

Highly erodible soil mapunit list-Blue Earth County, MN

This data is only to be used for HEL determinations

C=0.12 R=140

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Mapunit

Symbol	Mapunit Name	HELC	T	K	I	slope %	slope I	LS
L13A	Klossner muck, 0 to 1 percent slopes	NHEL	5		134	0.50	100	0.09
L84A	Glencoe clay loam, 0 to 1 percent slopes	NHEL	5	0.28	38	0.50	100	0.09
L85A	Nicollet clay loam, 1 to 3 percent slopes	NHEL	5	0.24	48	2.00	125	0.21
17	Minneopa sandy loam, 0 to 3 percent slopes	NHEL	4	0.20	86	1.00	150	0.14
18	Comfrey clay loam	NHEL	5	0.28	48	1.00	100	0.12
27	Dickinson fine sandy loam, 0 to 2 percent slopes	NHEL	4	0.20	86	1.00	150	0.14
27B	Dickinson fine sandy loam, 2 to 6 percent slopes	NHEL	4	0.20	86	4.00	150	0.47
35	Blue Earth mucky silt loam, 0 to 1 percent slopes	NHEL	5	0.28	86	0.50	100	0.09
39	Wadena loam, 0 to 2 percent slopes	NHEL	4	0.24	48	1.00	100	0.12
39B	Wadena loam, 2 to 6 percent slopes	NHEL	4	0.24	48	4.00	150	0.47
41	Estherville sandy loam, 0 to 2 percent slopes	NHEL	3	0.20	86	1.00	100	0.12
41B	Estherville sandy loam, 2 to 6 percent slopes	NHEL	3	0.20	86	4.00	150	0.47
41C	Estherville sandy loam, 6 to 18 percent slopes	PHEL	3	0.20	86	12.00	125	2.02
62	Barrington silt loam, 1 to 3 percent slopes	NHEL	5	0.32	48	2.00	150	0.22
69	Fedji loamy fine sand, 1 to 3 percent slopes	NHEL	5	0.17	134	2.00	150	0.22
69B	Fedji loamy fine sand, 3 to 8 percent slopes	NHEL	5	0.17	134	5.50	150	0.74
84	Brownton silty clay loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
85	Calco silty clay loam, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	86	1.00	150	0.14
86	Canisteo clay loam, 0 to 2 percent slopes	NHEL	5	0.24	86	1.00	100	0.13
94	Terril loam, 0 to 2 percent slopes	NHEL	5	0.24	48	1.00	100	0.12
94B	Terril loam, 2 to 6 percent slopes	NHEL	5	0.24	48	4.00	125	0.43
94C	Terril loam, 6 to 15 percent slopes	PHEL	5	0.24	48	10.50	150	1.80
96	Collinwood silty clay loam, 1 to 3 percent slopes	NHEL	5	0.32	86	2.00	150	0.22
96B	Collinwood silty clay loam, 2 to 6 percent slopes	NHEL	5	0.32	86	4.00	175	0.50
96C	Collinwood silty clay loam, 6 to 12 percent slopes	PHEL	5	0.32	86	9.00	150	1.44
96D	Collinwood silty clay loam, 12 to 18 percent slopes	HEL	5	0.32	86	15.00	125	2.86
100	Copaston loam, 1 to 4 percent slopes	NHEL	2	0.28	56	2.50	100	0.24
101B	Truman silt loam, 2 to 6 percent slopes	NHEL	5	0.32	48	4.00	175	0.50
101C	Truman silt loam, 6 to 12 percent slopes	PHEL	5	0.32	48	9.00	150	1.44
102B	Clarion loam, 2 to 6 percent slopes	NHEL	5	0.24	48	4.00	150	0.47
102C	Clarion loam, 6 to 10 percent slopes	PHEL	5	0.24	48	9.00	150	1.44
102D	Clarion loam, 12 to 18 percent slopes	HEL	5	0.24	48	15.00	150	3.13

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105B	Kamrar silty clay, 2 to 6 percent slopes	NHEL	5	0.28	86	4.00	150	0.47
105C	Kamrar silty clay, 6 to 12 percent slopes	PHEL	5	0.28	86	9.00	125	1.31
105D	Kamrar silty clay, 12 to 18 percent slopes	HEL	5	0.28	86	15.00	125	2.86
106B	Lester loam, 2 to 6 percent slopes	NHEL	5	0.28	48	4.00	150	0.47
106C	Lester loam, 6 to 10 percent slopes	PHEL	5	0.28	48	9.00	125	1.31
106D	Lester loam, 10 to 16 percent slopes	HEL	5	0.28	48	15.00	125	2.86
106E	Lester loam, 16 to 22 percent slopes	HEL	5	0.28	48	21.00	125	4.50
109	Cordova clay loam 0 to 2 percent slopes	NHEL	5	0.28	48	1.00	100	0.12
110	Marna silty clay loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.12
113	Webster clay loam, 0 to 2 percent slopes	NHEL	5	0.28	38	1.00	100	0.12
114	Glencoe silty clay loam, 0 to 1 percent slopes	NHEL	5	0.28	38	0.50	100	0.09
128	Grogan silt loam, 1 to 3 percent slopes	NHEL	5	0.32	56	2.00	150	0.22
128B	Grogan silt loam, 3 to 6 percent slopes	NHEL	5	0.32	56	4.50	150	0.56
134	Okoboji silty clay loam, 0 to 1 percent slopes	NHEL	5	0.32	86	0.50	100	0.09
136	Madelia silty clay loam, 0 to 2 percent slopes	NHEL	5	0.28	38	1.00	100	0.12
138B2	Lerdal silty clay loam, 2 to 6 percent slopes, eroded	NHEL	3	0.37	38	4.00	175	0.50
138C2	Lerdal silty clay loam, 6 to 15 percent slopes, eroded	HEL	3	0.37	38	10.50	150	1.80
140	Spicer silty clay loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	150	0.14
160	Fieldon loam, 0 to 2 percent slopes	NHEL	4	0.28	86	1.00	100	0.12
178	Granby fine sandy loam	NHEL	5	0.20	86	1.00	125	0.13
181	Litchfield loamy fine sand, 1 to 3 percent slopes	NHEL	5	0.17	134	2.00	100	0.20
183	Dassel loam	NHEL	4	0.20	56	0.50	100	0.09
196	Joliet silty clay loam	NHEL	2	0.28	38	1.00	100	0.13
197	Kingston silty clay loam, 1 to 3 percent slopes	NHEL	5	0.28	38	2.00	150	0.22
211	Lura silty clay, 0 to 1 percent slopes	NHEL	5	0.28	86	0.50	100	0.09
219	Rolfe silt loam, 0 to 1 percent slopes	NHEL	3	0.37	48	0.50	100	0.09
222B	Lasa fine sand, 2 to 8 percent slopes	NHEL	5	0.15	134	5.00	150	0.66
229	Waldorf silty clay loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	175	0.15
230	Guckeen silty clay loam, 1 to 4 percent slopes	NHEL	5	0.28	86	2.50	150	0.27
238B	Kilkenny clay loam, 2 to 6 percent slopes	NHEL	5	0.28	48	4.00	150	0.47
238C	Kilkenny clay loam, 6 to 10 percent slopes, moderately eroded	PHEL	5	0.28	48	9.00	125	1.31
238D	Kilkenny clay loam, 10 to 16 percent slopes, moderately eroded	HEL	5	0.28	48	15.00	125	2.86

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239	Le Sueur loam, 1 to 3 percent slopes	NHEL	5	0.24	48	2.00	150	0.22
248	Lomax loam, 1 to 3 percent slopes	NHEL	5	0.28	56	2.00	175	0.23
259B	Grays silt loam, 2 to 8 percent slopes	NHEL	5	0.32	48	5.00	150	0.66
275B	Ocheyedan loam, 2 to 8 percent slopes	NHEL	5	0.24	48	5.00	150	0.66
281	Darfur loam	NHEL	5	0.20	56	1.00	100	0.12
286	Shorewood silty clay loam, 1 to 6 percent slopes	NHEL	5	0.28	38	3.50	200	0.44
287	Minnetonka silty clay loam	NHEL	5	0.28	38	1.00	150	0.14
310	Beauford clay	NHEL	5	0.28	86	0.50	100	0.09
311	Shorewood silty clay, 1 to 6 percent slopes	NHEL	5	0.28	86	3.50	200	0.44
316	Baroda silty clay loam	NHEL	3	0.28	86	1.00	100	0.13
317	Oshawa silt loam	NHEL	5	0.28	0	0.50	100	0.10
319	Barbert silt loam	NHEL	3	0.28	45	0.50	100	0.10
321	Tilfer silty clay loam	NHEL	4	0.28	86	1.00	150	0.14
329	Chaska loam	NHEL	5	0.28	86	1.00	150	0.14
349	Calco silty clay loam, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.28	86	1.00	100	0.12
353	Comfrey clay loam, frequently flooded	NHEL	5	0.28	48	1.00	100	0.12
354	Dorchester loam, occasionally flooded	NHEL	5	0.37	86	1.00	150	0.14
360B	Lasa loamy fine sand, rock substratum, 1 to 6 percent slopes	NHEL	5	0.17	134	3.50	200	0.44
360E	Lasa loamy fine sand, rock substratum, 12 to 35 percent slopes	HEL	5	0.17	134	15.00	175	3.38
363	Minneopa loamy fine sand, occasionally flooded, 0 to 3 percent slopes	NHEL	4	0.20	134	1.00	150	0.14
364	Minnetonka silty clay loam, silty substratum	NHEL	5	0.28	38	1.00	150	0.14
414	Hamel loam, 0 to 2 percent slopes	NHEL	5	0.28	48	2.00	100	0.20
440	Copaston loam, very shallow, 1 to 4 percent slopes	NHEL	2	0.28	56	2.00	100	0.20
448	Shorewood silty clay loam, 1 to 3 percent slopes	NHEL	5	0.28	38	2.00	150	0.22
451	Dorchester loam, 1 to 3 percent slopes	NHEL	5	0.37	86	2.00	150	0.22
524	Caron muck	NHEL	5	0.00	134	0.50	100	0.09
525	Muskego soils, 0 to 1 percent slopes	NHEL	4	0.00	134	0.50	100	0.09
539	Klossner muck, lake plain, depressional, 0 to 1 percent slopes	NHEL	5	0.00	134	0.50	100	0.09
548	Palms muck, sandy substratum	NHEL	5	0.00	134	0.50	100	0.09
851	Chaska-Urban land complex	NHEL	5	0.28	86	1.00	100	0.13
852	Copaston-Urban land complex, 1 to 4 percent slopes	NHEL	2	0.28	56	2.00	100	0.20
853	Copaston-Urban land bouldery complex, 1 to 4 percent slopes	NHEL	2	0.20	56	2.00	100	0.20

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854	Cordova-Urban land complex, 0 to 3 percent slopes	NHEL	5	0.28	48	1.00	100	0.20
855	Dorchester-Urban land complex, 1 to 3 percent slopes	NHEL	5	0.37	86	2.00	100	0.20
856B	Terril-Urban land complex, 2 to 6 percent slopes	NHEL	5	0.24	48	4.00	100	0.40
856C	Terril-Urban land complex, 6 to 15 percent slopes	PHEL	5	0.24	48	10.50	125	1.65
909C	Bold-Truman silt loams, 6 to 12 percent slopes	PHEL	5	0.43	86	9.00	175	1.55
909D	Bold-Truman silt loams, 12 to 18 percent slopes	HEL	5	0.43	86	15.00	150	3.13
919	Canisteo-Fieldon loams	NHEL	5	0.32	86	1.00	150	0.14
920B	Clarion-Estherville complex, 2 to 6 percent slopes	NHEL	3	0.20	86	4.00	150	0.47
920C	Clarion-Estherville complex, 6 to 12 percent slopes	PHEL	3	0.20	86	9.00	125	1.31
920D	Clarion-Estherville complex, 12 to 20 percent slopes	HEL	3	0.20	86	16.00	125	3.17
921C	Clarion-Storden complex, 6 to 10 percent slopes, moderately eroded	PHEL	5	0.28	86	9.00	150	1.44
921D	Omsrud-Storden complex, 10 to 16 percent slopes, moderately eroded	HEL	5	0.28	86	16.00	125	3.17
923	Copaston-Rock outcrop complex, 1 to 4 percent slopes	NHEL	2	0.28	56	2.00	100	0.20
926	Darfur-Webster loams	NHEL	5	0.24	48	1.00	150	0.14
929	Fieldon-Canisteo loams	NHEL	5	0.32	86	1.00	100	0.12
932	Glencoe-Dassel loams	NHEL	5	0.28	48	0.50	100	0.09
941	Kingston-Nicollet complex, 1 to 3 percent slopes	NHEL	5	0.28	38	2.00	150	0.22
946	Litchfield-Nicollet complex, 1 to 3 percent slopes	NHEL	5	0.24	48	2.00	100	0.20
947	Madelia-Webster silty clay loams	NHEL	5	0.28	38	1.00	150	0.14
960E	Omsrud-Storden complex, 10 to 22 percent slopes, moderately eroded	HEL	5	0.28	86	21.00	125	4.50
961	Storden complex, very steep	HEL	5	0.28	86	50.00	125	20.00
961F	Storden complex, 24 to 45 percent slopes	HEL	5	0.28	86	30.00	125	9.00
968	Webster-Darfur-Granby complex	NHEL	5	0.28	48	1.00	100	0.12
978	Cordova-Rolfe complex, 0 to 2 percent slopes	NHEL	5	0.28	48	1.00	100	0.13
992	Rock outcrop-Copaston complex, very steep	HEL	2	0.28	0	50.00	125	20.00
996	Beauford-Barbert complex	NHEL	5	0.28	86	1.00	100	0.12
997	Marna-Barbert complex	NHEL	5	0.28	86	1.00	100	0.12
998	Minnetonka-Barbert complex	NHEL	5	0.28	38	1.00	100	0.12
1001	Alluvial land, occasionally flooded	NHEL	5	0.28	86	1.00	150	0.14
1002	Alluvial land, frequently flooded	NHEL	5	0.28	86	1.00	100	0.12
1004	Alluvial land, gently sloping	NHEL	5	0.28	86	1.00	100	0.12
1007	Alluvial-Urban land complex							

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1032	Lake beaches	NHEL	4	0.28	86	2.00	100	0.20
1039	Urban land, 0 to 2 percent slopes							
1053	Marsh	NHEL	5	0.00	0	0.50	100	0.09
1800	Caron mucky peat	NHEL	5	0.00	134	0.50	100	0.09
1801B	Grogan loamy fine sand, 2 to 6 percent slopes	NHEL	5	0.28	134	4.00	150	0.47
I-W	Intermittent water							
W	Water							