Highly Erodible Soils Classification
Madison County

Map Unit Symbol	Map Unit Name	Slope % Min	Slope % Max	Slope Length	LS factor Min	LS factor Max	R	K	T	Erod. Index Min	Erod. Index Max	Class
10E	Killarney cbv-sil	15	25	175	3.50	7.75	250	0.10	4	21.88	48.44	HEL
12E	Goss grv-sil	15	25	177	3.50	7.75	250	0.10	2	43.75	96.88	HEL
18C	Courtois sil	3	8	250	0.37	1.60	250	0.37	4	8.56	37.00	HEL
18D	Courtois sil	8	15	175	1.40	3.50	250	0.37	4	32.38	80.94	HEL
19B	Crider sil	1	3	150	0.15	0.32	250	0.32	5	2.40	5.12	NHEL
19C	Crider sil	3	8	100	0.32	1.20	250	0.32	5	5.12	19.20	PHEL
20B	Fourche sil	1	3	175	0.15	0.34	250	0.37	5	2.78	6.29	NHEL
20C	Fourche sil	3	8	250	0.37	1.60	250	0.37	5	6.85	29.60	PHEL
22C	Wilderness gr-sil	3	8	175	0.34	1.40	250	0.28	2	11.90	49.00	HEL
27C	Jonca sil	3	8	250	0.37	1.60	250	0.43	4	9.94	43.00	HEL
29C	Viraton sil	3	8	175	0.34	1.40	250	0.43	4	9.14	37.63	HEL
30A	Loughboro sil	0	3	250	0.10	0.37	250	0.37	3	3.08	11.41	PHEL
32C	Caneyville sil	3	8	175	0.34	1.40	250	0.43	3	12.18	50.17	HEL
34C	Knobtop sil	3	8	150	0.32	1.20	250	0.37	4	7.40	27.75	PHEL
36C	Delassus sil	3	8	250	0.37	1.60	250	0.37	4	8.56	37.00	HEL
36D	Delassus sil	8	15	175	1.40	3.50	250	0.37	4	32.38	80.94	HEL
42F	Irondale grv-sil	15	35	150	3.10	12.00	250	0.17	4	32.94	127.50	HEL
43E	Syenite sil	15	25	175	3.50	8.00	250	0.28	4	61.25	140.00	HEL
44D	Syenite sil	8	15	100	1.20	2.50	250	0.28	4	21.00	43.75	HEL
45F	Taumsauk-Irondale						250					
	Complex	15	35				250					
	Taumsauk grv-sil	15	35	100	2.5	11	250	0.17	2	53.13	233.75	HEL
	Irondale grv-sil	15	35	100	2.5	11	250	0.17	4	26.56	116.88	HEL
50A	Ashton sil	0	3	250	0.10	0.37	250	0.32	5	1.60	5.92	NHEL
66	Haymond sil	0	1	175	0.10	0.15	250	0.37	5	1.85	2.78	NHEL
71B	Freeburg sil	1	3	175	0.15	0.34	250	0.37	5	2.78	6.29	NHEL
81A	Midco grv-sil	0	3	250	0.10	0.37	250	0.24	5	1.20	4.44	NHEL
82A	Elsah sil	0	3	175	0.10	0.34	250	0.37	3	3.08	10.48	PHEL
85A	Kaintuck-Piney Cmplx	0	3				250					
	Kaintuck fsl	0	3	100	0.08	0.29	250	0.24	5	0.96	3.48	NHEL
	Piney fsl	0	3	100	0.08	0.29	250	0.24	5	0.96	3.48	NHEL
88B	Hildebrecht sil	1	3	250	0.17	0.37	250	0.43	4	4.57	9.94	PHEL
88C	Hildebrecht sil	3	8	250	0.37	1.60	250	0.43	4	9.94	43.00	HEL
88D	Hildebrecht sil	8	15	200	1.40	3.50	250	0.43	4	37.63	94.06	HEL
11C	Lebanon sil	3	8	175	0.34	1.40	250	0.43	4	9.14	37.63	HEL
13D	Clarksville gr-sil	8	15	100	0.99	2.50	250	0.28	3	23.10	58.33	HEL
13F	Clarksville gr-sil	15	35	100	2.50	11.00	250	0.28	3	58.33	256.67	HEL
19D	Crider sil	8	15	250	1.60	4.00	250	0.32	5	25.60	64.00	HEL
19E	Crider sil	15	25	250	4.00	9.00	250	0.32	5	64.00	144.00	HEL
20D	Fourche sil	8	15	250	1.60	4	250	0.37	5	29.60	74.00	HEL
21B	Nicholson sil	1	3	250	0.17	0.37	250	0.43	3	6.09	13.26	PHEL
22E	Wilderness cbv-sil	15	25	100	2.5	6	250	0.28	4	43.75	105.00	HEL

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Madison County cont.

Map Unit Symbol	Map Unit Name	Slope % Min	Slope % Max	Slope Length	LS factor Min	LS factor Max	R	K	T	Erod. Index Min	Erod. Index Max	Class
23B	Gerald sil	1	3	250	0.17	0.37	250	0.37	3	5.24	11.41	PHEL
25A	Auxvasse sil	0	3	250	0.1	0.29	250	0.43	3	3.58	10.39	PHEL
27C3	Jonca sicl	3	8	250	0.37	1.6	250	0.43	4	9.94	43.00	HEL
29D	Viraton sil	8	15	175	1.4	3.5	250	0.43	4	37.63	94.06	HEL
31C	Lamotte sil	3	8	100	0.29	0.99	250	0.32	5	4.64	15.84	PHEL
31D	Lamotte sil	8	15	100	0.99	2.5	250	0.32	5	15.84	40.00	HEL
31D3	Lamotte cl	8	15	100	0.99	2.5	250	0.32	4	19.80	50.00	HEL
37D	Doniphan gr-sil	8	15	200	1.4	3.5	250	0.28	5	19.60	49.00	HEL
39D	Lily loam	8	15	200	1.4	3.5	250	0.28	2	49.00	122.50	HEL
40E	Ramsey stv-sl	8	25	100	0.99	6	250	0.1	1	24.75	150.00	HEL
41E	Gasconade fl-sicl	8	35	100	0.99	11	250	0.2	2	24.75	275.00	HEL
51A	Razort sil	1	3	150	0.15	0.32	250	0.37	5	2.78	5.92	NHEL
52B	Secesh sil	1	3	200	0.16	0.35	250	0.32	4	3.20	7.00	NHEL

Russell C Gill 11-09-94