

Appendage to: Cole County's HEL List

Cole County, Missouri Map Unit Symbol and Component Name	Slope percent			Erosion Factors				Average L	HEL Map Unit
	Low	High	RV	Kw	Kf	T	I		
15002--McGirk	1	3	2	0.43	0.43	3	48	120	PHEL
60001--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	120	HEL
60005--Menfro	20	35	28	0.37	0.37	5	48	100	HEL
60051--Harvester*	3	15	7	0.32	0.32	5	48	100	NHEL
60052--Udorthents*	3	15	9	0.20	0.28	5	48	100	PHEL
64002--Freeburg	1	3	2	0.37	0.37	5	48	125	NHEL
64007--Freeburg	0	2	1	0.37	0.37	5	48	125	NHEL
64010--Freeburg	0	3	2	0.37	0.37	5	48	125	NHEL
64011--Kliever*	2	5	3	0.24	0.24	5	86	150	NHEL
64012--Kliever*	5	9	7	0.24	0.24	5	86	150	PHEL
64013--Kliever*	9	14	12	0.24	0.24	5	86	150	HEL
64014--Kliever*	14	20	17	0.24	0.24	5	86	150	HEL
66000--Moniteau*	0	2	1	0.37	0.37	5	48	200	NHEL
66004--Dockery	0	2	1	0.37	0.37	5	48	75	NHEL
66006--Waldron	0	2	1	0.32	0.32	5	38	90	NHEL
66009--Haynie	0	2	1	0.37	0.37	5	86	90	NHEL
66010--Sarpy*	0	2	1	0.15	0.15	5	250	80	NHEL
66026--Blake	0	2	1	0.37	0.37	5	86	90	NHEL
66027--Haynie	0	2	1	0.37	0.37	5	86	90	NHEL
66028--Leta*	0	2	1	0.32	0.32	5	86	130	NHEL
70023--Eldon	3	8	6	0.24	0.24	2	0	243	HEL
70029--Moko*	14	50	32	0.24	0.37	1	0	125	HEL
70046--Sacville*	2	5	4	0.32	0.32	4	48	135	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

Appendage to: Cole County's HEL List									
Cole County, Missouri	Slope percent			Erosion Factors				Average L	HEL Map Unit
Map Unit Symbol and Component Name	Low	High	RV	Kw	Kf	T	I		
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--Bardley-Niangua*	15	50	33	0.28	0.37	2	0	170	HEL
73048--Rueter*	3	8	6	0.28	0.37	3	0	170	PHEL
73050--Bardley*	35	99	67	0.28	0.37	2	0	170	HEL
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
73095--Gravois*	15	20	17	0.37	0.37	4	56	100	HEL
73101--Wrengart*	5	9	7	0.37	0.37	4	56	150	HEL
73112--Gunlock*	3	8	6	0.37	0.37	4	56	150	PHEL
73250--Gatewood-Moko	3	8	6	0.32	0.32	3	0	168	HEL
73251--Gatewood-Moko	8	20	11	0.32	0.32	3	0	130	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
73257--Caneyville*	3	8	6	0.37	0.37	2	56	140	HEL
73258--Cotton*	1	3	2	0.37	0.37	4	56	130	NHEL
73259--Cotton	3	8	6	0.37	0.37	4	56	130	HEL
73260--Maplewood*	2	5	3	0.37	0.37	3	48	180	PHEL
73261--Wrengart*	5	9	7	0.37	0.37	4	56	150	HEL
73262--Wrengart*	9	14	12	0.37	0.37	4	56	130	HEL
73263--Wrengart*	14	20	17	0.37	0.37	4	56	100	HEL
74634--Hartville	3	8	6	0.43	0.43	3	48	120	HEL
74659--Deible*	0	2	1	0.43	0.43	3	56	100	NHEL
74678--Racoon	0	2	1	0.37	0.37	3	48	75	NHEL
75376--Cedargap	0	3	1	0.24	0.24	5	0	75	NHEL

Appendage to: Cole County's HEL List

Cole County, Missouri Map Unit Symbol and Component Name	Slope percent			Erosion Factors				Average L	HEL Map Unit
	Low	High	RV	Kw	Kf	T	I		
75387--Hacreek*	0	2	1	0.32	0.32	5	48	130	NHEL
75399--Jamesfin*	0	3	1	0.43	0.43	5	56	75	NHEL
75415--Jemerson*	0	3	2	0.37	0.37	5	48	180	NHEL
75456--Racket*	0	3	2	0.32	0.32	5	48	75	NHEL
75457--Jamesfin*	0	3	1	0.43	0.43	5	56	75	NHEL
75458--Tanglenook*	0	2	1	0.32	0.32	5	48	275	NHEL
99012--Urban land	3	15	9	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.

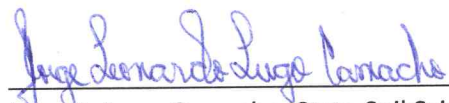
T - Soil loss tolerance. Maximum amount [Tons (T)] of annual erosion that can occur on the soil and still maintain a quality growth medium for plants.

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 the case file.

HEL Mapunit - A soil map unit determination.

USLE Rainfall Factor = 225



Jorge L. Lugo-Camacho, State Soil Scientist

03/18/14

Date