U.S. DEPARTMENT OF AGRICULTURE
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EROSION FACTORS

Mapunit	Comp %	Cap Clc	R Fact	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	USLE Kf Factor	OM RV %
IA165-Shelby County, Iowa																
1C3																
Ida, severely eroded	80	3	175	5.0-7.0-9.0	200	b	4	86	Ap	0-3	SIL	11.2	67.3	21.5	.43	1.50
									C1,C4	3-80	SIL	11.2	67.3	21.5	.43	0.25
1D3																
Ida, severely eroded	80	3	175	9.0-12.0-14.0	151	b	4	86	Ap	0-3	SIL	11.2	67.3	21.5	.43	1.50
									C1,C4	3-80	SIL	11.2	67.3	21.5	.43	0.25
1E3																
Ida, severely eroded	70	4	175	14.0-17.0-20.0	121	b	4	86	Ap	0-3	SIL	11.2	67.3	21.5	.43	1.50
									C1,C4	3-80	SIL	11.2	67.3	21.5	.43	0.25
1F3																
Ida, severely eroded	70	6	175	20.0-25.0-30.0	121	b	4	86	Ap	0-3	SIL	11.2	67.3	21.5	.43	1.50
									C1,C4	3-80	SIL	11.2	67.3	21.5	.43	0.25
8B																
Judson	80	2	175	2.0-4.0-5.0	200	b	5	38	Ap	0-9	SICL	7.0	63.5	29.5	.28	4.50
									A1,AB	9-28	SICL	6.2	61.3	32.5	.28	3.50
									Bt,BC	28-52	SICL	7.0	64.5	28.5	.43	1.50
									C	52-60	SICL	7.0	64.5	28.5	.43	0.75
8C																
Judson	95	3	175	5.0-7.0-9.0	200	b	5	38	Ap	0-9	SICL	7.0	63.5	29.5	.28	4.50
									A1,AB	9-28	SICL	6.2	61.3	32.5	.28	3.50
									Bt,BC	28-52	SICL	7.0	64.5	28.5	.43	1.50
									C	52-60	SICL	7.0	64.5	28.5	.43	0.75
9																
Marshall	95	1	175	0.0-1.0-2.0	200	b	5	48	Ap	0-7	SICL	9.1	59.9	31.0	.28	3.50
									A1,A2	7-22	SICL	9.1	59.9	31.0	.28	2.50
									BA,Bg	22-65	SICL	6.9	62.6	30.5	.43	0.50
									BCg,Cg	65-80	SIL	8.1	66.9	25.0	.43	0.25
9B																
Marshall	100	2	175	2.0-4.0-5.0	200	b	5	48	Ap	0-7	SICL	9.1	59.9	31.0	.28	3.50
									A1,A2	7-22	SICL	9.1	59.9	31.0	.28	2.50
									BA,Bg	22-65	SICL	6.9	62.6	30.5	.43	0.50
									BCg,Cg	65-80	SIL	8.1	66.9	25.0	.43	0.25

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Mapunit	Comp %	Cap Clc	R Fact	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	USLE Kf Factor	OM RV %
9C2																
Marshall, moderately eroded	80	3	175	5.0-7.0-9.0	200	b	5	48	Ap	0-7	SICL	9.0	60.0	31.0	.32	2.50
									BA,Bw	7-47	SICL	6.9	62.6	30.5	.32	1.50
									C1,C2	47-80	SIL	6.9	67.1	26.0	.43	0.50
9D2																
Marshall, moderately eroded	70	3	175	9.0-12.0-14.0	151	b	5	38	Ap	0-7	SICL	6.9	62.1	31.0	.32	2.70
									BA,Bw	7-47	SICL	6.9	62.6	30.5	.32	1.50
									C1,C2	47-80	SIL	6.9	67.1	26.0	.43	0.50
10C2																
Monona, moderately eroded	75	3	175	5.0-7.0-9.0	200	b	5	48	Ap	0-7	SIL	9.4	67.1	23.5	.28	2.50
									Bw	7-30	SIL	9.1	64.9	26.0	.43	1.00
									C	30-60	SIL	11.3	67.7	21.0	.43	0.25
10D2																
Monona, moderately eroded	60	3	175	9.0-12.0-14.0	151	b	5	48	Ap	0-7	SIL	9.4	67.1	23.5	.28	1.50
									Bw	7-30	SIL	9.1	64.9	26.0	.43	0.50
									C	30-60	SIL	11.3	67.7	21.0	.43	0.25
10E2																
Monona, moderately eroded	40	4	175	14.0-17.0-20.0	121	b	5	48	Ap	0-7	SIL	9.4	67.1	23.5	.28	2.50
									Bw	7-30	SIL	9.1	64.9	26.0	.43	1.00
									C	30-60	SIL	11.3	67.7	21.0	.43	0.25
10F2																
Monona, moderately eroded	45	6	175	20.0-25.0-30.0	121	b	5	48	Ap	0-7	SIL	9.4	67.1	23.5	.28	2.50
									Bw	7-30	SIL	9.1	64.9	26.0	.43	1.00
									C	30-60	SIL	11.3	67.7	21.0	.43	0.25
12B																
Napier	90	2	175	2.0-4.0-5.0	200	b	5	48	Ap	0-8	SIL	7.0	69.5	23.5	.28	3.50
									A	8-29	SIL	7.0	69.5	23.5	.28	3.25
									BA,Bw	29-48	SIL	7.0	69.5	23.5	.43	0.25
									C	48-60	SIL	7.0	69.5	23.5	.43	1.50

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Mapunit	Comp %	Cap Clc	R Fact	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	USLE Kf Factor	OM RV %
12C																
Napier	95	3	175	5.0-7.0-9.0	200	b	5	48	Ap	0-8	SIL	7.0	69.5	23.5	.28	3.50
									A	8-29	SIL	7.0	69.5	23.5	.28	3.25
									BA,Bw	29-48	SIL	7.0	69.5	23.5	.43	0.25
									C	48-60	SIL	7.0	69.5	23.5	.43	1.50
24E2																
Shelby, moderately eroded	70	4	175	14.0-16.0-18.0	121	c	5	48	Ap	0-7	CL	35.4	33.6	31.0	.32	2.50
									Bt1,Bt3	7-33	CL	34.7	32.8	32.5	.28	1.50
									Btk,Bk	33-49	CL	34.7	32.8	32.5	.28	0.50
									C	49-80	CL	34.7	32.8	32.5	.37	0.25
24F2																
Shelby, moderately eroded	50	6	175	18.0-22.0-25.0	121	d	5	48	Ap	0-7	CL	35.4	33.6	31.0	.32	2.50
									Bt1,Bt3	7-33	CL	34.7	32.8	32.5	.28	1.50
									Btk,Bk	33-49	CL	34.7	32.8	32.5	.28	0.50
									C	49-80	CL	34.7	32.8	32.5	.37	0.25
35D2																
Liston	55	3	175	9.0-12.0-14.0	151	c	5	86	Ap	0-5	CL	33.6	36.9	29.5	.32	2.50
									Bw,Bk3	5-38	CL	33.6	36.9	29.5	.32	1.50
									C1,C3	38-80	CL	33.6	31.4	35.0	.32	0.75
Burchard, moderately eroded	35	3	175	9.0-12.0-14.0	151	c	5	48	Ap	0-7	CL	38.4	33.6	28.0	.28	2.50
									Bt	7-13	CL	35.4	33.6	31.0	.32	1.50
									Btk,Bk	13-52	CL	37.4	31.6	31.0	.32	0.75
									C	52-80	CL	35.4	35.6	29.0	.32	0.75
54																
Zook, occasionally flooded	90	2	175	0.0-1.0-2.0	200	c/d	5	38	Ap	0-6	SICL	18.5	44.0	37.5	.37	5.50
									A1,A2	6-20	SICL	18.5	44.0	37.5	.37	4.50
									A3,Bg	20-52	SIC	17.7	41.8	40.5	.28	3.00
									Cg	52-60	SICL	9.0	53.0	38.0	.28	0.50

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54+																
Zook, overwash, occasionally flooded	85	2	175	0.0-1.0-2.0	200	c/d	5	86	Ap	0-9	SIL	7.0	68.0	25.0	.28	4.50
									A1,A2	9-23	SICL	7.0	55.0	38.0	.28	5.50
									A3,Bg2	23-64	SIC	7.0	52.5	40.5	.28	3.00
									Cg	64-80	SICL	7.0	60.5	32.5	.28	0.50
59E2																
Burchard, moderately eroded	75	4	175	14.0-16.0-18.0	121	c	5	48	Ap	0-7	CL	38.4	33.6	28.0	.28	2.50
									Bt	7-13	CL	35.4	33.6	31.0	.32	1.50
									Btk,Bk	13-52	CL	37.4	31.6	31.0	.32	0.75
									C	52-80	CL	35.4	35.6	29.0	.32	0.75
59F2																
Burchard, moderately eroded	80	6	175	18.0-21.0-25.0	121	c	5	48	Ap	0-7	CL	38.4	33.6	28.0	.28	2.50
									Bt	7-13	CL	35.4	33.6	31.0	.32	1.50
									Btk,Bk	13-52	CL	37.4	31.6	31.0	.32	0.75
									C	52-80	CL	35.4	35.6	29.0	.32	0.75
93D2																
Shelby, moderately eroded	65	3	175	9.0-12.0-14.0	151	c	5	48	Ap	0-7	CL	35.4	33.6	31.0	.32	2.50
									Bt1,Bt3	7-33	CL	34.7	32.8	32.5	.28	1.50
									Btk,Bk	33-49	CL	34.7	32.8	32.5	.28	0.50
									C	49-80	CL	34.7	32.8	32.5	.37	0.25
Adair, moderately eroded	20	4	175	9.0-12.0-14.0	151	d	3	86	Ap	0-6	CL	29.7	31.8	38.5	.32	2.50
									2Bt1	6-18	CL	29.7	31.8	38.5	.32	0.75
									2Bt2	18-33	C	22.7	33.3	44.0	.32	0.75
									2Bt3	33-56	CL	29.7	31.8	38.5	.32	0.75
									2BC,2C	56-80	CL	33.9	32.1	34.0	.32	0.25
99D2																
Exira, moderately eroded	50	3	175	9.0-12.0-14.0	151	b	5	38	Ap	0-6	SICL	6.9	62.1	31.0	.32	2.50
									Bw,BC	6-40	SICL	8.6	63.4	28.0	.43	0.50
									C1,C2	40-80	SIL	9.1	65.9	25.0	.43	0.25

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99E2																
Exira,	45	4	175	14.0-16.0-18.0	121	b	5	38	Ap	0-6	SICL	6.9	62.1	31.0	.32	2.50
moderately																
eroded																
									Bw,BC	6-40	SICL	8.6	63.4	28.0	.43	0.50
									C1,C2	40-80	SIL	9.1	65.9	25.0	.43	0.25
99F2																
Exira,	50	6	175	18.0-22.0-25.0	121	b	5	38	Ap	0-6	SICL	6.9	62.1	31.0	.32	2.50
moderately																
eroded																
									Bw,BC	6-40	SICL	8.6	64.4	27.0	.43	0.50
									C1,C2	40-80	SIL	9.1	65.9	25.0	.43	0.25
100B																
Monona	55	2	175	2.0-3.0-5.0	200	b	5	38	Ap	0-15	SICL	9.4	62.1	28.5	.28	3.50
									Bw	15-30	SICL	9.1	63.9	27.0	.43	1.00
									C	30-60	SIL	11.3	67.7	21.0	.43	0.25
100C2																
Monona,	55	3	175	5.0-7.0-9.0	200	b	5	38	Ap	0-7	SICL	9.4	62.1	28.5	.28	2.50
moderately																
eroded																
									Bw	7-30	SICL	9.1	63.9	27.0	.43	1.00
									C	30-60	SIL	11.3	67.7	21.0	.43	0.25
100D2																
Monona,	45	3	175	9.0-12.0-14.0	151	b	5	38	Ap	0-7	SICL	9.4	62.1	28.5	.28	2.50
moderately																
eroded																
									Bw	7-30	SICL	9.1	63.9	27.0	.43	1.00
									C	30-60	SIL	11.3	67.7	21.0	.43	0.25
100D3																
Monona, severely	45	4	175	9.0-12.0-14.0	151	b	4	38	Ap	0-3	SICL	9.4	62.1	28.5	.28	1.50
eroded																
									Bw	3-30	SICL	9.1	63.9	27.0	.43	0.50
									C	30-60	SIL	11.3	67.7	21.0	.43	0.25
100E2																
Monona,	45	4	175	14.0-17.0-20.0	121	b	5	38	Ap	0-7	SICL	9.4	62.1	28.5	.28	2.50
moderately																
eroded																
									Bw	7-30	SICL	9.1	63.9	27.0	.43	1.00
									C	30-60	SIL	11.3	67.7	21.0	.43	0.25

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100F2																
Monona, moderately eroded	55	6	175	20.0-25.0-30.0	121	b	5	38	Ap	0-7	SICL	9.4	62.1	28.5	.28	2.50
									Bw	7-30	SICL	9.1	63.9	27.0	.43	1.00
									C	30-60	SIL	11.3	67.7	21.0	.43	0.25
101F3																
Monona, moderately eroded	40	6	175	20.0-25.0-30.0	121	b	5	48	Ap	0-7	SIL	9.4	67.1	23.5	.28	2.50
									Bw	7-30	SIL	9.1	64.9	26.0	.43	1.00
									C	30-60	SIL	11.3	67.7	21.0	.43	0.25
Ida, severely eroded	30	6	175	20.0-25.0-30.0	121	b	4	86	Ap	0-3	SIL	11.2	67.3	21.5	.43	1.50
									C1,C4	3-80	SIL	11.2	67.3	21.5	.43	0.25
212																
Kennebec, occasionally flooded	70	1	175	0.0-1.0-2.0	200	b	5	48	Ap	0-8	SIL	6.9	68.1	25.0	.28	3.00
									A1,AC	8-54	SICL	6.8	65.2	28.0	.43	1.50
									C1,C3	54-80	SICL	6.8	65.2	28.0	.43	1.50
220																
Nodaway, occasionally flooded	75	2	175	0.0-1.0-2.0	200	b	5	48	Ap	0-7	SIL	7.5	70.0	22.5	.32	3.00
									C1	7-31	SR- SIL SICL	--	--	23.0	.43	0.25
									C2	31-42	SR- SIL SICL	--	--	23.0	.43	0.25
									C3	42-80	SR- SIL SICL	--	--	23.0	.43	0.25
222D2																
Clarinda, moderately eroded	70	4	175	9.0-12.0-14.0	151	d	3	38	Ap	0-7	SICL	19.7	47.8	32.5	.37	2.50
									2Btg1, 2Btg4	7-80	SIC	5.3	44.7	50.0	.37	0.25

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430																
Ackmore, occasionally flooded	75	2	175	0.0-1.0-2.0	200	b	5	48	Ap	0-6	SIL	9.5	68.0	22.5	.32	3.00
									C	6-25	SIL	9.3	66.7	24.0	.32	2.00
									Ab1,Ab3	25-60	SICL	6.7	61.3	32.0	.32	4.00
431B																
Judson	55	2	175	2.0-3.0-5.0	200	b	5	38	Ap	0-9	SICL	7.0	63.5	29.5	.28	4.50
									A1,AB	9-28	SICL	6.2	61.3	32.5	.28	3.50
									Bt,BC	28-52	SICL	7.0	64.5	28.5	.43	1.50
									C	52-60	SICL	7.0	64.5	28.5	.43	0.75
Ackmore, rarely flooded	25	2	175	1.0-2.0-3.0	200	b	5	48	Ap	0-6	SIL	9.5	68.0	22.5	.32	3.00
									C	6-25	SIL	9.3	66.7	24.0	.32	2.00
									Ab1,Ab3	25-60	SICL	6.7	61.3	32.0	.32	4.00
Colo, frequently flooded	15	2	175	1.0-2.0-3.0	200	b	5	38	Ap,A1	0-15	SIL	9.5	67.5	23.0	.28	2.50
									A2,BA	15-50	SICL	6.7	60.8	32.5	.28	3.50
									Bg	50-70	SICL	6.9	63.1	30.0	.32	1.50
									BCg	70-80	SICL	6.9	63.1	30.0	.32	0.50
509																
Marshall, Bench	75	1	175	0.0-1.0-2.0	200	b	5	48	Ap	0-7	SICL	9.1	59.9	31.0	.28	3.50
									A1,A2	7-22	SICL	9.1	59.9	31.0	.28	2.50
									BA,Bg	22-65	SICL	6.9	62.6	30.5	.43	0.50
									BCg,Cg	65-80	SIL	8.1	66.9	25.0	.43	0.25
509B																
Marshall, Bench	90	2	175	2.0-3.0-5.0	200	b	5	48	Ap	0-7	SICL	9.1	59.9	31.0	.28	3.50
									A1,A2	7-22	SICL	9.1	59.9	31.0	.28	2.50
									BA,Bg	22-65	SICL	6.9	62.6	30.5	.43	0.50
									BCg,Cg	65-80	SIL	8.1	66.9	25.0	.43	0.25
509C																
Marshall, Bench	85	2	175	5.0-7.0-9.0	200	b	5	48	Ap	0-7	SICL	9.1	59.9	31.0	.28	3.50
									A1,A2	7-22	SICL	9.1	59.9	31.0	.28	2.50
									BA,Bg	22-65	SICL	6.9	62.6	30.5	.43	0.50
									BCg,Cg	65-80	SIL	8.1	66.9	25.0	.43	0.25

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509D2																
Marshall, Bench, moderately eroded	65	3	175	9.0-12.0-14.0	151	b	5	48	Ap	0-7	SICL	6.9	62.1	31.0	.32	2.50
									BA,Bw	7-47	SICL	6.9	62.6	30.5	.32	1.50
									C1,C2	47-80	SIL	6.9	67.1	26.0	.43	0.50
630																
Danbury, occasionally flooded	80	2	175	0.0-1.0-2.0	200	b	5	48	Ap	0-7	SIL	6.9	68.1	25.0	.32	3.00
									C1,C3	7-32	SIL	7.0	69.0	24.0	.32	2.00
									2Ab1,2 Ab3	32-64	SICL	6.3	61.7	32.0	.32	3.50
									2Bwb1, 2Bwb2	64-80	SICL	6.3	61.7	32.0	.32	2.50
700B																
Monona, Bench	75	2	175	2.0-3.0-5.0	200	b	5	38	Ap	0-15	SICL	9.4	62.1	28.5	.28	3.50
									Bw	15-30	SICL	9.1	63.9	27.0	.43	1.00
									C	30-60	SIL	11.3	67.7	21.0	.43	0.25
700C2																
Monona, bench,moderately eroded	50	3	175	5.0-7.0-9.0	200	b	5	38	Ap	0-7	SICL	9.4	62.1	28.5	.28	2.50
									Bw	7-30	SICL	9.1	63.9	27.0	.43	1.00
									C	30-60	SIL	11.3	67.7	21.0	.43	0.25
700D2																
Monona, bench, moderately eroded	60	3	175	9.0-12.0-14.0	151	b	5	38	Ap	0-7	SICL	9.4	62.1	28.5	.28	2.50
									Bw	7-30	SICL	9.1	63.9	27.0	.43	1.00
									C	30-60	SIL	11.3	67.7	21.0	.43	0.25
5040																
Udorthents, Loamy	100		175	0.0-7.0-14.0	200	--	--	--	H1	---	VAR	--	--	--	--	---