

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

Crawford 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	125	HEL
73012--Gravois*	3	8	6	0.37	0.37	4	56	160	PHEL
73032--Gatewood	3	15	9	0.28	0.43	3	0	150	PHEL
73035--Gravois*	8	15	11	0.37	0.37	4	56	130	HEL
73039--Glensted*	1	3	2	0.32	0.32	3	48	150	NHEL
73053--Lily-Bender*	3	15	8	0.28	0.28	2	56	125	HEL
73066--Bender*	3	15	8	0.10	0.24	2	0	150	PHEL
73067--Bender-Rock outcrop*	15	35	33	0.10	0.24	2	0	100	HEL
73089--Rueter*	15	35	25	0.28	0.37	3	0	100	HEL
73094--Gatewood*	15	35	25	0.28	0.43	2	0	100	HEL
73098--Plato	1	3	2	0.43	0.43	4	56	100	NHEL
73135--Union*	3	8	6	0.43	0.43	4	56	100	PHEL
73136--Union*	1	3	2	0.43	0.43	4	56	125	NHEL
73159--Yelton*	3	8	5	0.43	0.43	3	56	140	HEL
73162--Alred-Rueter*	15	35	25	0.10	0.32	4	0	150	HEL
73164--Bender-Rock outcrop*	35	65	50	0.10	0.24	2	0	100	HEL
73166--Viburnum-Tonti*	1	8	5	0.37	0.37	4	56	175	PHEL
73168--Swiss*	3	15	10	0.32	0.37	4	0	130	PHEL
73169--Beemont-Gatewood*	15	35	25	0.15	0.32	4	0	100	HEL
73170--Beemont-Gatewood	3	15	9	0.32	0.32	3	0	150	PHEL
73171--Plato	3	8	6	0.43	0.43	4	86	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	86	150	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	4	0	150	PHEL

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73176--Bendavis-Poynor*	8	15	12	0.15	0.37	2	0	150	HEL
73181--Useful-Gatewood*	8	15	12	0.37	0.37	4	48	150	HEL
73200--Sonsac*	3	15	8	0.28	0.37	3	0	120	PHEL
73210--Goss*	15	50	32	0.24	0.37	4	0	60	HEL
73214--Moko-Rock outcrop*	15	50	32	0.24	0.43	1	0	60	HEL
73215--Crider*	3	8	6	0.32	0.32	5	48	100	PHEL
73271--Moko-Rock outcrop*	50	90	88	0.10	0.20	1	0	75	HEL
73272--Hildebrecht*	3	8	5	0.32	0.32	4	56	140	PHEL
73273--Coulstone-Bender*	15	35	32	0.17	0.24	3	0	150	HEL
73274--Scholten*	3	15	9	0.15	0.37	2	0	125	PHEL
73275--Gravois-Goss*	3	8	6	0.37	0.37	4	56	160	PHEL
73276--Rueter-Hildebrecht*	3	15	7	0.28	0.37	3	0	100	PHEL
73277--Goss*	3	15	12	0.28	0.37	4	0	100	PHEL
73278--Rueter*	35	65	40	0.28	0.37	3	0	100	HEL
73279--Sonsac-Moko-Rock outcrop*	15	50	20	0.28	0.37	3	0	120	HEL
73280--Alred*	3	15	8	0.10	0.32	4	0	150	PHEL
73281--Hobson*	3	15	13	0.37	0.37	4	56	140	PHEL
73282--Alred-Sonsac*	15	35	22	0.10	0.32	4	0	150	HEL
73283--Courtois*	3	8	6	0.37	0.37	4	56	120	PHEL
73284--Courtois-Goss*	8	15	9	0.37	0.37	4	56	110	HEL
73285--Useful-Courtois*	3	8	3	0.37	0.37	4	56	120	PHEL
73286--Useful-Courtois*	8	15	9	0.37	0.37	4	56	110	HEL
73287--Useful-Sonsac*	15	35	25	0.37	0.37	4	56	110	HEL
73288--Caneyville-Rock outcrop*	8	15	9	0.43	0.43	2	56	80	HEL
73289--Fourche*	3	15	5	0.37	0.37	5	56	100	PHEL
74634--Hartville*	3	8	6	0.43	0.43	5	48	75	PHEL
74650--Higdon*	0	3	1	0.37	0.37	5	56	175	NHEL

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Map Unit Symbol and Component Name	Low	High	RV	Kw	Kf	T	I			
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	
74661--Waben*	3	8	6	0.28	0.37	5	0	150	PHEL	
74662--Higdon*	2	5	4	0.37	0.37	5	56	175	PHEL	
75376--Cedargap	0	3	1	0.32	0.32	5	0	100	NHEL	
75388--Kaintuck-Relfe	0	3	2	0.24	0.24	5	86	100	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	100	NHEL	
75413--Relfe*	0	3	2	0.10	0.17	5	0	100	NHEL	
75427--Gabriel*	0	3	1	0.32	0.32	5	56	130	NHEL	
75450--Bloomsdale*	0	3	1	0.24	0.32	5	0	75	NHEL	
75453--Sturkie*	0	2	1	0.37	0.37	5	56	200	NHEL	
75459--Huzzah*	0	3	1	0.37	0.37	5	56	100	NHEL	
75460--Horsecreek*	0	3	1	0.43	0.43	5	56	130	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

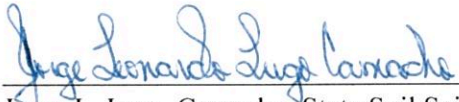
medium for plants.

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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Jorge L. Lugo-Camacho, State Soil Scientist

7/8/2014

Date