

Appendage to: Maries County's HEL List

Maries County, Missouri		Slope percent		Erosion Factors				Average L	HEL Map Unit
Map Unit Symbol and Component Name	Low	High	Kw	Kf	T	I			
64000--Raccoon	0	3	0.37	0.37	5	48	75	NHEL	
64001--Freeburg	0	3	0.37	0.37	5	48	100	NHEL	
66003--Jemerson	0	2	0.37	0.37	5	48	75	NHEL	
66005--Deible	0	2	0.43	0.43	3	56	100	NHEL	
70028--Moko-Rock outcrop	3	15	0.24	0.37	1	0	120	HEL	
70028--Moko-Rock outcrop	3	15	NR	NR	NR	NR	NR	NR	
70029--Moko-Rock outcrop	15	50	0.24	0.37	1	0	75	HEL	
70029--Moko-Rock outcrop	15	50	NR	NR	NR	NR	NR	HEL	
73012--Gravois	3	8	0.37	0.37	4	56	164	PHEL	
73035--Gravois	8	15	0.37	0.37	4	56	131	HEL	
73088--Rueter	8	15	0.28	0.37	3	0	141	HEL	
73089--Rueter	15	35	0.28	0.37	3	0	98	HEL	
73090--Useful	3	8	0.37	0.37	4	48	140	PHEL	
73091--Useful	8	15	0.37	0.37	4	48	110	HEL	
73092--Gatewood	3	8	0.28	0.43	2	0	130	HEL	
73093--Gatewood	8	15	0.28	0.43	2	0	130	HEL	
73094--Gatewood	15	35	0.28	0.43	2	0	100	HEL	
73095--Gravois	15	20	0.37	0.37	4	56	98	HEL	
73097--Swiss	15	35	0.32	0.37	3	0	100	HEL	
73098--Plato	1	3	0.43	0.43	4	56	150	NHEL	
73106--Mariosa	0	2	0.43	0.43	5	48	120	NHEL	
73108--Gravois-Gatewood	3	8	0.37	0.37	4	56	140	PHEL	
73108--Gravois-Gatewood	3	8	0.28	0.43	2	0	168	HEL	
73109--Alred	15	35	0.10	0.32	4	0	75	HEL	
73112--Gunlock	3	8	0.37	0.37	4	56	140	PHEL	
73135--Union	3	8	0.43	0.43	4	56	140	PHEL	

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73136--Union	1	3	0.43	0.43	4	56	160	PHEL	
73158--Cotton	3	8	0.37	0.37	3	56	180	HEL	
73165--Knobby-Rock outcrop-Bardley	35	75	0.10	0.20	1	0	98	HEL	
73165--Knobby-Rock outcrop-Bardley	35	75	NR	NR	NR	NR	NR	HEL	
73165--Knobby-Rock outcrop-Bardley	35	75	0.28	0.37	2	0	98	HEL	
73168--Swiss	3	15	0.32	0.37	4	0	98	PHEL	
73192--Beemont	3	8	0.20	0.32	3	0	98	PHEL	
73193--Beemont	8	15	0.20	0.32	3	0	98	HEL	
73194--Beemont	15	35	0.20	0.32	3	0	75	HEL	
73195--Useful-Moko	3	8	0.37	0.37	4	48	98	PHEL	
73195--Useful-Moko	3	8	0.24	0.37	1	0	75	HEL	
73196--Mariosa	1	3	0.43	0.43	4	48	120	NHEL	
74633--Hartville	1	3	0.43	0.43	5	48	120	NHEL	
74634--Hartville	3	8	0.43	0.43	5	48	120	PHEL	
74656--Deible	1	5	0.43	0.43	3	56	100	PHEL	
75376--Cedargap	0	3	0.24	0.32	5	0	75	NHEL	
75389--Hacreek	0	2	0.32	0.32	5	48	131	NHEL	
75395--Jamesfin	0	3	0.43	0.43	5	56	75	NHEL	
75398--Kaintuck	0	3	0.24	0.24	5	86	75	NHEL	
75399--Jamesfin	0	3	0.43	0.43	5	56	75	NHEL	
75400--Gladden	0	3	0.32	0.32	4	56	100	NHEL	
75408--Secesh	0	3	0.32	0.32	5	56	100	NHEL	
99000--Pits, quarries	NR	NR	NR	NR	NR	NR	NR	NR	
99001--Water	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 acase file.

HEL Map unit - A soil map unit determination.

USLE Rainfall Factor = 225.



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7/27/2017

Date