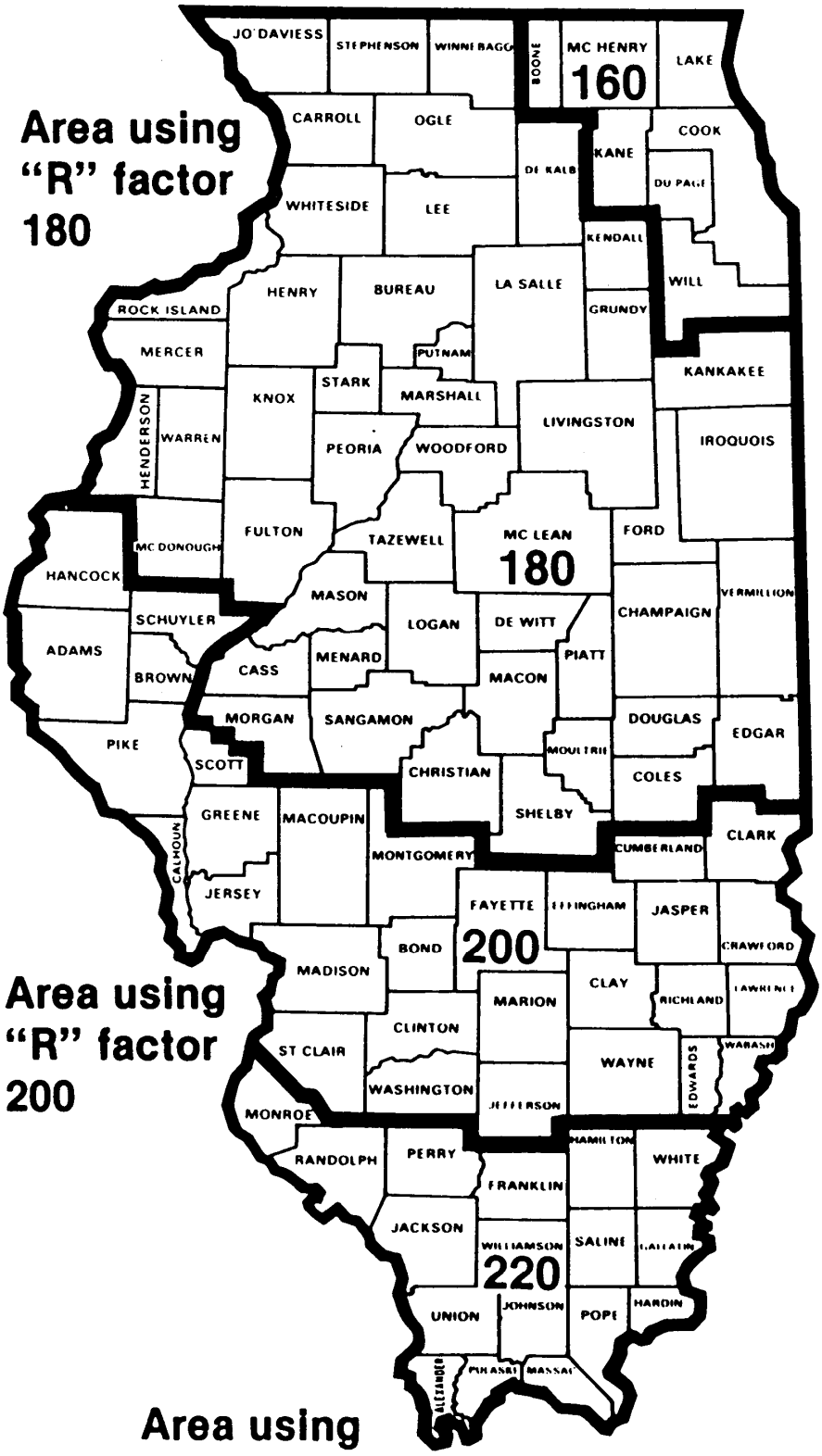
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Area using "R" factor 200
Area using "R" factor 220
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STEPHENSON
WINNEBAGO
BOONE
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160
LAKE
CARROLL
OGLE
KANE
COOK
DE KALB
DU PAGE
WHITESIDE
LEE
KENDALL
WILL
HENRY
BUREAU
LA SALLE
GRUNDY
ROCK ISLAND
MERCER
PUTNAM
KANKAKEE
STARK
KNOX
MARSHALL
LIVINGSTON
HENDERSON
WARREN
PEORIA
WOODFORD
IROQUOIS
FULTON
TAZEWELL
MC LEAN
180
FORD
MC DONOUGH
HANCOCK
MASON
VERMILLION
SCHUYLER
LOGAN
DE WITT
CHAMPAIGN
ADAMS
MENARD
PIATT
BROWN
CASS
MACON
MORGAN
SANGAMON
DOUGLAS
EDGAR
PIKE
MOULTRIE
SCOTT
CHRISTIAN
COLES
GREENE
MACOUPIN
SHELBY
CLARK
CALHOUN
MONTGOMERY
CUMBERLAND
JERSEY
FAYETTE
EFFINGHAM
JASPER
BOND
200
CRAWFORD
MADISON
CLAY
MARION
RICHLAND
LAWRENCE
CLINTON
ST CLAIR
WAYNE
EDWARDS
WABASH
WASHINGTON
JEFFERSON
MONROE
HAMILTON
RANDOLPH
PERRY
WHITE
FRANKLIN
JACKSON
WILLIAMSON
SALINE
GALLATIN
220
UNION
JOHNSON
POPE
HARDIN
ALEXANDER
PULASKI
MASSAC

Table 1. Soil Erodibility (K) and Tolerance (T) Values for Specific Illinois Soils

Soil type	K factor	T factor[a]	Soil type	K factor	T factor[a]	Soil type	K factor	T factor[a]
Ade 98	0.17	5-5	Brooklyn 136	0.37	4	Drummer 152	0.28	5
Alford 308	.37	5-4	Bryce 235	.28	3	Drury 75	.37	5
Allison 306	.28	5	Burkhardt 961	.20	3-2	Dubuque 29	.37	4-3
Alvin 131	.24	5-4	Burnside 427	.37	4	Dunbarton 505	.37	2-1
Ambraw 302	.28	5	Cairo 590	.28	4	Du Page 321	.28	5
Andres 293	.28	5-4	Calamine 746	.28	5	Dupo 180	.37	5
Aptakisic 365	.37	5-4	Calco 400	.28	5	Durand 416	.32	5-4
Arenzville 78	.37	5	Camden 134	.37	5-4	Ebbert 48	.37	5
Argyle 227	.32	4-3	Canisteo 347	.28	5	Edgington 272	.32	5
Armiesburg 597	.28	5	Cape 422	.32	3	Edinburg 249	.37	4
Ashdale 411	.32	5-4	Carmi 286	.20	4-3	Edmund 769	.32	2-1
Ashkum 232	.28	5	Casco 323	.32	3-2	Elburn 198	.28	5
Assumption 259	.32	4-3	Catlin 171	.32	5-4	Elco 119	.37	4-3
Atkinson 661	.28	4-3	Channahon 315	.37	2-1	El Dara 264	.24	5-4
Atlas 7	.43	3-2	Chatsworth 241	.43	3-2	Eleroy 547	.37	4-3
Atterberry 61	.32	5-4	Chauncey 287	.37	3	Elkhart 567	.32	5-4
Ava 14	.43	4-3	Chelsea 779	.17	5	Elliott 146	.28	4-3
Backbone 768	.24	4-3	Chute 282	.15	5	Ellison 137	.37	4-3
Banlic 787	.43	4	Cisne 2	.37	3	Elsah 475	.37	3
Barrington 443	.32	5-4	Clarence 147	.37	3-2	Emma 469	.37	5-4
Batavia 105	.32	5-4	Clarksdale 257	.37	5-4	Faxon 516	.28	4
Baxter 599	.32	4-3	Clarksville 471	.24	2-1	Fayette 280	.37	5-4
Baylis 472	.37	4-3	Clinton 18	.37	5-4	Fieldon 380	.28	5
Beardstown 188	.32	5-4	Coatsburg 660	.37	3-2	Fincastle 496	.37	5-4
Beasley 691	.43	3	Coffeen 428	.32	5	Fishhook 6	.43	3-2
Beaucoup 70	.32	5	Colo 402	.28	5	Flagg 419	.37	5-4
Bedford 598	.43	4-3	Colp 122	.43	3-2	Flagler 783	.20	4-3
Beecher 298	.37	3	Comfrey 776	.28	5	Flanagan 154	.28	5
Belknap 382	.37	5	Corwin 495	.32	5	Fox 327	.37	4-3
Berks 955 & 986[b]	.28	3-2	Cowden 112	.37	3	Frankfort 320	.37	3-2
Billett 332	.20	5-4	Coyne 764	.20	5-4	Friesland 781	.20	5-4
Birds 334	.43	5	Creal 337	.37	5-4	Frondorf 786	.32	3-2
Birkbeck 233	.37	5-4	Dakota 379	.28	4-3	Gale 413	.37	4-3
Blackoar 603	.28	5	Dana 56	.32	5-4	Genesee 431	.37	5
Blair 5	.43	3-2	Darmstadt 620	.43	3	Gilford 201	.20	5
Bloomfield 53	.15	5	Darroch 740	.28	5	Ginat 460	.43	4
Blount 23	.43	3-2	Darwin 71	.28	3	Gorham 162	.32	5
Bluford 13	.43	3-2	Del Rey 192	.43	3-2	Gosport 551	.43	3-2
Bodine 471	.24	2-1	Denny 45	.37	3	Goss 606	.24	2-1
Bold 35	.43	5-4	Denrock 262	.37	3-2	Granby 513	.17	5
Bonfield 493	.24	3	Derinda 417	.43	3-2	Grantsburg 301	.43	4-3
Bonnie 108	.43	5	Dickinson 87	.20	4-3	Grays 698	.32	5-4
Booker 457	.37	5	Disco 266	.20	4	Grellton 780	.24	5-4
Boone 397	.15	4	Dodge 24	.37	4-3	Griswold 363	.32	5-4
Bowdre 589	.28	4	Dodgeville 40	.32	4-3	Hamburg 30	.43	5
Bowes 792	.32	5-4	Dorchester 239	.37	5	Harco 484	.32	5
Boyer 706	.17	4-3	Douglas 128	.32	5-4	Harpster 67	.28	5
Brandon 956[b]	.37	3-2	Dowagiac 346	.28	4-3	Harrison 127	.32	5-4
Brenton 149	.28	5	Downs 386	.32	5-4	Hartsburg 244	.28	5
Broadwell 684	0.32	5-4	Dresden 325	0.28	4-3	Harvard 344	0.32	5-4

Source: *Illinois Technical Guide*, Section 2, Soil Conservation Service, Champaign, Illinois.
[a]The first number in the column applies to soils with no erosion to moderate erosion; the second number, where it appears, applies to seriously eroded land with three inches or less topsoil remaining.
[b]In complexes with other soils.

Table 1. Continued

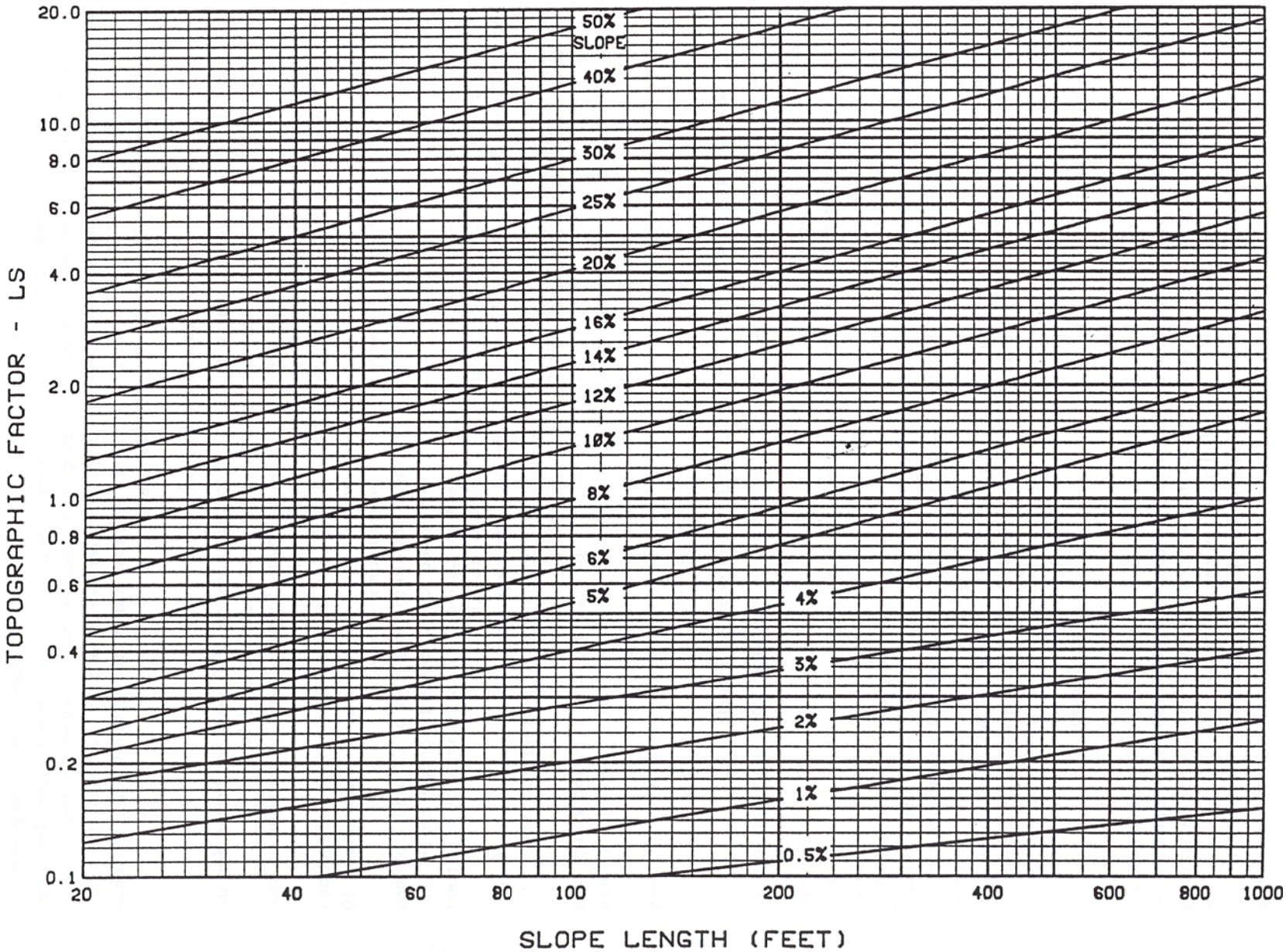
Soil type	K factor	T factor[a]
Hayfield 771	0.32	5
Haymond 331	.37	5
Hennepin 25	.32	5-4
Herbert 62	.32	5
Herrick 46	.28	5
Hesch 390	.20	4-3
Hickory 8	.37	5-4
High Gap 556	.37	4-3
Hitt 506	.32	5-4
Homer 326	.37	4
Hononegah 354	.15	4
Hoopeston 172	.20	4
Hosmer 214	.43	4-3
Hoyleton 3	.37	3-2
Huey 120	.43	2
Huntington 600	.28	5
Huntsville 77	.28	5
Hurst 338	.43	3-2
Iona 307	.37	5-4
Ipava 43	.28	5
Iva 454	.43	4-3
Jacob 85	.28	3
Jasper 440	.28	5
Joliet 314	.28	3
Joslin 763	.32	5-4
Joy 275	.28	5-4
Jules 28	.37	5
Juneau 782	.37	5
Kane 343	.28	4
Kankakee 494	.20	4
Karnak 426	.32	3
Keller 470	.37	3-2
Keltner 546	.32	4-3
Kendall 242	.37	5-4
Keomah 17	.37	5
Kernan 554	.37	4-3
Kidder 361	.32	5-4
Knight 191	.32	4
La Hogue 102	.28	5
Lamont 175	.24	5-4
Landes 304	.20	5
La Rose 60	.32	5-4
Lawler 647	.28	4
Lawndale 683	.32	5
Lawson 451	.28	5
Lax 628	.43	4-3
Lisbon 59	.28	5-4
Littleton 81	.28	5
Lomax 265	.28	5
Loran 572	0.28	4-3
Lorenzo 318	0.28	3-2
Lukin 167	.37	4-3
Marissa 176	.37	4
Markham 531	.37	3-2
Markland 467	.43	3-2
Marseilles 549	.37	4-3
Marshan 772	.28	4
Martinsville 570	.37	5-4
Martinton 189	.32	4-3
Massbach 753	.32	4-3
Matherton 342	.20	4-3
Maumee 89	.17	5
McFain 248	.28	4
McGary 173	.43	3-2
McHenry 310	.37	5-4
Medway 682	.32	5
Metea 205	.17	5-4
Miami 27	.37	5-4
Middletown 685	.37	5-4
Milford 69	.28	5
Millbrook 219	.32	5-4
Millington 82	.28	5
Millsdale 317	.32	4
Milroy 187	.24	4
Mokena 295	.28	4-3
Mona 448	.28	4-3
Monee 229	.37	3-2
Montgomery 465	.37	5
Montmorenci 57	.32	5-4
Morley 194	.43	3-2
Morocco 501	.17	5
Mt. Carroll 268	.32	5-4
Mundelein 442	.28	5-4
Muren 453	.37	5-4
Muscatine 41	.28	5
Muskingum 425	.28	3-2
Myrtle 414	.32	5-4
Nappanee 228	.43	3-2
Nasset 731	.32	4-3
Negley 585	.32	3-2
Neotoma 976 & 977[b]	.20	3-2
Newberry 217	.37	3
New Glarus 928 & 561[b]	.37	4-3
Niota 261	.37	3
Oakville 741	0.15	5
Ockley 387	0.37	5-4
Oconee 113	.37	3-2
Octagon 656	.32	5-4
Odell 490	.32	5-4
Ogle 412	.28	5-4
Okaw 84	.43	3-2
Onarga 150	.20	4-3
Oneco 752	.32	5-4
Orio 200	.28	4
Orion 415	.28	5
Otter 76	.28	5
Palsgrove 429	.32	4-3
Pana 256	.32	4-3
Papineau 42	.20	4
Parkville 619	.28	5
Parr 221	.32	5-4
Patton 142	.28	5
Pecatonica 21	.37	5-4
Pella 153	.28	5
Peotone 330	.28	5
Petrolia 288	.32	4
Piasa 474	.37	3
Pike 583	.37	5-4
Pillot 159	.32	4-3
Piopolis 420	.43	4
Plainfield 54	.17	5
Plano 199	.32	5-4
Plattville 240	.32	5-4
Port Byron 277	.32	5-4
Proctor 148	.32	5-4
Racoon 109	.43	3
Raddle 430	.32	5-4
Radford 74	.28	5
Rantoul 238	.28	3
Raub 481	.28	5
Reddick 594	.28	5
Reesville 723	.37	5
Richview 4	.32	5-4
Ridgeville 151	.20	4
Ridott 743	.32	4-3
Riley 452	.28	4
Ringwood 297	.28	5-4
Ripon 324	.32	4-3
Ritchey 311	.37	2-1
Robbs 335	.43	4-3
Roby 184	.24	4
Rockton 503	.28	4-3
Rodman 93	.20	3-2
Romeo 316	0.37	1

[a]The first number in the column applies to soils with no erosion to moderate erosion; the second number, where it appears, applies to seriously eroded land with three inches or less topsoil remaining.
[b]In complexes with other soils.

Table 1. Continued

Soil type	K factor	T factor[a]	Soil type	K factor	T factor[a]	Soil type	K factor	T factor[a]
Ross 73	0.32	5	Strawn 224	0.37	4-3	Washtenaw 296	0.37	5
Rowe 230	.28	5	Streator 435	.28	3	Watseka 49	.17	2
Rozetta 279	.37	5-4	Stronghurst 278	.37	5-4	Wauconda 697	.32	4-3
Ruark 178	.24	4	Sunbury 234	.32	5-4	Waukee 727	.24	4-3
Rush 791	.37	5-4	Swygert 91	.43	3-2	Waukegan 564	.32	4-3
Rushville 16	.43	3	Sylvan 19	.37	5-4	Waupecan 369	.32	4-3
Russell 322	.37	5-4	Symerton 294	.32	5-4	Wea 398	.32	5-4
Rutland 375	.32	5-4	Tallula 34	.32	5-4	Weinbach 461	.43	4-3
Sabina 236	.37	5-4	Tama 36	.32	5-4	Weir 165	.43	4
Sable 68	.28	5	Tamalco 581	.43	3-2	Wellston 339	.37	4-3
Saffell 956[b]	.20	4	Tell 565	.37	4-3	Wenona 388	.32	4-3
Sarpy 92	.15	5	Terril 587	.24	5	Wesley 141	.24	3-2
Saude 774	.28	4-3	Thebes 212	.37	4-3	Westland 300	.28	5
Sawmill 107	.28	5	Thorp 206	.37	4	Westmore 940[b]	.37	4
Saybrook 145	.32	5-4	Tice 284	.32	4	Westville 22	.37	5-4
Saylesville 370	.37	3-2	Timula 271	.37	5-4	Whalan 509	.32	4-3
Schapville 418	.32	3-2	Titus 404	.32	4	Wheeling 463	.32	4-3
Sciotoville 462	.37	4-3	Toronto 353	.32	5-4	Whitson 116	.43	4
Seaton 274	.37	5-4	Traer 633	.37	5	Will 329	.28	4
Selma 125	.28	5	Trempealeau 765	.28	3	Wingate 348	.32	5-4
Sexton 208	.43	4	Troxel 197	.28	5	Winnebago 728	.32	5-4
Shadeland 555	.37	4	Uniontown 482	.37	4-3	Woodbine 410	.37	4-3
Sharon 72	.37	5	Ursa 605	.37	4-3	Worthen 37	.32	5-4
Shiloh 138	.28	3	Varna 223	.32	4-3	Wynoose 12	.43	3
Shoals 424	.37	5	Velma 250	.32	4-3	Xenia 291	.37	5-4
Shullsburg 745	.32	4-3	Virden 50	.28	5	Zanesville 340	.43	3-2
Sidell 55	.32	5-4	Virgil 104	.32	5-4	Zipp 524	.28	5
Sogn 504	.28	1	Wabash 83	.28	5	Zurich 696	.37	5-4
Sparta 88	.17	5	Wagner 26	.28	3	Zwingle 576	0.43	3-2
St. Charles 243	.37	5-4	Wakeland 333	.37	5			
St. Clair 560	.37	3-2	Walshville 584	.43	3-2			
Starks 132	.37	5	Ware 456	.32	4			
Stockland 155	.20	2-1	Warsaw 290	.28	4-3			
Stonelick 665	.24	5	Wartrace 215	0.37	5-4			
Stoy 164	0.43	4-3						

[a]The first number in the column applies to soils with no erosion to moderate erosion; the second number, where it appears, applies to seriously eroded land with three inches or less topsoil remaining.
[b]In complexes with other soils.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0.6
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0.2
0.1
50% SLOPE
40%
30%
25%
20%
16%
14%
12%
10%
8%
6%
5%
4%
3%
2%
1%
0.5%
20
40
60
80
100
200
400
600
800
1000
SLOPE LENGTH (FEET)