JEFFERSON CO. HEL SOILS DATABASE

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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 RV	% SLOPE USED	LS FACTOR	HEL DET. HE- highly erodible N - not erodible	HYDRI DET. H - hydric I - inclusions N - not hydric
Alford	AfB	sil	0.43	0.43	5	175	175	0.532	50-150	100	4	0.40	N - not erodible	N
Alford	AfC	sil	0.43	0.43	5	175	175	0.532	50-150	100	9	1.18	HE	N
Alford	AfD	sil	0.43	0.43	5	175	175	0.532	50-150	100	18.5	3.43	HE	N
Alford	AfF	sil	0.43	0.43	5	175	175	0.532	50-150	100	37.5	11.48	HE	N
Beasley	BeB	sil	0.43	0.43	4	175	175	0.425	100-200	150	4	0.47	HE	N
Beasley	BeC	sil	0.37	0.37	4	175	175	0.494	100-200	150	9	1.45	HE	N
Beasley	BeD	sil	0.37	0.37	4	175	175	0.494	100-200	150	18.5	4.21	HE	N
Boonwood	Bo	sil	0.32	0.32	2	175	175	0.286	50-150	100	1	0.13	N - not erodible	N
Caneyville	CaB2	sil	0.32	0.32	2	175	175	0.286	25-200	110	4	0.42	HE	N
Caneyville	CaC2	sil	0.32	0.32	2	175	175	0.286	50-150	100	9	1.18	HE	N
Caneyville	CaD2	sil	0.32	0.32	2	175	175	0.286	50-150	100	18.5	3.43	HE	N
Caneyville-Rock Outcrop	CcF2					175	175		50-100	75	36	8.93	HE	N
Caneyville		sil	0.32	0.32	2	175	175	0.286						
Rock Outcrop						175	175							
Carpenter	CeF	sil	0.37	0.37	4	175	175	0.494	100-200	150	35	12.62	HE	N
Cemeteries	Cm					175	175							N
Chagrin-Nelse-Wheeling	CnF					175	175		50-100	75	25	5.10	HE	N
Chagrin		fsl	0.28	0.28	5	175	175	0.816			13.5			
Nelse		loam	0.2	0.2	5	175	175	1.143			13.5			
Wheeling		loam	0.28	0.28	5	175	175	0.816			38.5			
Combs	Co	loam	0.24	0.24	5	175	175	0.952	50-100	75	1	0.12	N - not erodible	N
Crider	CrA	sil	0.37	0.37	5	175	175	0.618	100-250	175	1	0.15	N - not erodible	N
Crider	CrB	sil	0.37	0.37	5	175	175	0.618	100-250	175	4	0.51	N - not erodible	N
Crider	CrC	sil	0.37	0.37	5	175	175	0.618	100-250	150	9	1.45	HE	N
Crider	CrD	sil	0.37	0.37	5	175	175	0.618	50-150	100	16	2.84	HE	N
Dam, large	DAM					175	175							
Dumps, Ash	Dp					175	175							
Elk	EkD	sil	0.43	0.43	5	175	175	0.532	100-250	175	18.5	4.82	HE	N
Elk	EoA	sil	0.43	0.43	5	175	175	0.532	100-200	150	1	0.15	N - not erodible	N
Elk	EoB	sil	0.43	0.43	5	175	175	0.532	50-150	100	4	0.40	N - not erodible	N
Elk	EoC	sil	0.43	0.43	5	175	175	0.532	50-250	150	9	1.45	HE	N
Elk	ErA	sil	0.43	0.43	5	175	175	0.532	100-300	200	1	0.16	N - not erodible	N
Elk	ErB	sil	0.43	0.43	5	175	175	0.532	100-250	175	4	0.50	N - not erodible	N
Elk	ErC	sil	0.43	0.43	5	175	175	0.532	100-200	150	9	1.45	HE	N
Faywood	FaC	sil	0.43	0.43	2	175	175	0.213	100-200	150	9	1.45	HE	N
Faywood	FaD	sil	0.37	0.37	2	175	175	0.247	50-150	100	18.5	3.43	HE	N

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Faywood	FeC3	sicl	0.37	0.37	1	175	175	0.124	100-200	150	9	1.45	HE	N
Faywood	FeD3	sicl	0.37	0.37	1	175	175	0.124	100-200	150	18.5	4.40	HE	N
Faywood-Shrouts-Beasley	FsF					175	175		100-200	180	37.5	15.40	HE	N
Faywood		sil	0.37	0.37	2	175	175	0.247						
Shrouts		sil	0.37	0.37	3	175	175	0.371						
Beasley		sil	0.37	0.37	4	175	175	0.494						
Gilpin	GpD	sil	0.43	0.43	2	175	175	0.213	50-150	100	18.5	3.59	HE	N
Gilpin-Weikert	GwF					175	175		100-250	200	42.5	19.73	HE	N
Gilpin		sil	0.43	0.43	2	175	175	0.213						
Weikert		sil	0.49	0.49	2	175	175	0.187						
Huntington	Ha	sil	0.32	0.32	5	175	175	0.714	100-200	150	1	0.15	N - not erodible	N
Huntington	Hf	sil	0.32	0.32	5	175	175	0.714	100-200	150	1	0.15	N - not erodible	N
Lawrence	LaA	sil	0.37	0.37	4	175	175	0.494	100-150	120	1	0.14	N - not erodible	I - inclusions
Lawrence	LaB	sil	0.37	0.37	4	175	175	0.494	100-250	175	4	0.51	HE	I - inclusions
Lawrence	LbA	sil	0.37	0.37	4	175	175	0.494	100-150	120	1	0.14	N - not erodible	I - inclusions
Lawrence	LbB	sil	0.37	0.37	4	175	175	0.494	100-250	175	4	0.51	HE	I - inclusions
Lindside	Ld	sil	0.37	0.37	5	175	175	0.618	100-200	180	1	0.15	N - not erodible	N
Lindside	Ln	sil	0.37	0.37	5	175	175	0.618	100-200	180	1	0.15	N - not erodible	N
Melvin	Me	sil	0.43	0.43	5	175	175	0.532	25-200	100	1	0.13	N - not erodible	H - hydric
Melvin	Mf	sil	0.43	0.43	5	175	175	0.532	100-250	175	1	0.15	N - not erodible	H - hydric
Newark	Ne	sil	0.37	0.37	5	175	175	0.618	25-200	100	1	0.13	N - not erodible	I - inclusions
Newark	Nf	sil	0.37	0.37	5	175	175	0.618	25-200	100	1	0.13	N - not erodible	I - inclusions
Nicholson	NnA	sil	0.37	0.37	4	175	175	0.494	100-250	180	1	0.15	N - not erodible	N
Bedford	NnB	sil	0.43	0.43	4	175	175	0.425	100-300	175	4	0.50	HE	N
Nicholson	NnC	sil	0.37	0.37	4	175	175	0.494	100-200	150	9	1.45	HE	N
Nolin	No	sil	0.37	0.37	5	175	175	0.618	25-200	100	1	0.13	N - not erodible	I - inclusions
Otwood	OtA	sil	0.49	0.49	4	175	175	0.373	50-250	150	1	0.15	N - not erodible	N
Otwood	OtB	sil	0.49	0.49	4	175	175	0.373	50-250	150	4	0.47	HE	N
Otwood	OtC	sil	0.49	0.49	4	175	175	0.373	50-200	160	9	1.49	HE	N
Otwood	OwA	sil	0.49	0.49	4	175	175	0.373	50-250	150	1	0.15	N - not erodible	N
Otwood	OwB	sil	0.49	0.49	4	175	175	0.373	50-250	150	4	0.47	HE	N
Otwood	OwC	sil	0.49	0.49	4	175	175	0.373	50-200	120	9	1.30	HE	N
Patton	Pa	sil	0.32	0.32	5	175	175	0.714	50-150	100	0.5	0.10	N - not erodible	H - hydric
Pits, Quarries	Pt					175	175							
Robertsville	RoA	sil	0.49	0.49	3	175	175	0.280	100-200	150	1	0.15	N - not erodible	H - hydric
Robertsville	RpA	sil	0.49	0.49	3	175	175	0.280	100-250	175	1	0.15	N - not erodible	H - hydric

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Sandview	SaB	sil	0.37	0.37	5	175	175	0.618	100-200	125	4	0.44	N - not erodible	N
Sandview	SaC	sil	0.37	0.37	5	175	175	0.618	50-250	180	9	1.59	HE	N
Sciotoville	ScA	sil	0.49	0.49	3	175	175	0.280	100-250	200	1	0.16	N - not erodible	N
Sciotoville	ScB	sil	0.49	0.49	3	175	175	0.280	100-250	200	4	0.53	HE	N
Sciotoville	ScC	sil	0.49	0.49	3	175	175	0.280	100-250	200	9	1.67	HE	N
Sciotoville	SdA	sil	0.49	0.49	3	175	175	0.280	100-250	200	1	0.16	N - not erodible	N
Sciotoville	SdB	sil	0.49	0.49	3	175	175	0.280	100-250	200	4	0.53	HE	N
Shrouts	ShC3	sil	0.37	0.37	2	175	175	0.247	50-150	100	9	1.18	HE	N
Shrouts	ShD3	sil	0.37	0.37	2	175	175	0.247	100-250	175	18.5	4.82	HE	N
Tilsit	TjB	sil	0.43	0.43	4	175	175	0.425	50-200	150	4	0.47	HE	N
Tilsit	TjC	sil	0.43	0.43	4	175	175	0.425	50-200	150	9	1.45	HE	N
Tilsit	TjD	sil	0.43	0.43	4	175	175	0.425	50-200	150	18.5	4.40	HE	N
Urban Land	Ua					175	175		100-300	200	6			
Urban-Haplic Udarents-Boonewood	UabC					175	175		100-200	150	3	0.33	HE	N
Haplic Udarents		sil	0.55	0.55	2	175	175	0.166			6			
Boonewood		sil	0.32	0.32	2	175	175	0.286			1			N
Urban-Haplic Udarents-Combs	UacB					175	175		100-200	250	2	0.26	N - not erodible	N
Haplic Udarents		fsl	0.32	0.32	5	175	175	0.714			3			
Combs		loam	0.24	0.24	5	175	175	0.952			1			N
Urban-Haplic Udarents-Melvin	UadB					175	175		100-200	150	2	0.23	N - not erodible	H - hydric
Haplic Udarents		sil	0.49	0.49	5	175	175	0.466			3			
Melvin		sil	0.43	0.43	5	175	175	0.532			1			
Urban-Haplic Udarents-Newark	UaeB					175	175		100-200	150	2	0.23	N - not erodible	N
Haplic Udarents		sil	0.55	0.55	5	175	175	0.416			3			
Newark		sil	0.37	0.37	5	175	175	0.618			1			
Urban-Haplic Udarents-Zipp	UafC					175	175		100-200	150	3	0.33	N - not erodible	H - hydric
Haplic Udarents		sic	0.32	0.32	5	175	175	0.714			6			
Zipp		sic	0.32	0.32	5	175	175	0.714			1			
Urban-Udarents wet sub	UagB	sil	0.55	0.55	3	175	175	0.249	100-200	150	3	0.33	HE	N
Urban-Udorthents	UahC		---	---	---	175	175				6			N
Urban-Udorthents rare fl	UaiC		---	---	---	175	175				6			N
Urban-Udorthents refuse sub	UajF		---	---	---	175	175				25			N
Urban-Udorthents smoothed	UakF		---	---	---	175	175				25			N
Urban-Ultic Udarents-Tilsit	UamC					175	175		50-250	150	6	0.82	HE	N
Ultic Udarents		sil	0.55	0.55	4	175	175	0.332						
Tilsit		sil	0.43	0.43	3	175	175	0.319						
Urban-Alfic Udarents loamy sub	UbC	loam	0.43	0.43	5	175	175	0.532	100-200	150	6	0.82	HE	N

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Urban-Alfic Udarents loamy sub	UbD	loam	0.43	0.43	5	175	175	0.532	100-200	150	18.5	4.21	HE	N
Urban-Alfic Udarents loamy sub	UcC	loam	0.37	0.37	5	175	175	0.618	100-200	150	6	0.82	HE	N
Urban-Alfic Udarents loamy sub	UcF	loam	0.37	0.37	5	175	175	0.618	100-200	150	31	10.00	HE	N
Urban-Alfic Udarents loamy sub	UdC	loam	0.43	0.43	5	175	175	0.532	100-200	150	6	0.82	HE	N
Urban-Alfic Udarents fragipan sub	UeC	sil	0.49	0.49	4	175	175	0.373	100-200	150	6	0.82	HE	N
Urban-Alfic Udarents fragipan sub	UfC	sil	0.49	0.49	4	175	175	0.373	100-200	150	6	0.82	HE	N
Urban-Alfic Udarents fragipan sub	UgC	sil	0.55	0.55	4	175	175	0.332	100-200	150	6	0.82	HE	N
Urban-Alfic Udarents fragipan sub	UhC	sil	0.49	0.49	4	175	175	0.373	100-200	150	6	0.82	HE	N
Urban-Alfic Udarents clayey sub	UiC	sic	0.28	0.28	4	175	175	0.653	100-200	150	6	0.82	HE	N
Urban-Alfic Udarents clayey sub	UiD	sic	0.28	0.28	4	175	175	0.653	100-200	150	18.5	4.21	HE	N
Urban-Alfic Udarents clayey sub	UiF	sic	0.55	0.55	4	175	175	0.332	100-200	150	37.5	15.40	HE	N
Urban-Alfic Udarents clayey sub	UjC	sil	0.49	0.49	5	175	175	0.466	100-200	150	6	0.82	HE	N
Urban-Alfic Udarents clayey sub	UjD	sil	0.49	0.49	5	175	175	0.466	100-200	150	18.5	4.21	HE	N
Urban-Alfic Udarents clayey sub	UjF	sil	0.49	0.49	5	175	175	0.466	100-200	150	42.5		HE	N
Urban-Alfic Udarents-Beasley	UkC					175	175		100-200	150	6	0.82	HE	N
Alfic Udarents		sic	0.28	0.28	4	175	175	0.653						
Beasley		sil	0.37	0.37	4	175	175	0.494						
Urban-Alfic Udarents-Caneyville	UlC					175	175		100-200	150	6	0.82	HE	N
Alfic Udarents		sic	0.24	0.24	2	175	175	0.381						
Caneyville		sil	0.32	0.32	2	175	175	0.286						
Urban-Alfic Udarents-Caneyville	UlD					175	175		100-200	150	18.5	4.40	HE	N
Alfic Udarents		sic	0.24	0.24	2	175	175	0.381						
Caneyville		sil	0.32	0.32	2	175	175	0.286						
Urban-Alfic Udarents-Crider	UmC					175	175		100-200	110	6	0.71	HE	N
Alfic Udarents		sil	0.49	0.49	5	175	175	0.466						
Crider		sil	0.37	0.37	5	175	175	0.618						
Urban-Alfic Udarents-Crider	UmD					175	175		100-200	150	18.5	4.21	HE	N
Alfic Udarents		sil	0.49	0.49	5	175	175	0.466						
Crider		sil	0.32	0.32	5	175	175	0.714						
Urban-Alfic Udarents-Elk	UnC					175	175		100-200	150	6	0.82	HE	N
Alfic Udarents		sil	0.49	0.49	5	175	175	0.466						
Elk		sil	0.43	0.43	5	175	175	0.532						
Urban-Alfic Udarents-Lawrence	UoC					175	175		100-200	150	6	0.82	HE	N
Alfic Udarents		sil	0.49	0.49	4	175	175	0.373						
Lawrence		sil	0.37	0.37	4	175	175	0.494						

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Urban-Alfic Udarents-Lawrence	UpC					175	175		100-200	150	6	0.82	HE	N
Alfic Udarents		sil	0.49	0.49	4	175	175	0.373						
Lawrence		sil	0.37	0.37	4	175	175	0.494						
Urban-Alfic Udarents-Nicholson	UqC					175	175		100-200	150	6	0.82	HE	N
Alfic Udarents		sil	0.49	0.49	4	175	175	0.373						
Nicholson		sil	0.37	0.37	4	175	175	0.494						
Urban-Alfic Udarents-Otwood	UrC					175	175		100-200	150	6	0.82	HE	N
Alfic Udarents		sil	0.55	0.55	4	175	175	0.332						
Otwood		sil	0.49	0.49	4	175	175	0.373						
Urban-Alfic Udarents-Otwood	UsC					175	175		100-200	150	6	0.82	HE	N
Alfic Udarents		sil	0.55	0.55	4	175	175	0.332						
Otwood		sil	0.49	0.49	4	175	175	0.373						
Urban-Alfic Udarents-Robertsville	UtC					175	175		100-250	175	4	0.50	HE	H - hydric
Alfic Udarents		sil	0.49	0.49	3	175	175	0.280			6			
Robertsville		sil	0.49	0.49	3	175	175	0.280			1			
Urban-Alfic Udarents-Sandview	UuC					175	175		100-200	150	6	0.82	HE	N
Alfic Udarents		sil	0.49	0.49	5	175	175	0.466						
Sandview		sil	0.37	0.37	5	175	175	0.618						
Urban-Alfic Udarents-Sciotoville	UvC					175	175		100-200	150	6	0.82	HE	N
Alfic Udarents		sil	0.49	0.49	3	175	175	0.280						
Sciotoville		sil	0.37	0.37	3	175	175	0.371						
Urban-Alfic Udarents-Shrouts	UwC					175	175		100-200	150	6	0.82	HE	N
Alfic Udarents		sic	0.28	0.28	3	175	175	0.490						
Shrouts		sil	0.37	0.37	3	175	175	0.371						
Urban-Alfic Udarents-Shrouts	UwD					175	175		100-200	150	18.5	4.40	HE	N
Alfic Udarents		sic	0.28	0.28	3	175	175	0.490						
Shrouts		sil	0.37	0.37	3	175	175	0.371						
Urban-Alfic Udarents-Weinbach	UxC					175	175		100-200	150	6	0.82	HE	N
Alfic Udarents		sil	0.49	0.49	4	175	175	0.373						
Weinbach		sil	0.43	0.43	4	175	175	0.425						
Urban-Alfic Udarents-Wheeling	UyC					175	175		100-200	150	6	0.82	HE	N
		loam	0.37	0.37	5	175	175	0.618						
Wheeling		loam	0.28	0.28	5	175	175	0.816						
Urban-Alfic Udarents-Wheeling	UyD					175	175		100-200	150	18.5	4.40	HE	N
Alfic Udarents		loam	0.37	0.37	5	175	175	0.618						
Wheeling		loam	0.28	0.28	5	175	175	0.816						

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Urban-Alfic Udarents-Wheeling	UzC					175	175		100-200	150	6	0.82	HE	N
Alfic Udarents		loam	0.37	0.37	5	175	175	0.618						
Wheeling		loam	0.28	0.28	5	175	175	0.816						
Water	W					175	175							
Weinbach	WeA	sil	0.43	0.43	4	175	175	0.425	100-250	200	1	0.16	N - not erodible	I - inclusions
Weinbach	WeB	sil	0.43	0.43	4	175	175	0.425	100-250	200	4	0.53	HE	I - inclusions
Weinbach	WfA	sil	0.43	0.43	4	175	175	0.425	100-250	200	1	0.16	N - not erodible	I - inclusions
Weinbach	WfB	sil	0.43	0.43	4	175	175	0.425	100-250	200	4	0.53	HE	I - inclusions
Wheeling	WhA	loam	0.28	0.28	5	175	175	0.816	50-150	100	1	0.13	N - not erodible	N
Wheeling	WhB	loam	0.28	0.28	5	175	175	0.816	50-200	150	4	0.47	N - not erodible	N
Wheeling	WhC	loam	0.28	0.28	5	175	175	0.816	50-250	180	9	1.59	HE	N
Wheeling	WhD	loam	0.28	0.28	5	175	175	0.816	50-200	150	18.5	4.40	HE	N
Wheeling	WhF	loam	0.28	0.28	5	175	175	0.816	50-200	150	40	15.50	HE	N
Wheeling	WkA	loam	0.28	0.28	5	175	175	0.816	50-150	100	1	0.13	N - not erodible	N
Wheeling	WkB	loam	0.28	0.28	5	175	175	0.816	50-200	150	4	0.47	N - not erodible	N
Wheeling	WkC	loam	0.28	0.28	5	175	175	0.816	50-200	180	9	1.59	HE	N
Wheeling	WkD	loam	0.28	0.28	5	175	175	0.816	50-200	150	18.5	4.40	HE	N
Wheeling	WkF	loam	0.28	0.28	5	175	175	0.816	50-200	150	40	15.50	HE	N
Woolper	WoA	sil	0.28	0.28	5	175	175	0.816	25-125	75	1	0.12	N - not erodible	N
Woolper	WoB	sil	0.28	0.28	5	175	175	0.816	50-250	150	4	0.47	N - not erodible	N
Woolper	WoC	sil	0.28	0.28	5	175	175	0.816	50-150	100	9	1.18	HE	N
Zipp	ZpA	sic	0.32	0.32	5	175	175	0.714	100-200	150	1	0.15	N - not erodible	H - hydric