

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

Washington 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	90	NHEL
70028--Moko-Rock outcrop*	3	15	9	0.24	0.37	1	0	75	HEL
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
73039--Glensted*	1	3	2	0.32	0.32	3	48	150	NHEL
73046--Wrengart*	3	8	6	0.37	0.37	4	56	160	PHEL
73052--Lily*	3	8	6	0.28	0.28	2	56	140	HEL
73053--Lily-Bender	3	15	8	0.28	0.28	2	56	110	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
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
73166--Viburnum-Tonti*	1	8	5	0.37	0.37	4	56	175	PHEL
73173--Lily-Yelton*	3	8	6	0.28	0.28	2	56	110	HEL
73174--Lily-Yelton	8	15	12	0.28	0.28	2	56	110	HEL
73200--Sonsac*	3	15	8	0.28	0.37	3	0	120	PHEL
73201--Sonsac*	15	40	30	0.28	0.37	3	0	120	HEL
73210--Goss	15	50	32	0.24	0.24	2	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	56	100	PHEL
73218--Tiff*	1	20	10	0.20	0.28	5	0	120	PHEL
73271--Moko-Rock outcrop*	50	90	88	0.10	0.20	1	0	75	HEL
73272--Hildebrecht	3	8	5	0.43	0.43	4	56	120	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

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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
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	HEL
73290--Gatewood-Aaron*	3	8	6	0.37	0.37	2	56	168	HEL
73291--Gatewood-Aaron*	8	15	12	0.37	0.37	2	56	130	HEL
73292--Lily	8	15	10	0.28	0.28	2	86	110	HEL
73293--Caneyville	3	8	5	0.43	0.43	3	56	100	HEL
73294--Ocie*	3	15	10	0.28	0.37	3	0	180	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
74652--Lecoma*	1	8	6	0.37	0.37	5	56	100	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	0.24	0.32	5	0	75	NHEL

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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	75	NHEL
75406--Racket*	0	3	2	0.32	0.32	5	56	100	NHEL
75412--Razort*	0	3	2	0.37	0.43	5	56	70	NHEL
75427--Gabriel*	0	3	1	0.32	0.32	5	56	130	NHEL
75450--Bloomsdale	0	3	2	0.37	0.37	4	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
77014--Rock outcrop-Taumsauk*	3	35	11	NR	NR	NR	NR	NR	NR
77015--Irondale-Taumsauk-Rock outcrop*	3	15	13	0.20	0.28	4	0	100	PHEL
77016--Irondale-Taumsauk-Rock outcrop*	15	50	23	0.20	0.28	4	0	100	HEL
77017--Knobtop*	3	15	4	0.37	0.37	4	56	150	PHEL
77019--Frenchmill*	15	60	45	0.32	0.43	5	0	175	HEL
99000--Pits, quarries*	NR	NR	NR	NR	NR	NR	NR	NR	NR
99001--Water	NR	NR	NR	NR	NR	NR	NR	NR	NR
99014--Mine tailings*	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.

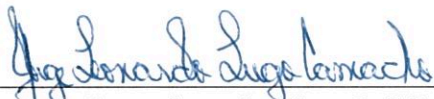
T - Soil loss tolerance. Maximum amount [Tons (T)] of annual erosion that can occur on the soil and still maintain a quality growth medium for plants.

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

3/31/2014  
Date