-22.0-25.0	102	c	5	48	H1	0-14	L	39.8	37.7	22.5	2.50
								H2	14-40	CL	35.3	33.2	31.5	0.25
								H3	40-60	CL	35.4	33.6	31.0	0.25
179G														
Gara	95	7	25.0-33.0-40.0	102	c	5	48	H1	0-14	L	39.8	37.7	22.5	3.00
								H2	14-40	CL	35.3	33.2	31.5	0.50
								H3	40-60	CL	35.4	33.6	31.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
185D2														
Bauer, moderately eroded	85	6	9.0-12.0-14.0	121	d	3	48	Ap	0-8	SIL	24.1	50.9	25.0	2.70
								2Bw	8-26	C	17.1	27.9	55.0	0.25
								2Cr	26-60	BR	--	--	--	---
185E2														
Bauer, moderately eroded	90	7	14.0-16.0-18.0	121	d	3	48	Ap	0-8	SIL	24.1	50.9	25.0	2.70
								2Bw	8-26	C	17.1	27.9	55.0	0.25
								2Cr	26-60	BR	--	--	--	---
185E3														
Bauer, severely eroded	90	7	14.0-16.0-18.0	121	d	2	48	Ap	0-12	SICL	24.1	51.4	24.5	1.70
								2Bw	12-26	C	17.1	27.9	55.0	0.25
								2Cr	26-60	BR	--	--	--	---
212														
Kennebec, occasionally flooded	90	1	0.0-1.0-2.0	249	b	5	48	H1	0-41	SIL	9.2	66.3	24.5	5.00
								H2	41-60	SIL	9.1	64.9	26.0	1.50
220														
Nodaway, occasionally flooded	90	2	0.0-1.0-2.0	200	b	5	48	Ap	0-7	SIL	9.0	66.0	25.0	2.80
								C	7-79	SIL	10.0	67.0	23.0	1.80
222C														
Clarinda	85	4	5.0-7.0-9.0	200	d	3	48	Ap	0-8	SICL	4.0	64.0	32.0	3.20
								A	8-11	SICL	5.0	62.0	33.0	3.00
								2Bt	11-19	SIC	8.0	45.0	47.0	0.25
								2Btg	19-67	SIC	7.0	40.0	53.0	0.25
								2BC	67-79	SIC	8.0	47.0	45.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
222C2														
Clarinda, moderately eroded	85	4	5.0-7.0-9.0	200	d	3	48	Ap	0-8	SICL	5.0	62.0	33.0	2.50
								2Bt	8-16	SIC	8.0	45.0	47.0	0.25
								2Btg	16-67	SIC	7.0	40.0	53.0	0.25
								2BC	67-79	SIC	8.0	47.0	45.0	0.10
222D2														
Clarinda, moderately eroded	95	4	9.0-12.0-14.0	121	d	3	48	H1	0-14	SICL	19.7	47.8	32.5	2.70
								H2	14-42	SIC	5.3	44.7	50.0	0.75
								H3	42-60	SIC	5.3	44.7	50.0	0.25
248														
Wabash, occasionally flooded	95	3	0.0-1.0-2.0	249	d	5	48	H1	0-9	SICL	20.0	49.0	31.0	5.00
								H2	9-60	SIC	5.3	44.7	50.0	1.50
269														
Humeston, occasionally flooded	95	3	0.0-1.0-2.0	249	c/d	5	48	Ap	0-8	SIL	15.0	59.0	26.0	3.50
								A	8-13	SIL	15.0	59.0	26.0	3.50
								E1,E2	13-22	SIL	15.0	62.0	23.0	1.50
								BE	22-26	SICL	12.5	55.0	32.5	1.00
								Btg1,Btg2	26-50	SICL	7.5	53.5	39.0	1.25
								BCg	50-60	SICL	10.0	56.0	34.0	0.75
273B														

Olmitz	90	2	2.0-4.0-5.0	200	c	5	48	Ap	0-7	L	30.0	45.0	25.0	4.10
								A	7-30	CL	27.0	43.0	30.0	2.80
								Bw	30-60	CL	27.0	43.0	30.0	0.80

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
273C														
Olmitz	95	3	5.0-7.0-9.0	200	c	5	48	Ap	0-7	L	30.0	45.0	25.0	4.10
								A	7-30	CL	27.0	43.0	30.0	2.80
								Bw	30-60	CL	27.0	43.0	30.0	0.80
315														
Alluvial Land, Frequently flooded	85	5	0.0-1.0-2.0	249	a	5	134	H1	0-9	LS	84.9	9.1	6.0	1.25
								H2	9-60	LS	84.9	9.1	6.0	0.25
368														
Macksburg	90	1	0.0-1.0-2.0	249	c/d	5	48	Ap	0-6	SICL	3.0	66.5	30.5	5.00
								A1,BA	6-24	SICL	3.0	66.5	30.5	4.00
								Bt,Btg	24-42	SICL	3.0	58.0	39.0	2.50
								BCg,Cg	42-73	SICL	3.0	68.0	29.0	1.50
368B														
Macksburg	90	2	2.0-4.0-5.0	200	c/d	5	48	Ap	0-6	SICL	3.0	66.5	30.5	5.00
								A1,BA	6-24	SICL	3.0	66.5	30.5	4.00
								Bt,Btg	24-42	SICL	3.0	58.0	39.0	2.50
								BCg,Cg	42-73	SICL	3.0	68.0	29.0	1.50
369														
Winterset	90	2	0.0-1.0-2.0	249	d	5	48	H1	0-19	SICL	20.0	49.0	31.0	5.50
								H2	19-50	SIC	8.0	52.0	40.0	3.50
								H3	50-60	SICL	18.7	47.8	33.5	0.50
370														
Sharpsburg	95	1	0.0-1.0-2.0	200	c	5	48	Ap	0-8	SICL	2.0	65.0	33.0	3.80
								A	8-17	SICL	2.0	63.0	35.0	3.00
								Bt1	17-31	SICL	2.0	60.0	38.0	0.80
								Bt2	31-38	SICL	2.0	64.0	34.0	0.40
								BC	38-46	SICL	2.0	66.0	32.0	0.30
								C	46-79	SICL	2.0	69.0	29.0	0.30

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
370B														
Sharpsburg	90	2	2.0-4.0-5.0	200	c	5	48	Ap	0-8	SICL	2.0	65.0	33.0	3.80
								A	8-17	SICL	2.0	63.0	35.0	3.00
								Bt1	17-31	SICL	2.0	60.0	38.0	0.80
								Bt2	31-38	SICL	2.0	64.0	34.0	0.40
								BC	38-46	SICL	2.0	66.0	32.0	0.30
								C	46-79	SICL	2.0	69.0	29.0	0.30
370C														
Sharpsburg	90	3	5.0-7.0-9.0	200	c	5	48	Ap	0-8	SICL	2.0	65.0	33.0	3.80
								A	8-17	SICL	2.0	63.0	35.0	3.00
								Bt1	17-31	SICL	2.0	60.0	38.0	0.80
								Bt2	31-38	SICL	2.0	64.0	34.0	0.40
								BC	38-46	SICL	2.0	66.0	32.0	0.30
								C	46-79	SICL	2.0	69.0	29.0	0.30
370C2														
Sharpsburg, eroded	90	3	5.0-7.0-9.0	200	c	5	48	Ap	0-7	SICL	2.0	64.0	34.0	3.10
								Bt1	7-21	SICL	2.0	60.0	38.0	0.80
								Bt2	21-40	SICL	2.0	64.0	34.0	0.40
								BC	40-48	SICL	2.0	66.0	32.0	0.30
								Cg	48-79	SICL	2.0	69.0	29.0	0.30
370D2														
Sharpsburg, eroded	85	3	9.0-12.0-14.0	151	c	5	48	Ap	0-7	SICL	2.0	64.0	34.0	3.10
								Bt1	7-21	SICL	2.0	60.0	38.0	0.80
								Bt2	21-40	SICL	2.0	64.0	34.0	0.40
								BC	40-48	SICL	2.0	66.0	32.0	0.30
								Cg	48-79	SICL	2.0	69.0	29.0	0.30
422														
Amana, occasionally flooded	95	2	0.0-1.0-2.0	249	b/d	5	48	H1	0-16	SIL	9.5	68.0	22.5	4.00
								H2	16-44	SIL	9.3	66.7	24.0	1.50
								H3	44-60	SIL	11.2	66.8	22.0	0.50

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
425D														
Keswick	90	4	9.0-12.0-14.0	121	d	3	48	H1	0-11	L	38.8	36.7	24.5	2.50
								H2	11-43	C	23.3	29.2	47.5	0.25
								H3	43-60	CL	33.3	31.7	35.0	0.25
427C2														
Ladoga, moderately eroded	70	3	5.0-7.0-9.0	151	c	5	48	H1	0-9	SIL	24.8	52.7	22.5	1.70
								H2	9-42	SICL	7.4	53.6	39.0	0.75
								H3	42-60	SICL	19.9	52.1	28.0	0.25
Chelsea, moderately eroded	30	4	5.0-7.0-9.0	151	a	5	134	H1	0-17	LFS	87.0	1.5	11.5	0.50
								H2	17-60	LFS	85.9	6.6	7.5	0.25
427D2														
Ladoga,	50	3	9.0-12.0-14.0	121	c	5	48	H1	0-9	SIL	24.8	52.7	22.5	1.70

moderately eroded														
								H2	9-42	SICL	7.4	53.6	39.0	0.75
								H3	42-60	SICL	19.9	52.1	28.0	0.25
Chelsea, moderately eroded	30	4	9.0-12.0-14.0	121	a	5	134	H1	0-17	LFS	87.0	1.5	11.5	0.50
								H2	17-60	LFS	85.9	6.6	7.5	0.25
428B														
Ely	95	2	2.0-4.0-5.0	200	c/d	5	48	H1	0-22	SICL	7.1	64.4	28.5	5.50
								H2	22-55	SICL	6.8	61.7	31.5	2.00
								H3	55-60	SIL	9.1	65.9	25.0	0.75
430														
Ackmore, occasionally flooded	90	2	0.0-1.0-2.0	200	c/d	5	48	Ap	0-6	SIL	5.0	71.0	24.0	2.00
								C	6-25	SIL	5.0	69.0	26.0	2.00
								Ab	25-60	SICL	4.0	64.0	32.0	4.00

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
434D														
Arbor	95	3	9.0-12.0-14.0	121	c	5	48	H1	0-18	L	38.0	36.0	26.0	3.50
								H2	18-43	CL	34.7	32.8	32.5	1.25
								H3	43-60	CL	35.4	33.6	31.0	0.25
451D2														
Caleb, moderately eroded	85	4	9.0-12.0-14.0	121	c	5	48	H1	0-8	L	38.8	36.7	24.5	2.50
								H2	8-39	CL	34.7	37.8	27.5	0.25
								H3	39-60	SCL	57.0	18.0	25.0	0.25
570B														
Nira	95	2	2.0-4.0-5.0	200	c	5	48	H1	0-9	SICL	6.9	62.1	31.0	3.50
								H2	9-44	SICL	6.6	59.4	34.0	0.75
								H3	44-60	SICL	7.0	64.0	29.0	0.25
570C2														
Nira, moderately eroded	95	3	5.0-7.0-9.0	151	c	5	48	H1	0-9	SICL	6.9	62.1	31.0	2.70
								H2	9-44	SICL	6.6	59.4	34.0	0.50
								H3	44-60	SICL	7.0	64.0	29.0	0.25
592C2														
Mystic, moderately eroded	95	3	5.0-7.0-9.0	151	d	3	48	H1	0-8	SIL	23.8	50.7	25.5	2.50
								H2	8-32	SIC	8.2	51.3	40.5	0.25
								H3	32-40	CL	34.7	37.8	27.5	0.25
								H4	40-60	SR- CL	44.9	35.1	20.0	0.25
592D2														
Mystic, moderately eroded	95	4	9.0-12.0-14.0	121	d	3	48	H1	0-8	SIL	23.8	50.7	25.5	2.50
								H2	8-32	SIC	8.2	51.3	40.5	0.25
								H3	32-40	CL	34.7	37.8	27.5	0.25
								H4	40-60	SR- CL	44.9	35.1	20.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
687B														
Watkins	95	2	1.0-3.0-4.0	200	c	5	48	H1	0-15	SIL	11.3	67.7	21.0	3.00
								H2	15-49	SICL	6.9	63.1	30.0	1.50
								H3	49-60	SICL	7.1	64.4	28.5	0.50
792D2														
Armstrong, moderately eroded	90	4	9.0-12.0-14.0	121	d	3	48	Ap	0-8	L	30.0	46.0	24.0	2.00
								BE	8-11	CL	37.5	32.5	30.0	0.75
								Bt1	11-14	CL	37.5	28.5	34.0	0.50
								2Bt2,2Bt3	14-26	C	35.0	17.0	48.0	0.50
								2Bt4,2Bt5	26-54	CL	37.5	29.5	33.0	0.50
								2BC,2C	54-80	CL	37.7	31.3	31.0	0.25
822D2														
Lamoni, moderately eroded	95	4	9.0-12.0-14.0	121	d	3	48	H1	0-11	SICL	18.7	47.8	33.5	2.70
								H2	11-50	C	26.9	29.1	44.0	1.25
								H3	50-60	CL	30.9	33.1	36.0	0.25
822D3														
Lamoni, severely eroded	95	6	9.0-12.0-14.0	121	d	2	86	H1	0-7	SIC	7.7	49.8	42.5	2.20
								H2	7-45	C	26.9	29.1	44.0	0.25
								H3	45-60	CL	30.9	33.1	36.0	0.25
864B														
Grundy	90	2	2.0-4.0-5.0	200	c/d	5	48	Ap	0-12	SICL	5.0	66.0	29.0	3.30
								Btg1	12-17	SIC	2.0	54.0	44.0	1.37
								Btg2	17-35	SIC	2.0	56.0	42.0	0.58
								Btg3	35-60	SICL	2.0	62.0	36.0	0.34
								Cg	60-79	SICL	2.0	63.0	35.0	0.34

Mapunit	Comp %	Cap Clc	Slope L-RV-H	Slope length	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand	Total Silt	Total Clay	OM RV

			%	(ft)							RV	RV	RV	%
980B														
Ely	30	2	2.0-4.0-5.0	200	c	5	48	H1	0-22	SICL	7.1	64.4	28.5	5.50
								H2	22-55	SICL	6.8	61.7	31.5	2.00
								H3	55-60	SIL	9.1	65.9	25.0	0.75
Colo, occasionally flooded	15	2	2.0-4.0-5.0	200	c/d	5	48	H1	0-25	SICL	6.8	61.7	31.5	6.00
								H2	25-40	SICL	6.7	60.8	32.5	3.50
								H3	40-60	SICL	6.9	63.1	30.0	1.50
993D2														
Armstrong, moderately eroded	50	4	9.0-12.0-14.0	121	d	3	48	Ap	0-8	L	30.0	46.0	24.0	2.00
								BE	8-11	CL	37.5	32.5	30.0	0.75
								Bt1	11-14	CL	37.5	28.5	34.0	0.50
								2Bt2,2Bt3	14-26	C	35.0	17.0	48.0	0.50
								2Bt4,2Bt5	26-54	CL	37.5	29.5	33.0	0.50
								2BC,2C	54-80	CL	37.7	31.3	31.0	0.25
Gara, moderately eroded	30	4	9.0-12.0-14.0	121	c	5	48	H1	0-14	L	35.4	39.6	25.0	2.50
								H2	14-40	CL	35.3	33.2	31.5	0.25
								H3	40-60	CL	35.4	33.6	31.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
993E2														
Armstrong, moderately eroded	50	6	14.0-16.0-18.0	121	d	3	48	Ap	0-8	L	30.0	46.0	24.0	2.00
								BE	8-11	CL	37.5	32.5	30.0	0.75
								Bt1	11-14	CL	37.5	28.5	34.0	0.50
								2Bt2,2Bt3	14-26	C	35.0	17.0	48.0	0.50
								2Bt4,2Bt5	26-54	CL	37.5	29.5	33.0	0.50
								2BC,2C	54-80	CL	37.7	31.3	31.0	0.25
Gara, moderately eroded	30	6	14.0-16.0-18.0	121	c	5	48	H1	0-14	L	35.4	39.6	25.0	2.50
								H2	14-40	CL	35.3	33.2	31.5	0.25
								H3	40-60	CL	35.4	33.6	31.0	0.25
993E3														
Armstrong, severely eroded	50	7	14.0-16.0-18.0	121	d	2	48	Ap	0-8	CL	30.0	40.0	30.0	1.50
								Bt1	8-11	CL	37.5	28.5	34.0	0.50
								2Bt2,2Bt3	11-23	C	35.0	17.0	48.0	0.50
								2Bt4,2Bt5	23-51	CL	37.5	29.5	33.0	0.50
								2BC,2C	51-80	CL	37.7	31.3	31.0	0.25
Gara, severely eroded	30	6	14.0-16.0-18.0	121	c	4	48	H1	0-14	CL	35.4	33.6	31.0	1.80
								H2	14-40	CL	35.3	33.2	31.5	0.25
								H3	40-60	CL	35.4	33.6	31.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
1313D														
Munterville	90	6	9.0-12.0-14.0	121	d	5	48	A	0-4	SIL	15.0	61.0	24.0	2.50
								E	4-8	SIL	20.0	55.0	25.0	1.50
								Bt1	8-17	SICL	15.0	46.0	39.0	0.25
								2Bt,2BC	17-47	SIC	10.0	40.0	50.0	0.25
								2C	47-75	SIC	10.0	40.0	50.0	0.25
								2Cr	75-79	WB	--	--	--	---
1313E														
Munterville	90	7	14.0-16.0-18.0	121	d	5	48	A	0-4	SIL	15.0	61.0	24.0	2.50
								E	4-8	SIL	20.0	55.0	25.0	1.50
								Bt1	8-17	SICL	15.0	46.0	39.0	0.25
								2Bt,2BC	17-47	SIC	10.0	40.0	50.0	0.25
								2C	47-75	SIC	10.0	40.0	50.0	0.25
								2Cr	75-79	WB	--	--	--	---
1313E3														
Munterville, severely eroded	90	7	14.0-16.0-18.0	121	d	4	48	Ap	0-8	SICL	15.0	55.0	30.0	0.75
								2Bt,2BC	8-38	SIC	10.0	42.0	48.0	0.25
								2C	38-66	SIC	10.0	40.0	50.0	0.25
								2Cr	66-79	WB	--	--	--	---
1313F														
Munterville	95	7	18.0-27.0-35.0	102	d	5	48	A	0-4	SIL	15.0	61.0	24.0	2.50
								E	4-8	SIL	20.0	55.0	25.0	1.50
								Bt1	8-17	SICL	15.0	46.0	39.0	0.25
								2Bt,2BC	17-47	SIC	10.0	40.0	50.0	0.25
								2C	47-75	SIC	10.0	40.0	50.0	0.25
								2Cr	75-79	WB	--	--	--	---

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
C220														
Nodaway, frequently flooded, channeled	90	5	0.0-1.0-2.0	249	b	5	48	Ap	0-7	SR- SIL	15.5	62.3	22.2	3.60
								C1,C3	7-80	SR- SIL	4.1	70.8	25.1	1.87
C315														
Alluvial Land, frequently flooded, channeled	90	5	0.0-1.0-2.0	249	a	5	134	H1	0-9	LS	84.9	9.1	6.0	1.25
								H2	9-60	LS	84.9	9.1	6.0	0.25
M162														
Downs	95	1	0.0-1.0-2.0	298	c	5	48	Ap	0-8	SIL	3.0	74.0	23.0	3.00
								E	8-12	SIL	3.0	72.0	25.0	1.50
								BE	12-17	SIL	3.0	72.0	25.0	1.00
								Bt1	17-24	SICL	3.0	67.0	30.0	0.75
								Bt2	24-33	SICL	3.0	66.0	31.0	0.75
								Bt3	33-39	SICL	3.0	68.0	29.0	0.50
								BC1	39-48	SIL	5.0	69.0	26.0	0.25
								BC2	48-79	SIL	5.0	69.0	26.0	0.25
M162B														
Downs	90	2	2.0-4.0-5.0	200	c	5	48	Ap	0-8	SIL	3.0	74.0	23.0	3.00
								E	8-12	SIL	3.0	72.0	25.0	1.50
								BE	12-17	SIL	3.0	72.0	25.0	1.00
								Bt1	17-24	SICL	3.0	67.0	30.0	0.75
								Bt2	24-33	SICL	3.0	66.0	31.0	0.75
								Bt3	33-39	SICL	3.0	68.0	29.0	0.50
								BC1	39-48	SIL	5.0	69.0	26.0	0.25
								BC2	48-79	SIL	5.0	69.0	26.0	0.25

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
M162C2														
Downs, eroded	95	3	5.0-7.0-9.0	200	c	5	48	Ap	0-6	SIL	3.0	74.0	23.0	2.50
								BE	6-12	SIL	3.0	72.0	25.0	1.00
								Bt1	12-24	SICL	3.0	67.0	30.0	0.75
								Bt2	24-33	SICL	3.0	66.0	31.0	0.75
								Bt3	33-39	SICL	3.0	68.0	29.0	0.50
								BC1	39-48	SIL	5.0	69.0	26.0	0.25
								BC2	48-79	SIL	5.0	69.0	26.0	0.25
M162D2														
Downs, eroded	90	4	9.0-12.0-14.0	151	c	5	48	Ap	0-6	SIL	3.0	74.0	23.0	2.50
								BE	6-12	SIL	3.0	72.0	25.0	1.00
								Bt1	12-24	SICL	3.0	67.0	30.0	0.75
								Bt2	24-33	SICL	3.0	66.0	31.0	0.75
								Bt3	33-39	SICL	3.0	68.0	29.0	0.50
								BC1	39-48	SIL	5.0	69.0	26.0	0.25
								BC2	48-79	SIL	5.0	69.0	26.0	0.25
M163B														
Fayette	90	2	2.0-4.0-5.0	200	c	5	48	Ap	0-8	SIL	5.0	75.0	20.0	3.00
								E	8-11	SIL	3.0	77.0	20.0	1.00
								BE	11-14	SIL	3.0	72.0	25.0	0.75
								Bt1	14-26	SICL	3.0	66.0	31.0	0.50
								Bt2	26-34	SICL	3.0	67.0	30.0	0.40
								BC	34-47	SICL	3.0	69.0	28.0	0.30
								C	47-79	SIL	4.0	70.0	26.0	0.20
M163C2														
Fayette, eroded	95	3	5.0-7.0-9.0	200	c	5	48	Ap	0-8	SIL	5.0	75.0	20.0	2.00
								BE	8-11	SIL	3.0	72.0	25.0	0.75
								Bt1	11-23	SICL	3.0	66.0	31.0	0.50
								Bt2	23-31	SICL	3.0	67.0	30.0	0.40
								BC	31-44	SICL	3.0	69.0	28.0	0.30
								C	44-79	SIL	4.0	70.0	26.0	0.20

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
M163D2														
Fayette, eroded	90	3	9.0-12.0-14.0	151	c	5	48	Ap	0-8	SIL	5.0	75.0	20.0	2.00
								BE	8-11	SIL	3.0	72.0	25.0	0.75
								Bt1	11-23	SICL	3.0	66.0	31.0	0.50
								Bt2	23-31	SICL	3.0	67.0	30.0	0.40
								BC	31-44	SICL	3.0	69.0	28.0	0.30
								C	44-79	SIL	4.0	70.0	26.0	0.20
M163E2														
Fayette, eroded	90	4	14.0-16.0-18.0	98	c	5	48	Ap	0-8	SIL	5.0	75.0	20.0	2.00
								BE	8-11	SIL	3.0	72.0	25.0	0.75
								Bt1	11-23	SICL	3.0	66.0	31.0	0.50
								Bt2	23-31	SICL	3.0	67.0	30.0	0.40
								BC	31-44	SICL	3.0	69.0	28.0	0.30
								C	44-79	SIL	4.0	70.0	26.0	0.20
M163F2														
Fayette, eroded	85	6	18.0-22.0-25.0	98	c	5	48	A	0-8	SIL	5.0	75.0	20.0	2.00
								BE	8-11	SIL	3.0	72.0	25.0	0.75
								Bt1	11-23	SICL	3.0	66.0	31.0	0.50
								Bt2	23-31	SICL	3.0	67.0	30.0	0.40
								BC	31-44	SICL	3.0	69.0	28.0	0.30
								C	44-79	SIL	4.0	70.0	26.0	0.20
S54														
Zook, occasionally flooded	85	2	0.0-1.0-2.0	249	d	5	48	Ap	0-8	SICL	7.0	59.0	34.0	6.00
								A1	8-20	SICL	7.0	57.0	36.0	6.00
								A2	20-38	SIC	7.0	52.0	41.0	3.00
								Bg	38-52	SICL	8.0	54.0	38.0	3.00
								BCg	52-61	SICL	9.0	57.0	34.0	3.00
								Cg	61-79	SICL	9.0	59.0	32.0	0.50

Lucas County, Iowa EROSION FACTORS--Continued

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
S192D2														
Adair, moderately eroded	85	4	9.0-12.0-14.0	151	c/d	3	48	Ap	0-8	CL	21.0	48.0	31.0	2.50
								2Bt1	8-17	C	25.0	26.0	49.0	0.75
								2Bt2	17-51	CL	25.0	41.0	34.0	0.25
								2Bk	51-68	CL	32.5	33.5	34.0	0.25
								2C	68-79	CL	32.5	33.5	34.0	0.25
S220														
Nodaway, occasionally flooded	85	2	0.0-1.0-2.0	184	b	5	48	Ap	0-7	SIL	6.0	74.0	20.0	2.50
								C1	7-31	SIL	6.0	74.0	20.0	1.00
								C2	31-42	SIL	6.0	74.0	20.0	0.50
								C3	42-79	SIL	6.0	74.0	20.0	0.25
S451D2														
Caleb, moderately eroded	90	4	9.0-13.0-14.0	151	c	5	48	Ap	0-8	L	30.0	46.0	24.0	2.50
								BE	8-13	L	35.0	45.0	20.0	0.50
								Bt1	13-34	CL	40.0	28.0	32.0	0.25
								Bt2	34-58	CL	40.0	30.0	30.0	0.25
								BC	58-68	CL	40.0	30.0	30.0	0.25
								C	68-79	CL	42.0	30.0	28.0	0.25
S792D2														
Armstrong, moderately eroded	80	4	9.0-12.0-14.0	151	d	3	48	Ap	0-8	L	34.0	42.0	24.0	2.00
								BE	8-11	L	50.0	32.0	18.0	0.75
								Bt1	11-14	CL	37.5	32.5	30.0	0.50
								2Bt2	14-18	CL	22.0	41.0	37.0	0.50
								2Bt3	18-26	C	25.0	31.0	44.0	0.51
								2Bt4	26-54	CL	25.0	38.0	37.0	0.20
								2C	54-79	CL	34.0	34.0	32.0	0.17

Lucas County, Iowa EROSION FACTORS--Continued

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
T76B														
Ladoga, terrace	95	2	2.0-4.0-5.0	200	c	5	48	H1	0-9	SIL	24.8	52.7	22.5	3.00
								H2	9-42	SICL	7.4	53.6	39.0	0.75
								H3	42-60	SICL	19.9	52.1	28.0	0.25
T76C2														
Ladoga, moderately eroded, terrace	100	3	5.0-7.0-9.0	151	c	5	48	H1	0-9	SIL	24.8	52.7	22.5	2.50
								H2	9-42	SICL	7.4	53.6	39.0	0.75
								H3	42-60	SICL	19.9	52.1	28.0	0.25
T119														
Muscatine, terrace	95	1	0.0-1.0-2.0	298	c/d	5	48	Ap	0-7	SICL	3.0	67.0	30.0	5.00
								A	7-16	SICL	3.0	67.0	30.0	5.00
								AB	16-20	SICL	4.0	63.0	33.0	2.50
								Btg	20-42	SICL	5.0	62.0	33.0	1.00
								BCg	42-79	SIL	5.0	70.0	25.0	0.50
T120B														
Tama	95	2	2.0-4.0-5.0	200	c	5	48	Ap	0-6	SICL	3.0	70.0	27.0	3.50
								A1	6-10	SICL	3.0	69.0	28.0	3.00
								A2	10-14	SICL	3.0	69.0	28.0	3.00
								BA	14-18	SICL	3.0	66.0	31.0	1.50
								Bt1	18-32	SICL	3.0	64.0	33.0	1.00
								Bt2	32-45	SICL	3.0	66.0	31.0	1.00
								BC	45-60	SICL	3.0	69.0	28.0	0.30
T162B														
Downs, terrace	100	2	2.0-4.0-5.0	200	c	5	48	H1	0-12	SIL	11.2	66.8	22.0	3.00
								H2	12-48	SICL	6.9	62.6	30.5	0.75
								H3	48-60	SIL	9.3	66.7	24.0	0.25
T368														
Macksburg, terrace	95	1	1.0-2.0-3.0	249	c/d	5	48	Ap	0-6	SICL	3.0	66.5	30.5	5.00
								A1,BA	6-24	SICL	3.0	66.5	30.5	4.00
								Bt,Btg	24-42	SICL	3.0	58.0	39.0	2.50
								BCg,Cg	42-73	SICL	3.0	68.0	29.0	1.50

Lucas County, Iowa EROSION FACTORS--Continued

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
T370														
Sharpsburg, terrace	90	1	0.0-1.0-2.0	200	c	5	48	Ap	0-8	SICL	2.0	65.0	33.0	3.80
								A	8-17	SICL	2.0	63.0	35.0	3.00
								Bt1	17-31	SICL	2.0	60.0	38.0	0.80
								Bt2	31-38	SICL	2.0	64.0	34.0	0.40
								BC	38-46	SICL	2.0	66.0	32.0	0.30
								C	46-79	SICL	2.0	69.0	29.0	0.30
T370B														
Sharpsburg, terrace	90	2	2.0-3.0-5.0	200	c	5	48	Ap	0-8	SICL	2.0	65.0	33.0	3.80
								A	8-17	SICL	2.0	63.0	35.0	3.00
								Bt1	17-31	SICL	2.0	60.0	38.0	0.80
								Bt2	31-38	SICL	2.0	64.0	34.0	0.40
								BC	38-46	SICL	2.0	66.0	32.0	0.30
								C	46-79	SICL	2.0	69.0	29.0	0.30
T370C2														

Sharpsburg, eroded, terrace	90	3	5.0-7.0-9.0	200	c	5	48	Ap	0-7	SICL	2.0	64.0	34.0	3.10
								Bt1	7-21	SICL	2.0	60.0	38.0	0.80
								Bt2	21-40	SICL	2.0	64.0	34.0	0.40
								BC	40-48	SICL	2.0	66.0	32.0	0.30
								Cg	48-79	SICL	2.0	69.0	29.0	0.30
Y11B														
Colo, occasionally flooded	60	2	2.0-4.0-5.0	200	c/d	5	48	Ap	0-8	SICL	6.0	64.0	30.0	6.00
								A	8-34	SICL	6.0	63.0	31.0	3.00
								Bg	34-46	SICL	4.0	63.0	33.0	1.70
								BCg	46-52	SICL	5.0	63.0	32.0	1.10
								Cg	52-79	SICL	6.0	64.0	30.0	1.00
Ely	30	2	2.0-4.0-5.0	200	c/d	5	48	Ap	0-8	SICL	8.0	63.0	29.0	5.50
								A	8-32	SICL	3.0	64.0	33.0	4.50
								Bg	32-58	SICL	3.0	64.0	33.0	2.00
								Cg	58-79	SICL	4.0	68.0	28.0	0.75

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
Y24D2														
Shelby, dissected till plain, eroded	85	3	9.0-12.0-14.0	151	c	5	48	Ap	0-7	CL	33.0	37.0	30.0	2.90
								Bt	7-37	CL	30.0	35.0	35.0	1.10
								Btk	37-45	CL	30.0	39.0	31.0	0.40
								C	45-79	CL	32.0	37.0	31.0	0.30
Y24E2														
Shelby, dissected till plain, eroded	75	4	14.0-16.0-18.0	121	c	5	48	Ap	0-7	CL	33.0	37.0	30.0	2.90
								Bt	7-37	CL	30.0	35.0	35.0	1.10
								Btk	37-45	CL	30.0	39.0	31.0	0.40
								C	45-79	CL	32.0	37.0	31.0	0.30
Y24F2														
Shelby, dissected till plain, eroded	80	6	18.0-22.0-25.0	121	c	5	48	Ap	0-7	CL	33.0	37.0	30.0	2.90
								Bt	7-37	CL	30.0	35.0	35.0	1.10
								Btk	37-45	CL	30.0	39.0	31.0	0.40
								C	45-79	CL	32.0	37.0	31.0	0.30
Y93D2														
Shelby, dissected till plain, eroded	50	3	9.0-12.0-14.0	151	c	5	48	Ap	0-7	CL	33.0	37.0	30.0	2.90
								Bt	7-37	CL	30.0	35.0	35.0	1.10
								Btk	37-45	CL	30.0	39.0	31.0	0.40
								C	45-79	CL	32.0	37.0	31.0	0.30
Adair, dissected till plain, eroded	35	4	9.0-12.0-14.0	151	d	3	48	Ap	0-7	CL	23.0	47.0	30.0	3.60
								2Bt1	7-17	C	22.0	35.0	43.0	0.60
								2Bt2	17-59	CL	31.0	34.0	35.0	0.30
								2Bk	59-74	CL	33.0	33.0	34.0	0.30
								2C	74-79	CL	33.0	35.0	32.0	0.30

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
Y93E2														
Shelby, dissected till plain, eroded	50	4	14.0-16.0-18.0	121	c	5	48	Ap	0-7	CL	33.0	37.0	30.0	2.90
								Bt	7-37	CL	30.0	35.0	35.0	1.10
								Btk	37-45	CL	30.0	39.0	31.0	0.40
								C	45-79	CL	32.0	37.0	31.0	0.30
Adair, dissected till plain, eroded	40	6	14.0-16.0-18.0	121	d	3	48	Ap	0-7	CL	23.0	47.0	30.0	3.60
								2Bt1	7-17	C	22.0	35.0	43.0	0.60
								2Bt2	17-59	CL	31.0	34.0	35.0	0.30
								2Bk	59-74	CL	33.0	33.0	34.0	0.30
								2C	74-79	CL	33.0	35.0	32.0	0.30
Y93E3														
Shelby, dissected till plain, severely eroded	50	6	14.0-16.0-18.0	121	c	4	48	Ap	0-2	CL	32.0	35.0	33.0	1.70
								Bt	2-48	CL	30.0	35.0	35.0	1.10
								BCk	48-62	CL	32.0	37.0	31.0	0.30
								C	62-79	CL	32.0	37.0	31.0	0.30
Adair, dissected till plain, severely eroded	40	6	14.0-16.0-18.0	121	d	2	48	Ap	0-3	CL	22.0	49.0	29.0	2.30
								2Bt1	3-26	C	22.0	35.0	43.0	0.60
								2Bt2	26-59	CL	31.0	34.0	35.0	0.30
								2BCk	59-70	CL	33.0	33.0	34.0	0.30
								2C	70-79	CL	33.0	35.0	32.0	0.30

Mapunit	Comp %	Cap Clc	Slope L-RV-H %	Slope length (ft)	Hyd Grp	T	WEI	Horz Desig	Depth (in)	Texture RV	Total Sand RV	Total Silt RV	Total Clay RV	OM RV %
Y192D2														
Adair, dissected till	80	4	9.0-12.0-14.0	151	d	3	48	Ap	0-7	CL	23.0	47.0	30.0	3.60

plain, eroded								2Bt1	7-17	C	22.0	35.0	43.0	0.60
								2Bt2	17-59	CL	31.0	34.0	35.0	0.30
								2Bk	59-74	CL	33.0	33.0	34.0	0.30
								2C	74-79	CL	33.0	35.0	32.0	0.30
Y212														
Kennebec, occasionally flooded	85	1	0.0-1.0-2.0	200	b	5	48	Ap	0-8	SIL	6.0	68.0	26.0	4.80
								A	8-54	SIL	8.0	66.0	26.0	3.50
								C	54-79	SIL	12.0	62.0	26.0	1.00
Y369														
Winterset	90	2	0.0-1.0-2.0	200	d	5	48	Ap	0-7	SICL	2.0	68.0	30.0	5.00
								A	7-19	SICL	2.0	63.0	35.0	4.50
								Btg1	19-25	SIC	2.0	56.0	42.0	2.00
								Btg2	25-32	SIC	2.0	56.0	42.0	2.00
								Btg3	32-79	SICL	2.0	61.0	37.0	0.50
Y428B														
Ely	95	2	2.0-4.0-5.0	200	c/d	5	48	Ap	0-8	SICL	8.0	63.0	29.0	5.50
								A	8-32	SICL	3.0	64.0	33.0	4.50
								Bg	32-58	SICL	3.0	64.0	33.0	2.00
								Cg	58-79	SICL	4.0	68.0	28.0	0.75
YC220														
Nodaway, channeled, frequently flooded	90	5	0.0-1.0-2.0	200	b	5	48	Ap	0-7	SIL	9.0	66.0	25.0	2.80
								C	7-79	SIL	10.0	67.0	23.0	1.80