

Appendage to: Phelps County's HEL List

Phelps County, Missouri	Slope percent			Erosion Factors				Average L	HEL Map Unit
Map Unit Symbol and Component Name	Low	High	RV	Kw	Kf	T	I		
66014--Haymond	0	3	1	0.37	0.37	5	56	100	NHEL
70028--Moko-Rock outcrop	3	15	9	0.24	0.37	1	0	100	HEL
73013--Lowassie*	0	3	1	0.37	0.37	5	56	200	NHEL
73032--Gatewood	3	15	9	0.28	0.43	3	0	150	HEL
73039--Glensted	1	3	2	0.32	0.32	3	48	150	PHEL
73053--Lily-Bender	3	15	8	0.28	0.28	2	86	150	HEL
73066--Bender	3	15	8	0.24	0.24	2	0	150	HEL
73067--Bender-Rock outcrop*	15	35	33	0.10	0.24	2	0	100	HEL
73080--Alred-Bardley-Rock outcrop*	15	60	27	0.10	0.28	4	0	75	HEL
73087--Celt	1	3	2	0.43	0.43	4	56	150	NHEL
73089--Rueter*	15	35	25	0.28	0.37	3	0	100	HEL
73094--Gatewood	15	35	25	0.28	0.43	3	0	100	HEL
73098--Plato*	1	3	2	0.43	0.43	4	56	150	NHEL
73135--Union	3	8	6	0.43	0.43	4	56	175	HEL
73136--Union	1	3	2	0.43	0.43	4	56	120	NHEL
73159--Yelton	3	8	5	0.43	0.43	4	56	145	PHEL
73160--Hobson*	8	15	12	0.37	0.37	4	48	100	HEL
73161--Alred-Rueter*	3	15	12	0.10	0.32	4	0	150	PHEL
73162--Alred-Rueter*	15	35	25	0.10	0.32	4	0	150	HEL
73163--Bardley-Alred-Gasconade*	25	65	33	0.28	0.37	2	0	100	HEL
73164--Bender-Rock outcrop	35	65	50	0.24	0.24	4	0	70	HEL
73165--Knobby-Rock outcrop-Bardley*	35	75	45	0.10	0.20	1	0	100	HEL
73166--Viburnum-Tonti	1	8	5	0.37	0.37	4	48	175	PHEL
73168--Swiss*	3	15	10	0.32	0.37	4	0	130	PHEL
73169--Beemont-Gatewood	15	35	25	0.32	0.32	3	0	100	HEL
73170--Beemont-Gatewood	3	15	9	0.32	0.32	3	0	150	PHEL

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73171--Plato*	3	8	6	0.43	0.43	4	56	150	PHEL
73172--Rosati*	1	5	3	0.43	0.43	4	56	150	PHEL
73173--Lily-Yelton	3	8	6	0.28	0.28	2	56	145	HEL
73174--Lily-Yelton	8	15	12	0.28	0.28	2	86	125	HEL
73175--Poynor-Bendavis	1	8	5	0.28	0.43	5	0	145	PHEL
73176--Bendavis-Poynor	8	15	12	0.28	0.37	3	56	150	HEL
73178--Bendavis	15	35	25	0.28	0.37	3	56	100	HEL
73179--Viraton-Wilderness	3	15	7	0.43	0.43	4	48	125	HEL
73180--Gatewood-Gasconade*	3	15	9	0.28	0.43	2	0	150	HEL
73181--Useful-Gatewood*	8	15	12	0.37	0.37	4	48	150	HEL
73182--Lebanon	1	3	2	0.43	0.43	4	56	120	NHEL
73183--Scholten-Tonti	3	15	9	0.28	0.37	2	0	125	HEL
73184--Knobby-Rock outcrop	5	35	15	0.24	0.24	1	0	125	HEL
73186--Bardley-Alred-Gasconade*	25	65	33	0.28	0.37	2	0	100	HEL
73187--Bender-Rock outcrop*	15	50	33	0.10	0.24	2	0	70	HEL
73188--Bendavis-Poynor*	3	15	12	0.15	0.37	2	56	150	PHEL
73189--Useful-Gatewood*	3	8	6	0.37	0.37	4	48	120	PHEL
74634--Hartville	3	8	6	0.43	0.43	3	48	150	HEL
74652--Lecoma	1	8	6	0.37	0.37	5	56	120	PHEL
74653--Racoon-Freeburg*	0	3	2	0.37	0.37	5	48	100	NHEL
74656--Deible*	1	5	2	0.43	0.43	3	56	120	PHEL
75375--Horsecreek*	0	2	1	0.43	0.43	5	56	130	NHEL
75376--Cedargap*	0	3	1	0.24	0.32	5	0	100	NHEL
75388--Kaintuck-Relfe	0	3	2	0.24	0.24	5	86	100	NHEL
75391--Possumtrot*	0	3	1	0.24	0.24	4	86	75	NHEL
75398--Kaintuck	0	3	2	0.24	0.24	5	86	100	NHEL
75412--Razort	0	3	2	0.37	0.43	5	56	70	NHEL

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75413--Relfe	0	3	2	0.17	0.17	5	0	70	NHEL
75414--Wideman	0	3	1	0.17	0.17	5	180	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
99003--Miscellaneous water	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.

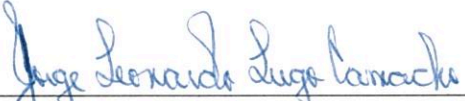
T - Soil loss tolerance. Maximum amount [Tons (T)] of annual erosion that can occur on the soil and still maintain a quality growth medium for plants.

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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8/20/2014

Date