

### Appendage to: Madison County's HEL List

Madison County, Missouri	Slope percent			Erosion Factors				Average L	HEL Map Unit
Map Unit Symbol and Component Name	Low	High	RV	Kw	Kf	T	I		
73055--Alred-Rueter*	15	35	25	0.10	0.32	4	0	100	HEL
73139--Poynor-Clarksville-Scholten*	8	15	12	0.15	0.37	3	0	100	HEL
73140--Clarksville-Scholten	15	45	30	0.28	0.28	3	0	100	HEL
73141--Firebaugh*	3	8	6	0.49	0.49	4	56	175	HEL
73142--Firebaugh*	8	15	12	0.37	0.49	4	56	175	HEL
73143--Courtois	3	8	5	0.37	0.37	4	56	250	HEL
73144--Courtois	8	15	11	0.37	0.37	4	56	175	HEL
73145--Crider	3	8	5	0.32	0.32	5	56	100	PHEL
73146--Marquand*	3	8	6	0.49	0.49	5	56	200	HEL
73147--Fourche	3	8	5	0.37	0.37	5	56	250	PHEL
73148--Jonca	3	8	6	0.43	0.43	4	56	250	HEL
73149--Caneyville-Bucklick	3	8	6	0.43	0.43	3	56	175	HEL
73150--Caneyville-Bucklick*	8	15	12	0.32	0.32	2	56	150	HEL
73151--Caneyville-Gasconade-Bucklick*	15	25	20	0.32	0.32	2	56	100	HEL
73152--Lily-Ramsey*	3	8	6	0.28	0.28	2	56	200	HEL
73153--Lily-Ramsey	8	15	12	0.28	0.28	2	56	200	HEL
73154--Ramsey-Rock outcrop	8	25	17	0.10	0.10	1	86	100	HEL
73155--Gasconade-Rock outcrop*	3	35	18	0.10	0.10	1	0	100	PHEL
73156--Alred-Gepp*	8	15	12	0.10	0.28	4	0	200	HEL
73157--Captina*	3	8	6	0.43	0.43	3	56	200	HEL
74644--Deible*	1	3	2	0.43	0.43	3	56	250	PHEL
74645--Higdon*	1	3	2	0.43	0.43	5	56	175	NHEL
74646--Cornwall*	3	8	6	0.43	0.43	4	56	175	HEL
74647--Cornwall*	8	15	12	0.43	0.43	4	56	175	HEL
74648--Aslinger*	3	8	6	0.32	0.37	5	56	250	PHEL

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74649--Aslinger-Waben*	3	15	9	0.37	0.37	4	56	150	PHEL
74650--Higdon*	0	3	1.5	0.37	0.37	5	56	175	NHEL
74684--Racoon*	0	3	1.5	0.37	0.37	5	56	100	NHEL
75381--Bearthicket*	0	3	1.5	0.49	0.49	5	56	250	PHEL
75395--Jamesfin*	0	3	1	0.43	0.43	5	56	100	NHEL
75408--Secesh	0	3	1.5	0.32	0.32	4	56	200	NHEL
75409--Relfe*	0	3	2	0.05	0.05	5	0	100	NHEL
75410--Relfe*	0	3	2	0.05	0.05	5	0	100	NHEL
75411--Tilk*	0	3	2	0.10	0.20	5	0	80	NHEL
75416--Gladden*	0	3	2	0.37	0.37	4	86	75	NHEL
77000--Killarney-Frenchmill	15	45	30	0.10	0.10	4	0	175	HEL
77001--Loughboro	0	3	2	0.37	0.37	3	56	250	PHEL
77002--Delassus	3	8	6	0.37	0.37	4	56	250	HEL
77003--Delassus	8	15	12	0.37	0.37	4	56	175	HEL
77004--Iroindale	15	35	25	0.17	0.17	4	0	150	HEL
77005--Hassler-Syenite*	8	25	16	0.24	0.24	3	56	100	HEL
77006--Roselle*	3	8	6	0.43	0.43	5	56	250	HEL
77007--Taumsauk-Iroindale-Rock outcrop	15	45	25	0.17	0.17	2	0	100	HEL
77008--Hassler*	3	15	8	0.10	0.32	3	56	250	PHEL
77009--Trackler*	3	8	6	0.37	0.37	3	56	100	HEL
77010--Trackler-Iroindale*	8	15	11	0.37	0.37	2	0	100	HEL
78250--Skrainka*	3	8	6	0.37	0.37	5	56	150	PHEL
78251--Skrainka*	8	15	12	0.17	0.24	5	48	150	HEL
99006--Psamments*	1	8	3	NR	NR	NR	NR	NR	NR
99008--Udorthents-Dumps*	3	8	5	NR	NR	NR	NR	NR	NR

\* - New map unit for the survey area.

NR - No Rated.

RV - Representative value or average value used in the county.

Kw - Soil erodibility factor for the whole soil. It is a relative value that is used to describe the resistance of a soil to detachment and transport by water. Used in RUSLE2.

Kf - Soil erodibility factor for the fine-earth fraction of the soil. It is a relative value that is used to describe the resistance of soil to detachment and transport by water. Values in RUSLE were derived from this factor.

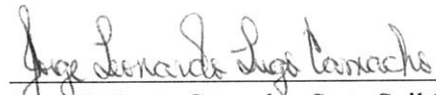
T - Soil loss tolerance. Maximum amount [Tons (T)] of annual erosion that can occur on the soil and still maintain a quality growth medium for plants.

I - Wind Erodibility Index. The index number indicates the amount of soil lost in tons per acre per year. Used in the wind erosion equation (WEQ).

Ave L - Average Length (L) of slope. Distance from the point of overland flow to the point of deposition or concentration. Used in the USLE, RUSLE, and RUSLE2 office evaluations. When used in RUSLE and RUSLE2, the value must be "ground truthed" on the next field visit and documented in a case file.

HEL Map unit - A soil map unit determination.

USLE Rainfall Factor = 250.



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3/27/2014

Date