

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

Miller 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	130	PHEL
64002--Freeburg*	1	3	2	0.37	0.37	5	48	120	NHEL
64007--Freeburg*	0	2	1	0.37	0.37	5	48	125	NHEL
70008--Goss*	3	8	6	0.10	0.37	3	0	210	PHEL
70009--Goss*	8	15	12	0.10	0.37	3	0	200	HEL
70023--Eldon*	3	8	6	0.24	0.28	3	0	220	PHEL
70024--Goss*	15	35	25	0.10	0.37	3	0	210	HEL
70028--Moko-Rock outcrop*	3	15	9	0.24	0.37	1	0	100	HEL
70029--Moko-Rock outcrop*	15	50	32	0.24	0.37	1	0	100	HEL
70046--Sacville*	2	5	4	0.32	0.32	4	48	130	PHEL
73012--Gravois*	3	8	6	0.37	0.37	4	56	160	PHEL
73035--Gravois*	8	15	11	0.37	0.37	4	56	130	HEL
73040--Maplewood*	2	5	3	0.37	0.37	3	48	180	PHEL
73041--Maplewood*	5	9	7	0.37	0.37	3	48	180	HEL
73042--Niangua-Bardley	15	50	33	0.24	0.37	3	0	320	HEL
73047--Bardley-Moko*	3	15	9	0.28	0.37	2	0	190	HEL
73048--Rueter*	3	8	6	0.28	0.37	3	0	160	PHEL
73050--Rock outcrop-Bardley	35	99	67	NR	NR	NR	NR	NR	NR
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
73093--Gatewood*	8	15	12	0.28	0.43	2	0	150	HEL
73094--Gatewood*	15	35	25	0.28	0.43	2	0	130	HEL
73099--Plato*	3	8	6	0.43	0.43	4	56	140	PHEL
73104--Wrengart*	14	20	17	0.37	0.37	4	56	100	HEL
73112--Gunlock	3	8	6	0.37	0.37	4	56	150	PHEL

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Map Unit Symbol and Component Name	Low	High	RV	Kw	Kf	T	I		
73136--Union*	1	3	2	0.43	0.43	4	56	120	NHEL
73190--Winnipeg*	3	8	6	0.37	0.37	5	56	150	PHEL
73250--Gatewood-Moko*	3	8	6	0.32	0.37	2	0	130	HEL
73251--Gatewood-Moko*	8	20	11	0.32	0.37	2	0	130	HEL
73252--Pomme*	8	20	12	0.32	0.32	5	56	150	HEL
73253--Ocie*	3	8	4	0.24	0.37	3	0	180	PHEL
73254--Ocie*	8	15	12	0.24	0.37	3	0	180	HEL
73255--Ocie*	15	35	15	0.15	0.37	3	0	200	HEL
73256--Arkana*	3	8	6	0.28	0.37	2	0	75	HEL
74634--Hartville*	3	8	6	0.43	0.43	5	48	75	PHEL
74678--Racoon*	0	2	1	0.37	0.37	5	48	75	NHEL
75376--Cedargap	0	3	1	0.24	0.32	5	0	110	NHEL
75378--Sturkie*	0	2	1	0.37	0.37	5	56	150	NHEL
75385--Gabriel*	0	2	1	0.32	0.32	5	48	130	NHEL
75387--Hacreek*	0	2	1	0.32	0.32	5	48	130	NHEL
75395--Jamesfin*	0	3	1	0.43	0.43	5	56	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
75415--Jemerson*	0	3	2	0.37	0.37	5	48	180	NHEL
75421--Racket*	0	3	2	0.32	0.32	5	48	170	NHEL
75425--Cedargap, rarely flooded-Pomme*	1	3	2	0.24	0.32	5	0	110	NHEL
75453--Sturkie*	0	2	1	0.37	0.37	5	56	200	NHEL
75455--Gabriel*	0	2	1	0.37	0.37	5	48	100	NHEL
99000--Pits, quarries	NR	NR	NR	NR	NR	NR	NR	NR	NR
99001--Water	NR	NR	NR	NR	NR	NR	NR	NR	NR
99007--Dam	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.

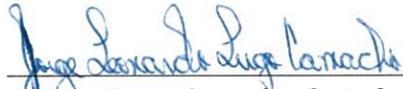
T - Soil loss tolerance. Maximum amount [Tons (T)] of annual erosion that can occur on the soil and still maintain a quality growth medium for plants.

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.



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