

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

Jasper County, Missouri Map Symbol and Component Name	Slope percent			Erosion Factors				Ave L	Hel Mapunit
	Low	High	RV	Kw	Kf	T	I		
40000--Barden	1	3	2	0.43	0.43	3	48	151	PHEL
40011--Barco	1	3	2	0.32	0.32	3	56	249	PHEL
40015--Eldorado, very stony	1	3	2	0.32	0.37	5	38	253	NHEL
40016--Eldorado, very stony	3	8	5	0.15	0.37	5	38	253	PHEL
40017--Maplegrove	1	3	2	0.49	0.49	3	56	98	PHEL
40018--Medoc	0	1	0	0.55	0.55	3	56	174	NHEL
40019--Newtonia	1	3	2	0.37	0.37	5	56	200	NHEL
40019--Eldorado	1	3	2	0.32	0.37	5	38	253	NHEL
40020--Newtonia, moderately eroded	1	3	2	0.37	0.37	5	56	200	NHEL
40020--Eldorado, moderately eroded	1	3	2	0.32	0.37	5	38	253	NHEL
40021--Opolis	1	15	11	0.55	0.55	3	56	174	PHEL
40022--Opolis	0	1	0	0.55	0.55	3	56	174	NHEL
40023--Opolis	1	3	2	0.55	0.55	3	56	174	PHEL
40024--Opolis, moderately eroded	1	3	2	0.49	0.49	3	56	174	PHEL
40026--Sylvania	1	3	2	0.24	0.37	3	56	200	PHEL
40027--Sylvania	3	8	5	0.2	0.37	3	56	98	HEL
40028--Sylvania	3	8	5	0.15	0.24	3	56	200	HEL
40029--Sylvania	8	15	11	0.17	0.24	3	56	98	HEL
44000--Cherokee	0	1	1	0.49	0.49	3	56	299	NHEL
44002--Carl, rarely flooded	0	1	0	0.37	0.37	5	86	299	NHEL
44004--McCune	0	1	1	0.49	0.49	5	48	174	NHEL
46001--Verdigris, frequently flooded	0	1	1	0.28	0.28	5	48	85	NHEL
46002--Hepler, occasionally flooded	0	1	1	0.37	0.37	5	56	174	NHEL
46004--Osage, occasionally flooded	0	1	0	0.37	0.37	5	86	98	NHEL
46005--Verdigris, occasionally flooded	0	1	1	0.37	0.37	5	48	85	NHEL
70006--Credon	1	3	2	0.32	0.37	4	56	223	PHEL
70012--Hoberg	2	5	4	0.32	0.37	4	48	243	PHEL
70045--Keeno	3	8	6	0.24	0.37	4	0	262	PHEL
70056--Crackerneck	8	15	11	0.02	0.37	4	56	115	PHEL
70057--Crackerneck	15	35	25	0.02	0.37	4	56	115	HEL
70058--Crackerneck	3	8	5	0.17	0.43	4	56	240	NHEL
70059--Goss, rocky	15	35	25	0.1	0.37	2	0	177	HEL
70060--Hoberg	1	3	2	0.43	0.43	4	48	200	PHEL
70060--Eldorado	1	3	2	0.32	0.37	5	38	253	PHEL
70060--Pomme	1	3	2	0.37	0.37	5	56	200	PHEL
70061--Pomme	1	3	2	0.37	0.37	5	56	200	NHEL
70062--Pomme	1	3	2	0.37	0.37	5	56	200	NHEL
70062--Rueter	1	3	2	0.15	0.43	3	0	207	NHEL
70063--Rueter	8	15	11	0.1	0.43	3	0	207	HEL
70064--Rueter	1	3	2	0.15	0.43	3	0	207	PHEL
70065--Rueter	3	8	5	0.15	0.43	3	0	207	HEL
70066--Winnipeg	1	3	2	0.37	0.37	5	56	151	NHEL
71751--Bearthicket, occasionally flooded	0	1	0	0.37	0.37	5	56	151	NHEL
73031--Gerald	0	2	1	0.64	0.64	4	48	302	PHEL
75376--Cedargap	0	3	1	0.17	0.28	5	0	112	NHEL

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Jasper County's HEL List**

Jasper County, Missouri Map Symbol and Component Name	Slope percent			Erosion Factors				Ave L	Hel Mapunit
	Low	High	RV	Kw	Kf	T	I		
99000--Pits, quarries									
99001--Water									
99002--Borrow pits									
99003--Miscellaneous water									
99011--Kanima	3	50	6	0.1	0.32	2	38	98	PHEL

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.

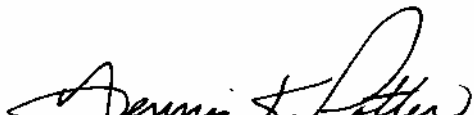
T-Soil loss tolerance. Maximum amount [Tons (T)] of annual erosion that can occur on the soil and still maintain a quality growth medium for plants.

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

  
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DATE