

Cattaraugus County Frozen USLE "K" and "T" Factors

Code	Soil Survey Map Unit	K factor	T factor
1	Udifluvents and Fluvaquents, frequently flooded	0.32	3
2	Hamlin silt loam	0.49	5
3	Tioga silt loam	0.37	5
4	Teel silt loam	0.49	5
5	Wayland silt loam	0.43	5
6	Wyalusing silt loam	0.37	4
0.292	Philo silt loam, 0 to 3 percent slopes	0.37	5
8	Middlebury silt loam	0.28	5
9	Pawling silt loam	0.49	3
10	Atkins silt loam	0.32	4
11B	Ischua channery silt loam, 3 to 8 percent slopes	0.32	3
11C	Ischua channery silt loam, 8 to 15 percent slopes	0.32	3
11D	Ischua channery silt loam, 15 to 25 percent slopes	0.32	3
11E	Ischua channery silt loam, 25 to 35 percent slopes	0.32	3
11F	Ischua channery silt loam, 35 to 50 percent slopes	0.32	3
12B	Franklinville channery silt loam, 3 to 8 percent slopes	0.28	3
12C	Franklinville channery silt loam, 8 to 15 percent slopes	0.28	3
12D	Franklinville channery silt loam, 15 to 25 percent slopes	0.28	3
12E	Franklinville channery silt loam, 25 to 35 percent slopes	0.28	3
14B	Hornellsville silt loam, 3 to 8 percent slopes	0.43	3
14C	Hornellsville silt loam, 8 to 15 percent slopes	0.43	3
15B	Willdin channery silt loam, 3 to 8 percent slopes	0.24	3
15C	Willdin channery silt loam, 8 to 15 percent slopes	0.24	3
15D	Willdin channery silt loam, 15 to 25 percent slopes	0.24	3
0.667	Almond silt loam, 0 to 3 percent slopes	0.37	3
16B	Almond silt loam, 3 to 8 percent slopes	0.37	3
16C	Almond silt loam, 8 to 15 percent slopes	0.37	3
17B	Salamanca silt loam, 3 to 8 percent slopes	0.37	3
17C	Salamanca silt loam, 8 to 15 percent slopes	0.37	3
17D	Salamanca silt loam, 15 to 25 percent slopes	0.37	3
17E	Salamanca silt loam, 25 to 35 percent slopes	0.37	3
0.75	Pope silt loam, 0 to 3 percent slopes	0.37	5
0.792	Olean silt loam, 0 to 3 percent slopes	0.43	3
19B	Olean silt loam, 3 to 8 percent slopes	0.43	3
0.833	Unadilla silt loam, 0 to 3 percent slopes	0.49	3
20B	Unadilla silt loam, 3 to 8 percent slopes	0.49	3
20C	Unadilla silt loam, 8 to 15 percent slopes	0.49	3
20D	Unadilla silt loam, 15 to 25 percent slopes	0.49	3
0.917	Allard silt loam, 0 to 3 percent slopes	0.49	3
22B	Allard silt loam, 3 to 8 percent slopes	0.49	3
25A	Chenango gravelly silt loam, 0 to 3 percent slopes	0.24	3
25B	Chenango gravelly silt loam, 3 to 8 percent slopes	0.24	3
25C	Chenango gravelly silt loam, 8 to 15 percent slopes	0.24	3
25D	Chenango gravelly silt loam, 15 to 25 percent slopes	0.24	3
25E	Chenango gravelly silt loam, 25 to 35 percent slopes	0.24	3
25F	Chenango gravelly silt loam, 35 to 50 percent slopes	0.24	3

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26A	Chenango channery silt loam, fan 0 to 3 percent slopes	0.24	3
26B	Chenango channery silt loam, fan, 3 to 8 percent slopes	0.24	3
27A	Castile gravelly silt loam, 0 to 3 percent slopes	0.24	3
27B	Castile gravelly silt loam, 3 to 8 percent slopes	0.24	3
28A	Scio silt loam, 0 to 3 percent slopes	0.49	5
29A	Chenango fine gravelly sandy loam, 0 to 3 percent slopes	0.24	3
29B	Chenango fine gravelly sandy loam, 3 to 8 percent slopes	0.24	3
29C	Chenango fine gravelly sandy loam, 8 to 15 percent slopes	0.24	3
29D	Chenango fine gravelly sandy loam, 15 to 25 percent slopes	0.24	3
29E	Chenango fine gravelly sandy loam, 25 to 35 percent slopes	0.24	3
31B	Collamer silt loam, 3 to 8 percent slopes	0.49	3
31C	Collamer silt loam, 8 to 15 percent slopes	0.49	3
32A	Churchville silt loam, 0 to 3 percent slopes	0.49	3
32B	Churchville silt loam, 3 to 8 percent slopes	0.49	3
33A	Wallington silt loam, 0 to 3 percent slopes	0.49	3
34	Getzville silt loam	0.49	3
35A	Rhinebeck silt loam, 0 to 3 percent slopes	0.49	3
35B	Rhinebeck silt loam, 3 to 8 percent slopes	0.49	3
35C	Rhinebeck silt loam, 8 to 15 percent slopes	0.49	3
36	Canadice silty clay loam	0.49	3
37A	Tonawanda silt loam, 0 to 3 percent slopes	0.49	3
37B	Tonawanda silt loam, 3 to 8 percent slopes	0.49	3
38A	Niagara silt loam, 0 to 3 percent slopes	0.49	3
38B	Niagara silt loam, 3 to 8 percent slopes	0.49	3
39A	Halsey silt loam, 0 to 3 percent slopes	0.24	5
40A	Williamson silt loam, 0 to 3 percent slopes	0.49	3
40B	Williamson silt loam, 3 to 8 percent slopes	0.49	3
40C	Williamson silt loam, 8 to 15 percent slopes	0.49	3
41A	Barcelona silt loam, 0 to 3 percent slopes	0.49	3
41B	Barcelona silt loam, 3 to 8 percent slopes	0.49	3
42A	Elnora fine sandy loam, 0 to 3 percent slopes	0.17	4
42B	Elnora fine sandy loam, 3 to 8 percent slopes	0.17	4
43	Canandaigua silt loam	0.49	5
44	Canandaigua mucky silt loam	0.49	5
45	Canandaigua silt loam, acid substratum	0.49	5
46	Swormville silt loam	0.49	3
47A	Minoa very fine sandy loam, 0 to 3 percent slopes	0.28	4
48A	Colonie fine sandy loam, 0 to 3 percent slopes	0.24	4
48B	Colonie fine sandy loam, 3 to 8 percent slopes	0.24	4
48C	Colonie fine sandy loam, 8 to 15 percent slopes	0.24	4
49A	Red Hook silt loam, 0 to 3 percent slopes	0.32	3
50A	Canaseraga silt loam, 0 to 3 percent slopes	0.49	3
50B	Canaseraga silt loam, 3 to 8 percent slopes	0.49	3
50C	Canaseraga silt loam, 8 to 15 percent slopes	0.49	3
51B	Chadakoin channery silt loam, 3 to 8 percent slopes	0.32	3
51C	Chadakoin channery silt loam, 8 to 15 percent slopes	0.32	3
51D	Chadakoin channery silt loam, 15 to 25 percent slopes	0.32	3

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Code	Soil Survey Map Unit	K factor	T factor
51E	Chadakoin channery silt loam, 25 to 35 percent slopes	0.32	3
51F	Chadakoin channery silt loam, 35 to 50 percent slopes	0.32	3
52B	Valois gravelly silt loam, 3 to 8 percent slopes	0.24	3
52C	Valois gravelly silt loam, 8 to 15 percent slopes	0.24	3
52D	Valois gravelly silt loam, 15 to 25 percent slopes	0.24	3
52E	Valois gravelly silt loam, 25 to 35 percent slopes	0.24	3
52F	Valois gravelly silt loam, 35 to 50 percent slopes	0.24	3
53C	Valois-Volusia-Mardin complex, 3 to 15 percent slopes	0.24	3
55A	Darien silt loam, 0 to 3 percent slopes	0.37	3
55B	Darien silt loam, 3 to 8 percent slopes	0.37	3
55C	Darien silt loam, 8 to 15 percent slopes	0.37	3
56B	Chautauqua silt loam, 3 to 8 percent slopes	0.32	3
56C	Chautauqua silt loam, 8 to 15 percent slopes	0.32	3
56D	Chautauqua silt loam, 15 to 25 percent slopes	0.32	3
57A	Busti silt loam, 0 to 3 percent slopes	0.32	3
57B	Busti silt loam, 3 to 8 percent slopes	0.32	3
57C	Busti silt loam, 8 to 15 percent slopes	0.32	3
58B	Rushford channery silt loam, 3 to 8 percent slopes	0.24	3
58C	Rushford channery silt loam, 8 to 15 percent slopes	0.24	3
59B	Yorkshire channery silt loam, 3 to 8 percent slopes	0.32	3
59C	Yorkshire channery silt loam, 8 to 15 percent slopes	0.32	3
59D	Yorkshire channery silt loam, 15 to 25 percent slopes	0.32	3
60A	Napoli silt loam, 0 to 3 percent slopes	0.37	3
60B	Napoli silt loam, 3 to 8 percent slopes	0.37	3
60C	Napoli silt loam, 8 to 15 percent slopes	0.37	3
60D	Napoli silt loam, 15 to 25 percent slopes	0.37	3
61B	Schuyler silt loam, 3 to 8 percent slopes	0.37	3
61C	Schuyler silt loam, 8 to 15 percent slopes	0.37	3
61D	Schuyler silt loam, 15 to 25 percent slopes	0.37	3
61E	Schuyler silt loam, 25 to 35 percent slopes	0.37	3
62B	Mardin channery silt loam, 3 to 8 percent slopes	0.24	3
62C	Mardin channery silt loam, 8 to 15 percent slopes	0.24	3
62D	Mardin channery silt loam, 15 to 25 percent slopes	0.24	3
63B	Langford channery silt loam, 3 to 8 percent slopes	0.2	3
63C	Langford channery silt loam, 8 to 15 percent slopes	0.2	3
63D	Langford channery silt loam, 15 to 25 percent slopes	0.2	3
64C	Mardin channery silt loam, 8 to 15 percent slopes, very stony	0.24	3
66B	Volusia channery silt loam, 3 to 8 percent slopes, very stony	0.24	3
67A	Dalton silt loam, 0 to 3 percent slopes	0.49	3
67B	Dalton silt loam, 3 to 8 percent slopes	0.49	3
68A	Volusia channery silt loam, 0 to 3 percent slopes	0.24	3
68B	Volusia channery silt loam, 3 to 8 percent slopes	0.24	3
68C	Volusia channery silt loam, 8 to 15 percent slopes	0.24	3
69A	Erie channery silt loam, 0 to 3 percent slopes	0.24	3
69B	Erie channery silt loam, 3 to 8 percent slopes	0.24	3
69C	Erie channery silt loam, 8 to 15 percent slopes	0.24	3
71E	Mongaup channery silt loam, 25 to 35 percent slopes, very stony	0.24	3

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Code	Soil Survey Map Unit	K factor	T factor
71F	Mongaup channery silt loam, 35 to 70 percent slopes, very stony	0.24	3
72B	Towerville silt loam, 3 to 8 percent slopes	0.37	3
72C	Towerville silt loam, 8 to 15 percent slopes	0.37	3
72D	Towerville silt loam, 15 to 25 percent slopes	0.37	3
72E	Towerville silt loam, 25 to 35 percent slopes	0.37	3
72F	Towerville silt loam, 35 to 50 percent slopes	0.37	3
73B	Gretor channery silt loam, 3 to 8 percent slopes	0.24	2
73C	Gretor channery silt loam, 8 to 15 percent slopes	0.24	2
74	Ashville silt loam	0.37	5
75	Alden mucky silt loam	0.37	5
76A	Orpark silt loam, 0 to 3 percent slopes	0.37	3
76B	Orpark silt loam, 3 to 8 percent slopes	0.37	3
76C	Orpark silt loam, 8 to 15 percent slopes	0.37	3
77A	Chippewa silt loam, 0 to 3 percent slopes	0.32	3
78A	Hornell silt loam, 0 to 3 percent slopes	0.43	3
78B	Hornell silt loam, 3 to 8 percent slopes	0.43	3
78C	Hornell silt loam, 8 to 15 percent slopes	0.43	3
78D	Hornell silt loam, 15 to 25 percent slopes	0.43	3
78F	Hornell and Hudson soils, 35 to 50 percent slopes	0.43	3
79B	Mongaup channery silt loam, 3 to 8 percent slopes	0.24	3
79C	Mongaup channery silt loam, 8 to 15 percent slopes	0.24	3
79D	Mongaup channery silt loam, 15 to 25 percent slopes	0.24	3
79E	Mongaup channery silt loam, 25 to 35 percent slopes	0.24	3
79F	Mongaup channery silt loam, 35 to 70 percent slopes	0.24	3
80A	Fremont silt loam, 0 to 3 percent slopes	0.37	3
80B	Fremont silt loam, 3 to 8 percent slopes	0.37	3
80C	Fremont silt loam, 8 to 15 percent slopes	0.37	3
81B	Varysburg gravelly silt loam, 3 to 8 percent slopes	0.24	3
81C	Varysburg gravelly silt loam, 8 to 15 percent slopes	0.24	3
81D	Varysburg gravelly silt loam, 15 to 25 percent slopes	0.24	3
81E	Varysburg gravelly silt loam, 25 to 35 percent slopes	0.24	3
82F	Rock outcrop-Manlius complex, 35 to 70 percent slopes	0.28	3
84B	Elko silt loam, 3 to 8 percent slopes	*	*
84C	Elko silt loam, 8 to 15 percent slopes	*	*
85B	Onoville silt loam, 3 to 8 percent slopes	0.37	3
85C	Onoville silt loam, 8 to 15 percent slopes	0.37	3
85D	Onoville silt loam, 15 to 25 percent slopes	0.37	3
86B	Eldred silt loam, 3 to 8 percent slopes	*	*
86C	Eldred silt loam, 8 to 15 percent slopes	*	*
86D	Eldred silt loam, 15 to 25 percent slopes	*	*
87B	Shongo silt loam, 3 to 8 percent slopes	*	*
87C	Shongo silt loam, 8 to 15 percent slopes	*	*
88A	Ivory silt loam, 0 to 3 percent slopes	0.49	3
88B	Ivory silt loam, 3 to 8 percent slopes	0.49	3
88C	Ivory silt loam, 8 to 15 percent slopes	0.49	3
88D	Ivory silt loam, 15 to 25 percent slopes	0.49	3
89B	Portville silty clay loam, 3 to 8 percent slopes	*	*

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Code	Soil Survey Map Unit	K factor	T factor
89C	Portville silty clay loam, 8 to 15 percent slopes	*	*
90A	Brinkerton silt loam, 0 to 3 percent slopes	0.32	3
90B	Brinkerton silt loam, 3 to 8 percent slopes	0.32	3
91A	Palms muck, 0 to 2 percent slopes	NA	5
92	Carlisle muck	NA	5
93	Saprists, inundated	NA	NA
94B	Frewsburg silt loam, 3 to 8 percent slopes	0.37	3
94C	Frewsburg silt loam, 8 to 15 percent slopes	0.37	3
95B	Mandy channery silt loam, 3 to 8 percent slopes	0.24	3
95C	Mandy channery silt loam, 8 to 15 percent slopes	0.24	3
95D	Mandy channery silt loam, 15 to 25 percent slopes	0.24	3
95E	Mandy channery silt loam, 25 to 35 percent slopes	0.24	3
95F	Mandy channery silt loam, 35 to 50 percent slopes	0.24	3
96B	Carrollton channery silt loam, 3 to 8 percent slopes	0.37	3
96C	Carrollton channery silt loam, 8 to 15 percent slopes	0.37	3
96D	Carrollton channery silt loam, 15 to 25 percent slopes	0.37	3
96E	Carrollton channery silt loam, 25 to 35 percent slopes	0.37	3
96F	Carrollton channery silt loam, 35 to 50 percent slopes	0.37	3
97B	Kinzua channery silt loam, 3 to 8 percent slopes	0.28	3
97C	Kinzua channery silt loam, 8 to 15 percent slopes	0.28	3
97D	Kinzua channery silt loam, 15 to 25 percent slopes	0.28	3
97E	Kinzua channery silt loam, 25 to 35 percent slopes	0.28	3
97F	Kinzua channery silt loam, 35 to 60 percent slopes	0.28	3
98D	Kinzua channery silt loam, 15 to 25 percent slopes, extremely bouldery	0.28	3
98E	Kinzua channery silt loam, 25 to 35 percent slopes, extremely bouldery	0.28	3
99B	Buchanan silt loam, 3 to 8 percent slopes	0.32	3
99C	Buchanan silt loam, 8 to 15 percent slopes	0.32	3
99D	Buchanan silt loam, 15 to 25 percent slopes	0.32	3
100	Udorthents, loamy-skeletal	NA	NA
101	Udorthents, refuse substratm	NA	NA
102C	Mandy-Rock outcrop complex, 3 to 15 percent slopes	*	*
103C	Knapp Creek-Rock outcrop complex, 3 to 15 percent slopes	*	*
104B	Flatiron loamy fine sand, 3 to 8 percent slopes, extremely bouldery	*	*
104C	Flatiron loamy fine sand, 8 to 15 percent slopes, extremely bouldery	*	*
104D	Flatiron loamy fine sand, 15 to 25 percent slopes, extremely bouldery	*	*
104E	Flatiron loamy fine sand, 25 to 35 percent slopes, extremely bouldery	*	*
108D	Hartleton channery silt loam, 15 to 25 percent slopes	0.2	3
108E	Hartleton channery silt loam, 25 to 35 percent slopes	0.2	3
108F	Hartleton channery silt loam, 35 to 50 percent slopes	0.2	3
131	Lamson very fine sandy loam	0.28	5
132B	Wischoy channery silt loam, 3 to 8 percent slopes	*	*
132C	Wischoy channery silt loam, 8 to 15 percent slopes	*	*
135C	Hudson silt loam, 8 to 15 percent slopes	0.49	3

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135D	Hudson silt loam, 15 to 25 percent slopes	0.49	3
135E	Hudson silt loam, 25 to 35 percent slope	0.49	3
140D	Dunkirk silt loam, 15 to 25 percent slopes	0.49	3
140E	Dunkirk silt loam, 25 to 35 percent slopes	0.49	3
185C	Onoville silt loam, 8 to 15 percent slopes, extremely bouldery	0.37	3
185D	Onoville silt loam, 15 to 25 percent slopes, extremely bouldery	0.37	3
187B	Shongo silt loam, 3 to 8 percent slopes, extremely bouldery	*	*
187C	Shongo silt loam, 8 to 15 percent slopes, extremely bouldery	*	*
188B	Cavode silt loam, 3 to 8 percent slopes	0.37	3
188C	Cavode silt loam, 8 to 15 percent slopes	0.37	3
188D	Cavode silt loam, 15 to 25 percent slopes	0.37	3
189B	Portville silty clay loam, 3 to 8 percent slopes, extremely bouldery	*	*
189C	Portville silty clay loam, 8 to 15 percent slopes, extremely bouldery	*	*
195C	Mandy channery silt loam, 3 to 15 percent slopes, extremely bouldery	0.24	3
195D	Mandy channery silt loam, 15 to 25 percent slopes, extremely bouldery	0.24	3
195E	Mandy channery silt loam, 25 to 50 percent slopes, extremely bouldery	0.24	3
199C	Buchanan silt loam, 8 to 15 percent slopes, extremely bouldery	0.24	3
199D	Buchanan silt loam, 15 to 35 percent slopes, extremely bouldery	0.24	3
289B	Ceres channery silt loam, 3 to 8 percent slopes	*	*
289C	Ceres channery silt loam, 8 to 15 percent slopes	*	*
289D	Ceres channery silt loam, 15 to 25 percent slopes	*	*
289E	Ceres channery silt loam, 25 to 35 percent slopes	*	*
289F	Ceres channery silt loam, 35 to 50 percent slopes	*	*
400	Wakeville silt loam	0.49	5
496B	Gilpin channery silt loam, 3 to 8 percent slopes	0.24	3
496C	Gilpin channery silt loam, 8 to 15 percent slopes	0.24	3
496D	Gilpin channery silt loam, 15 to 25 percent slopes	0.24	3
496E	Gilpin channery silt loam, 25 to 35 percent slopes	0.24	3
496F	Gilpin channery silt loam, 35 to 50 percent slopes	0.24	3
497D	Rayne channery silt loam, 15 to 25 percent slopes	0.2	3
497E	Rayne channery silt loam, 25 to 35 percent slopes	0.2	3
497F	Rayne channery silt loam, 35 to 50 percent slopes	0.2	3
498E	Rayne channery silt loam, 25 to 35 percent slopes, extremely bouldery	0.2	3
800	Holderton silt loam	0.28	5

T and k values shown in red were taken from similar map units in the published McKean Co., PA soil survey report (1987)

* red asterisk indicates new series that were established after 1985