LAWRENCE-MARTIN COUNTIES HEL SOIL DATABASE (10/2015)

SOIL SERIES	MAP SYMBOLS	SURFACE TEXTURE	Kw (K)	Kf	T factor	RUSLE R factor	USLE R factor	CRL. LS	SLOPE length RANGE	SLOPE LENGTH	% SLOPE USED	LS FACTOR	HEL DET. HE- highly erodible N - not erodible	HYDRI DET. H - hydric I - inclusions N - not hydric
Allegheny	AaB	loam	0.32	0.32	5	140	150	0.833	100-300	150	4	0.471	N	N
Allegheny	AaC	loam	0.32	0.32	5	140	150	0.833	100-300	150	9	1.45	HE	N
Allegheny	AbB	loam	0.28	0.28	5	140	150	0.952	100-300	200	4	0.528	N	I - inclusions
Allegheny	AbC	loam	0.28	0.28	5	140	150	0.952	50-150	100	11	1.585	HE	I - inclusions
Allegheny	AeB	loam	0.28	0.28	5	140	150	0.952	100-200	150	4	0.471	N	I - inclusions
Blairton-Cruze-Marrowbone	BlC					140	150		50-150	100	9	1.18	HE	N
Blairton		sil	0.43	0.43	3	140	150	0.372						
Cruze		sil	0.37	0.37	3	140	150	0.432						
Marrowbone		sl	0.15	0.15	3	140	150	1.067						
Blairton-Cruze-Marrowbone	BlD					140	150		50-100	75	19	3.25	HE	N
Blairton		sil	0.43	0.43	3	140	150	0.372						
Cruze		sil	0.37	0.37	3	140	150	0.432						
Marrowbone		sl	0.15	0.15	3	140	150	1.067						
Chagrin	Ch	loam	0.24	0.24	5	140	150	1.111	50-250	200	1	0.16	N	I - inclusions
Cloverlick-Shelocta-Kimper	ClF					140	150		25-125	75	45	13.18	HE	N
Cloverlick		cn-l	0.1	0.2	5	140	150	2.667						
Shelocta		sil	0.37	0.37	4	140	150	0.577						
Kimper		cnv-l	0.1	0.24	5	140	150	2.667						
Cotaco	CmB	sil	0.37	0.37	5	140	150	0.721	100-200	150	2	0.227	N	I - inclusions
Cotaco	CmC	sil	0.37	0.37	5	140	150	0.721	100-200	150	8	1.21	HE	I - inclusions
Cotaco	CoB	sil	0.37	0.37	5	140	150	0.721	100-200	150	2	0.227	N	I - inclusions
Cotaco	CoC	sil	0.37	0.37	5	140	150	0.721	100-200	150	8	1.21	HE	I - inclusions
Cotaco	CtB	sil	0.37	0.37	5	140	150	0.721	100-200	150	2	0.227	N	I - inclusions
Dam	DAM					140	150							
Dumps, mine; Tailings; Tipples	Dm					140	150							
Fiveblock-Fairpoint-Kaymine	FiB					140	150		50-250	150	3	0.325	N	N
Fiveblock		cn-sl	0.1	0.17	5	140	150	2.667						
Fairpoint		cn-sil	0.28	0.43	5	140	150	0.952						
Kaymine		cnv-l	0.1	0.28	5	140	150	2.667						
Fiveblock-Fairpoint-Kaymine	FiD					140	150		50-250	150	18	4.21	HE	N
Fiveblock		cn-sl	0.1	0.17	5	140	150	2.667						
Fairpoint		cn-sil	0.28	0.43	5	140	150	0.952						
Kaymine		cnv-l	0.1	0.28	5	140	150	2.667						
Fiveblock-Fairpoint-Kaymine	FiF					140	150		50-250	150	55	25.1	HE	N
Fiveblock		cn-sl	0.1	0.17	5	140	150	2.667						
Fairpoint		cn-sil	0.28	0.43	5	140	150	0.952						
Kaymine		cnv-l	0.1	0.28	5	140	150	2.667						

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SOIL SERIES	MAP SYMBOLS	SURFACE TEXTURE	Kw (K)	Kf	T factor	RUSLE R factor	USLE R factor	CRL. LS	SLOPE length RANGE	SLOPE LENGTH	% SLOPE USED	LS FACTOR	HEL DET. HE- highly erodible N - not erodible	HYDRI DET. H - hydric I - inclusions N - not hydric
Grigsby	Gr	fsl	0.17	0.17	5	140	150	1.569	25-200	100	1	0.13	N	I - inclusions
Hayter-Grigsby	HaC					140	150		25-125	75	9	1.02	HE	I - inclusions
Hayter		loam	0.32	0.32	5	140	150	0.833			9	1.02		
Grigsby		fsl	0.28	0.28	5	140	150	0.952			2	0.185		
Handshoe-Fedscreek-Shelocta	HnF					140	150		50-150	100	55	20.49	HE	N
Handshoe		cnv-l	0.1	0.28	5	140	150	2.667						
Fedscreek		cn-l	0.24	0.32	4	140	150	0.889						
Shelocta		sil	0.37	0.37	4	140	150	0.577						
Holly	Ho	sil	0.37	0.37	5	140	150	0.721	50-150	100	1	0.13	N	H - hydric
Marrowbone-Blairton-Dekalb	MaF					140	150		25-125	75	43	12.5	HE	N
Marrowbone		sl	0.15	0.15	3	140	150	1.067						
Blairton		sil	0.43	0.43	3	140	150	0.372						
Dekalb		cnv-sl	0.02	0.1	2	140	150	5.333						
Nelse	NeD	fsl	0.2	0.2	5	140	150	1.333	25-75	50	15	1.82	HE	I - inclusions
Orrville	Or	sil	0.32	0.32	5	140	150	0.833	100-200	200	1	0.16	N	I - inclusions
Rayne-Marrowbone-Dekalb	RaF					140	150		25-125	75	50	15.75	HE	N
Rayne		loam	0.28	0.28	4	140	150	0.762						
Marrowbone		sl	0.15	0.15	3	140	150	1.067						
Dekalb		cnv-sl	0.02	0.1	2	140	150	5.333						
Rigley-Rock Outcrop	RoF					140	150		50-100	75	45	13.5	HE	N
Rigley		fsl	0.17	0.17	5	140	150	1.569						
Shelocta	SeE	sil	0.32	0.32	4	140	150	0.667	50-150	100	21	4.15	HE	N
Shelocta-Grigsby-Orrville	SgC					140	150		25-175	100	9	1.18	HE	I - inclusions
Shelocta		sil	0.32	0.32	4	140	150	0.667			9	1.18		
Grigsby		fsl	0.28	0.28	5	140	150	0.952			2	0.201		
Orrville		sil	0.32	0.32	5	140	150	0.833			1	0.13		
Shelocta-Hazleton-Fedscreek	ShF					140	150		50-250	150	45	18.67	HE	N
Shelocta		sil	0.32	0.32	4	140	150	0.667						
Hazleton		cnv-sl	0.05	0.15	5	140	150	5.333						
Fedscreek		fsl	0.24	0.24	5	140	150	1.111						
Udorthents-Urban Land	UdC					140	150							N
Udorthents-Urban Land	UdF					140	150							N
Upshur-Rarden	UpC					140	150		50-150	100	9	1.18	HE	N
Upshur		sicl	0.43	0.43	4	140	150	0.496						
Rarden		sil	0.37	0.37	3	140	150	0.432						

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Upshur-Rarden	UpD					140	150		50-100	75	18	2.97	HE	N
Upshur		sicl	0.43	0.43	4	140	150	0.496						
Rarden		sil	0.37	0.37	3	140	150	0.432						
Upshur-Rarden	UpF					140	150		25-125	75	43	12.5	HE	N
Upshur		sicl	0.43	0.43	4	140	150	0.496			43	12.5		
Rarden		sil	0.37	0.37	3	140	150	0.432			37	8.62		
Vandalia-Beech	VaF					140	150		50-150	100	40	12.65	HE	N
Vandalia		loam	0.28	0.28	4	140	150	0.762			40	12.65		
Beech		sil	0.32	0.32	3	140	150	0.500			28	6.92		
Vandalia-Beech	VaF2					140	150		50-150	100	40	12.65	HE	N
Vandalia		sil	0.37	0.37	5	140	150	0.721			40	12.65		
Beech		sil	0.32	0.32	5	140	150	0.833			28	6.92		
Water	W					140	150							