

**Appendage to:
Polk County's HEL List**

Polk County, Missouri Map Symbol and Component Name	Slope percent			Erosion Factors				Ave L	Hel Mapunit
	Low	High	RV	Kw	Kf	T	I		
15000--Basehor	3	15	9	0.17	0.24	1	86	194	HEL
15001--Basehor	15	35	18	0.1	0.1	1	0	194	HEL
15002--Mcgirk	1	3	2	0.49	0.49	3	48	154	PHEL
40000--Barden	1	3	2	0.43	0.43	3	48	279	PHEL
40001--Bolivar	3	8	6	0.28	0.28	3	56	217	HEL
40002--Liberal	3	8	6	0.37	0.37	4	48	203	HEL
46000--Humansville	0	3	1	0.37	0.37	5	48	164	NHEL
66000--Moniteau	0	2	1	0.49	0.49	5	48	161	NHEL
66001--Dameron	0	3	1	0.32	0.32	4	48	102	NHEL
70000--Bona	3	8	5	0.2	0.37	3	0	243	PHEL
70001--Bona	8	15	12	0.17	0.32	3	0	243	HEL
70002--Alsup	3	8	6	0.37	0.55	4	0	217	HEL
70003--Alsup	8	15	12	0.24	0.55	4	0	217	HEL
70004--Alsup	15	35	25	0.28	0.37	4	0	217	HEL
70005--Blueye	3	15	9	0.15	0.2	2	0	167	HEL
70005--Moko	3	15	9	0.1	0.28	1	0	151	HEL
70006--Crelton	1	3	2	0.37	0.37	4	56	223	PHEL
70007--Cliquot	8	15	15	0.24	0.37	4	0	217	HEL
70008--Goss	3	8	6	0.28	0.49	2	0	177	HEL
70009--Goss	8	15	12	0.2	0.37	2	0	177	HEL
70010--Goss	15	35	25	0.1	0.32	2	0	177	HEL
70011--Goss	15	35	25	0.17	0.43	2	0	177	HEL
70011--Moko	3	15	9	0.1	0.28	1	0	174	HEL
70012--Hoberg	2	5	4	0.43	0.43	4	48	243	PHEL
70013--Moko	3	15	9	0.1	0.28	1	0	174	HEL
70014--Moko	15	35	25	0.1	0.28	1	0	174	HEL
70014--Rock outcrop									HEL
70015--Pembroke	2	5	4	0.43	0.43	4	48	230	NHEL
70016--Goodson	1	3	2	0.37	0.43	3	56	200	NHEL
70017--Goodson	3	8	6	0.24	0.37	3	0	200	PHEL
70018--Goodson	8	15	12	0.24	0.32	3	0	200	HEL
70039--Sacville	1	3	2	0.32	0.32	4	38	223	PHEL
73000--Pomme	3	8	6	0.32	0.37	5	56	151	PHEL
73001--Glensted	0	2	1	0.49	0.49	3	48	180	NHEL
73002--Ocie	8	15	12	0.2	0.37	3	0	167	HEL
73002--Gatewood	8	15	12	0.24	0.37	2	0	167	HEL
73003--Ocie	15	35	25	0.1	0.37	3	0	203	HEL
73003--Gatewood	15	35	25	0.2	0.43	2	0	167	HEL
73004--Ocie	8	25	16	0.17	0.37	3	0	203	HEL
73005--Ocie	3	15	9	0.15	0.37	3	0	203	PHEL
73006--Peridge	2	5	4	0.43	0.43	5	56	141	PHEL
73007--Plato	1	3	2	0.55	0.55	4	56	151	PHEL
73008--Viraton	2	5	4	0.43	0.43	4	48	223	PHEL
73009--Viraton	5	9	7	0.32	0.32	4	48	223	HEL
73010--Wilderness	3	8	3	0.32	0.49	3	0	180	HEL

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	Low	High	RV	Kw	Kf	T	I		
74625--Hartville	3	8	3	0.49	0.49	5	48	285	HEL
75375--Horsecreek	0	2	1	0.43	0.43	5	56	128	NHEL
75376--Cedargap	0	3	2	0.17	0.28	5	0	112	NHEL
75377--Racket	0	3	2	0.28	0.32	5	48	98	NHEL
75378--Sturkie	0	2	1	0.37	0.37	5	56	141	NHEL
99000--Pits, quarries									
99001--Water									
99003--Miscellaneous water									

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 a 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 = 250


 Dennis K. Potter, State Soil Scientist 09/18/2006
 DATE