

Appendage to: Osage County's HEL List

Osage County, Missouri	Slope percent			Erosion Factors				Average L	HEL Map Unit
Map Unit Symbol and Component Name	Low	High	RV	Kw	Kf	T	I		
15002--McGirk*	1	3	2	0.43	0.43	3	48	150	PHEL
60001--Menfro	5	9	7	0.37	0.37	5	48	130	HEL
60002--Menfro	5	9	7	0.37	0.37	5	48	130	HEL
60003--Menfro	9	14	12	0.37	0.37	5	48	120	HEL
60004--Menfro	14	20	17	0.37	0.37	5	48	110	HEL
60005--Menfro	20	35	28	0.37	0.37	5	48	100	HEL
60006--Marion	2	5	3	0.43	0.43	3	48	150	PHEL
60007--Menfro--Gatewood	20	50	35	0.37	0.37	5	48	80	HEL
64000--Racoon	0	3	1	0.37	0.37	3	48	75	NHEL
64001--Freeburg	0	3	2	0.37	0.37	5	48	125	NHEL
64002--Freeburg*	1	3	2	0.37	0.37	5	48	120	NHEL
64003--Freeburg*	3	8	6	0.37	0.37	5	48	100	PHEL
66003--Jemerson*	0	3	2	0.37	0.37	5	48	120	NHEL
66004--Dockery	0	2	1	0.37	0.37	5	48	75	NHEL
66005--Deible*	0	2	1	0.43	0.43	3	56	100	NHEL
66006--Waldron	0	2	1	0.32	0.32	5	38	80	NHEL
66007--Leta	0	2	1	0.28	0.28	5	86	80	NHEL
66008--Leta	0	2	1	0.28	0.28	5	86	80	NHEL
66009--Haynie	0	2	1	0.37	0.37	5	86	80	NHEL
66010--Sarpy	0	2	1	0.15	0.15	5	250	80	NHEL
66011--Moville*	0	2	1	0.37	0.37	5	86	80	NHEL
66012--Blake	0	2	1	0.37	0.37	5	86	80	NHEL
66013--Waldron	0	2	1	0.32	0.32	5	38	80	NHEL
70028--Moko--Rock outcrop*	3	15	9	0.24	0.43	1	0	100	HEL
70029--Moko--Rock outcrop	14	50	32	0.24	0.37	5	0	100	HEL
73035--Gravois*	8	15	11	0.37	0.37	4	56	130	HEL

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	Low	High	RV	Kw	Kf	T	I		
73088--Rueter*	8	15	12	0.28	0.37	3	0	140	HEL
73089--Rueter*	15	35	25	0.28	0.37	3	0	100	HEL
73090--Useful*	3	8	6	0.37	0.37	4	48	140	PHEL
73091--Useful*	8	15	12	0.37	0.37	4	48	130	HEL
73092--Gatewood*	3	8	7	0.28	0.43	2	0	170	HEL
73093--Gatewood	8	15	12	0.32	0.43	3	0	150	HEL
73094--Gatewood	15	35	25	0.32	0.43	3	0	130	HEL
73095--Gravois*	15	20	17	0.37	0.37	4	56	100	HEL
73096--Swiss*	8	15	12	0.32	0.37	3	0	130	HEL
73097--Swiss*	15	35	25	0.32	0.37	3	0	100	HEL
73098--Plato*	1	3	2	0.43	0.43	4	56	150	NHEL
73099--Plato*	3	8	6	0.43	0.43	4	56	140	PHEL
73100--Wrengart*	2	5	4	0.37	0.37	4	56	160	PHEL
73101--Wrengart*	5	9	7	0.37	0.37	4	56	150	HEL
73102--Wrengart*	5	9	7	0.37	0.37	4	56	150	HEL
73103--Wrengart*	9	14	12	0.37	0.37	4	56	130	HEL
73104--Wrengart*	14	20	17	0.37	0.37	4	56	100	HEL
73105--Wrengart-Gatewood*	14	35	25	0.37	0.37	4	56	100	HEL
73106--Mariosa*	0	2	1	0.43	0.43	5	48	200	NHEL
73107--Wrengart-Swiss*	5	9	7	0.37	0.37	4	56	150	HEL
73108--Gravois--Gatewood*	3	8	6	0.37	0.37	4	56	130	PHEL
73109--Alred*	15	35	25	0.10	0.32	4	0	100	HEL
73110--Gravois-Gatewood*	15	35	25	0.37	0.37	4	56	130	HEL
73112--Gunlock*	3	8	6	0.37	0.37	4	56	150	PHEL
73135--Union*	3	8	6	0.43	0.43	4	56	100	PHEL
74633--Hartville*	1	3	2	0.43	0.43	5	48	120	NHEL
74634--Hartville*	3	8	6	0.43	0.43	5	48	75	PHEL

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74635--Tanglenook	0	2	1	0.37	0.37	5	86	75	NHEL
75376--Cedargap*	0	3	1	0.24	0.32	5	0	100	NHEL
75391--Possumtrot*	0	3	1	0.24	0.24	4	86	75	NHEL
75395--Jamesfin*	0	3	1	0.43	0.43	5	56	75	NHEL
75398--Kaintuck	0	3	2	0.24	0.24	5	86	75	NHEL
75399--Jamesfin*	0	3	1	0.43	0.43	5	56	75	NHEL
75400--Gladden	0	3	2	0.32	0.32	4	56	75	NHEL
75407--Gabriel*	0	2	1	0.32	0.32	5	48	75	NHEL
99000--Pits, quarries	NR	NR	NR	NR	NR	NR	NR	NR	NR
99001--Water	NR	NR	NR	NR	NR	NR	NR	NR	NR
99003--Miscellaneous water	NR	NR	NR	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.

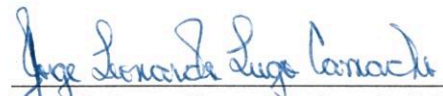
T - Soil loss tolerance. Maximum amount [Tons (T)] of annual erosion that can occur on the soil and still maintain a quality growth medium for plants.

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 = 225.



Jorge L. Lugo-Camacho, State Soil Scientist

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Date