

Appendage to: Shannon County's HEL List

Shannon County, Missouri	Slope percent			Erosion Factors				Average L	HEL Map Unit
Map Unit Symbol and Component Name	Low	High	RV	Kw	Kf	T	I		
70022--Tonti	3	8	6	0.37	0.37	3	56	200	HEL
70026--Tonti	1	3	2	0.37	0.37	3	56	200	PHEL
73013--Lowassie*	0	3	1	0.49	0.49	5	56	200	PHEL
73019--Poynor	1	8	6	0.28	0.28	5	38	130	PHEL
73021--Poynor	15	35	25	0.28	0.28	5	38	100	HEL
73042--Niangua-Bardley*	15	50	33	0.24	0.49	3	0	100	HEL
73053--Lily-Bender*	3	15	8	0.28	0.28	2	56	110	HEL
73054--Viburnum*	1	3	2	0.37	0.37	4	48	140	NHEL
73055--Alred-Rueter*	15	35	25	0.20	0.43	4	0	100	HEL
73068--Tick*	3	15	12	0.15	0.37	4	38	200	PHEL
73073--Scholten-Poynor*	8	15	12	0.20	0.49	4	38	180	HEL
73080--Alred-Bardley-Rock outcrop*	15	60	27	0.10	0.28	4	0	75	HEL
73081--Bender-Alred-Rock outcrop*	15	50	40	0.15	0.28	2	0	100	HEL
73139--Poynor-Clarksville-Scholten*	8	15	12	0.15	0.32	3	0	120	HEL
73140--Clarksville-Scholten*	15	45	30	0.15	0.37	3	0	100	HEL
73143--Courtois*	3	8	5	0.28	0.43	4	56	250	PHEL
73144--Courtois*	8	15	11	0.28	0.43	4	56	175	HEL
73147--Fourche*	3	8	5	0.43	0.43	5	56	250	HEL
73155--Gasconade-Rock outcrop	3	35	18	0.20	0.20	2	86	180	PHEL
73159--Yelton*	3	8	5	0.43	0.43	3	56	140	HEL
73176--Bendavis-Poynor*	8	15	12	0.17	0.49	2	38	150	HEL
73197--Viburnum	3	8	4	0.37	0.37	4	48	200	HEL
73220--Poynor	8	15	12	0.28	0.37	5	0	120	HEL
73221--Poynor	3	35	15	0.28	0.37	5	38	100	PHEL
73222--Splitlimb*	1	3	2	0.43	0.43	5	56	150	NHEL
73223--Coulstone-Bender	15	50	25	0.24	0.24	3	56	100	HEL

Appendage to: Shannon County's HEL List

Shannon County, Missouri Map Unit Symbol and Component Name	Slope percent			Erosion Factors				Average L	HEL Map Unit
	Low	High	RV	Kw	Kf	T	I		
73236--Scholten-Poynor*	3	8	6	0.24	0.49	4	38	180	PHEL
73242--Fanchon-Tonti*	3	8	4	0.32	0.37	5	56	240	PHEL
73269--Brussels-Gasconade-Rock outcrop*	30	90	53	0.15	0.28	5	0	180	HEL
73295--Taterhill*	2	8	4	0.43	0.43	5	56	140	PHEL
73298--Tonti-Hogcreek*	3	8	4	0.43	0.55	4	56	240	HEL
73301--Tick*	3	8	4	0.17	0.37	4	38	120	PHEL
73308--Grandgulf*	0	3	2	0.43	0.43	5	56	150	NHEL
73309--Clarksville-Bendavis*	15	35	20	0.10	0.43	3	56	100	HEL
73310--Scholten-Bendavis-Poynor*	4	11	5	0.20	0.49	4	38	150	PHEL
73311--Scholten-Bendavis-Poynor*	8	15	12	0.24	0.49	4	38	150	HEL
73313--Fanchon-Tonti*	1	3	2	0.32	0.37	5	56	240	NHEL
73333--Taterhill*	1	3	2	0.43	0.43	5	56	150	NHEL
73334--Horneybuck*	3	8	5	0.37	0.37	5	56	220	PHEL
73335--Hobson-Rueter*	3	8	6	0.43	0.43	4	48	130	PHEL
73336--Rueter-Gepp*	8	15	12	0.15	0.37	3	0	150	HEL
73337--Tonti-Portia*	3	8	6	0.37	0.43	4	56	240	HEL
73338--Portia-Hobson*	8	15	10	0.43	0.43	5	56	100	HEL
73339--Arkana-Gepp*	8	15	12	0.15	0.32	2	0	150	HEL
73340--Rueter-Gepp*	8	15	12	0.15	0.37	3	0	150	HEL
73341--Gepp-Arkana*	15	55	35	0.10	0.24	4	0	150	HEL
73342--Alred-Arkana*	8	15	12	0.15	0.32	4	0	150	HEL
73361--Coulstone-Alred*	15	50	35	0.05	0.17	3	0	150	HEL
74627--Hartville	1	3	2	0.43	0.43	3	48	120	PHEL
74636--Lecoma*	3	8	6	0.32	0.32	5	86	130	PHEL
74637--Lecoma*	8	15	10	0.32	0.32	5	56	130	HEL
74642--Cornwall*	0	3	1	0.43	0.43	4	56	175	PHEL

Appendage to: Shannon County's HEL List

Shannon County, Missouri	Slope percent			Erosion Factors				Average L	HEL Map Unit
Map Unit Symbol and Component Name	Low	High	RV	Kw	Kf	T	I		
74643--Lecoma*	1	3	2	0.37	0.37	5	56	100	NHEL
74644--Deible*	1	3	2	0.55	0.55	3	56	250	PHEL
74648--Aslinger*	3	8	4	0.43	0.43	4	56	250	HEL
74651--Waben*	3	8	6	0.20	0.32	4	0	140	PHEL
74658--Zanoni*	0	3	1	0.17	0.20	4	86	100	NHEL
75381--Bearthicket*	0	3	2	0.43	0.43	5	56	250	PHEL
75390--Razort*	0	3	2	0.43	0.49	5	56	150	NHEL
75394--Relfe*	0	3	2	0.10	0.17	5	0	150	NHEL
75395--Jamesfin*	0	3	1	0.37	0.37	5	56	100	NHEL
75408--Secesh	0	3	1	0.32	0.32	4	56	150	PHEL
75409--Relfe*	0	3	2	0.02	0.05	5	0	100	NHEL
75411--Tilk*	0	3	2	0.05	0.20	5	0	200	NHEL
75416--Gladden*	0	3	2	0.32	0.32	4	86	150	NHEL
75417--Relfe-Sandbur*	0	3	2	0.05	0.17	5	56	100	NHEL
75420--Secesh-Tilk*	0	2	1	0.37	0.37	5	56	200	NHEL
75426--Gabriel*	0	3	1	0.37	0.37	5	48	75	NHEL
75430--Wideman*	0	3	2	0.17	0.17	5	180	150	NHEL
75433--Racket-Farewell*	0	2	1	0.20	0.24	4	48	200	NHEL
75451--Gladden*	0	3	1	0.37	0.37	4	56	150	NHEL
75462--Huzzah*	0	3	1	0.20	0.20	5	56	100	NHEL
75463--Huzzah*	0	3	2	0.20	0.20	5	48	100	NHEL
75464--Cedargap	0	3	1	0.24	0.24	5	0	80	NHEL
75465--Raftville-Gabriel*	0	3	2	0.32	0.32	4	NR	130	NHEL
75466--Midco	0	3	2	0.28	0.32	5	0	80	NHEL
75470--Farewell*	0	3	1.5	0.43	0.43	5	86	100	NHEL
77000--Killarney-Frenchmill*	15	45	30	0.15	0.37	4	0	100	HEL
77003--Delassus*	8	15	12	0.24	0.37	3	56	175	HEL

Appendage to: Shannon County's HEL List

Shannon County, Missouri Map Unit Symbol and Component Name	Slope percent			Erosion Factors				Average L	HEL Map Unit
	Low	High	RV	Kw	Kf	T	I		
77004--Irondale*	15	35	25	0.20	0.37	2	0	100	HEL
77007--Taumsauk-Irondale-Rock outcrop*	15	45	25	0.24	0.43	1	0	100	HEL
77011--Taumsauk-Irondale-Rock outcrop*	3	15	9	0.20	0.37	1	0	100	HEL
99001--Water	NR	NR	NR	NR	NR	NR	NR	NR	NR
99007--Dam	NR	NR	NR	NR	NR	NR	NR	NR	NR
99010--Pits and Dumps	NR	NR	NR	NR	NR	NR	NR	NR	NR
99013--Riverwash	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.

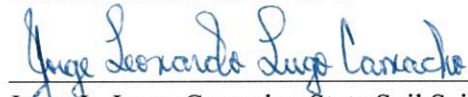
T - Soil loss tolerance. Maximum amount [Tons (T)] of annual erosion that can occur on the soil and still maintain a quality growth medium for plants.

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 = 250.



Jorge L. Lugo-Camacho, State Soil Scientist

6/27/2014

Date