

Highly Erodible Soil Map Unit List - **SHERBURNE COUNTY, MN**

C=.10

R=130

This data is only to be used for HEL determinations. This is the "frozen list" based on 01/01/1990 information. Values other than 'HELC' should only be used for PHEL.

musym	muname	HELC	T	K	I	slope_%	slope_l	LS
7A	Hubbard loamy sand, 0 to 2 percent slopes	NHEL	5	0.15	134	1	80	0.12
7B	Hubbard loamy sand, 2 to 6 percent slopes	NHEL	5	0.15	134	3	100	0.29
7C	Hubbard loamy sand, 6 to 12 percent slopes	NHEL	5	0.15	134	9	90	1
32B	Nebish fine sandy loam, 2 to 6 percent slopes	NHEL	5	0.28	86	3	110	0.3
32C	Nebish fine sandy loam, 6 to 12 percent slopes	PHEL	5	0.28	86	9	100	1.2
32D	Nebish fine sandy loam, 12 to 18 percent slopes	HEL	5	0.28	86	15	90	2.3
32E	Nebish fine sandy loam, 18 to 35 percent slopes	HEL	5	0.28	86	25	90	5.7
38B	Waukon fine sandy loam, 2 to 6 percent slopes	NHEL	5	0.28	86	3	110	0.3
75	Bluffton loam, depressional, 0 to 1 percent slopes	NHEL	5	0.28	56	0.5	100	0.1
125	Beltrami fine sandy loam, 0 to 3 percent slopes	NHEL	5	0.28	86	2	75	0.19
152C	Milaca fine sandy loam, 6 to 12 percent slopes	PHEL	4	0.28	86	9	115	1.2
152E	Milaca fine sandy loam, 12 to 25 percent slopes	HEL	4	0.28	86	20	100	4
158A	Zimmerman fine sand, 0 to 3 percent slopes	NHEL	5	0.17	220	1	90	0.12
158B	Zimmerman fine sand, 3 to 6 percent slopes	NHEL	5	0.17	220	3	110	0.3
158C	Zimmerman fine sand, 6 to 12 percent slopes	NHEL	5	0.17	220	9	100	1.2
158E	Zimmerman fine sand, 12 to 25 percent slopes	HEL	5	0.17	220	20	100	4
161	Isanti fine sandy loam, depressional, 0 to 1 percent slopes	NHEL	5	0.20	86	0.5	100	0.1
162	Lino loamy fine sand, 0 to 2 percent slopes	NHEL	5	0.17	134	2	60	0.25
164A	Mora loam, 0 to 3 percent slopes	NHEL	4	0.37	56	2	100	0.2
165	Parent loam, 0 to 2 percent slopes	NHEL	4	0.32	56	1	100	0.13
166	Ronneby loam, 0 to 2 percent slopes	NHEL	4	0.32	56	1	80	0.12
169B	Braham loamy fine sand, 3 to 6 percent slopes	NHEL	5	0.17	134	4	110	0.42
169C	Braham loamy fine sand, 6 to 12 percent slopes	NHEL	5	0.17	134	9	100	1.2
169D	Braham loamy fine sand, 12 to 18 percent slopes	HEL	5	0.17	134	15	90	2.4
204B	Cushing fine sandy loam, 2 to 8 percent slopes	NHEL	5	0.28	86	5	110	0.56
204C	Cushing fine sandy loam, 8 to 15 percent slopes	PHEL	5	0.28	86	11	100	1.6
258B	Sandberg loamy coarse sand, 1 to 6 percent slopes	NHEL	5	0.17	134	3	110	0.3
258C	Sandberg loamy coarse sand, 6 to 12 percent slopes	NHEL	5	0.17	134	9	100	1.2
258E	Sandberg loamy coarse sand, 12 to 35 percent slopes	HEL	5	0.17	134	20	100	4
260	Duelm loamy sand, 0 to 2 percent slopes	NHEL	5	0.17	134	1	70	0.11
261	Isan sandy loam, depressional, 0 to 1 percent slopes	NHEL	5	0.20	86	0.5	100	0.1

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325	Prebish fine sandy loam, depressional, 0 to 1 percent slopes	NHEL	4	0.28	86	0.5	100	0.1
341	Arvilla sandy loam, 0 to 2 percent slopes	NHEL	3	0.20	86	1	80	0.12
346	Talmoon loam, 0 to 2 percent slopes	NHEL	5	0.28	56	1	100	0.13
373	Renshaw loam, 0 to 3 percent slopes	NHEL	3	0.28	48	1	80	0.12
454B	Mahtomedi loamy coarse sand, 1 to 6 percent slopes	NHEL	5	0.15	134	3	115	0.3
454C	Mahtomedi loamy coarse sand, 6 to 15 percent slopes	NHEL	5	0.15	134	10	110	1.4
540	Seelyeville muck, 0 to 1 percent slopes	NHEL	5	0.10	134	0.5	150	0.11
543	Markey muck, 0 to 1 percent slopes	NHEL	4	0.10	134	0.5	150	0.11
544	Cathro muck, 0 to 1 percent slopes	NHEL	5	0.10	134	0.5	150	0.11
565	Eckvoll loamy fine sand, 0 to 3 percent slopes	NHEL	5	0.17	134	2	75	0.19
567	Verndale sandy loam, 0 to 2 percent slopes	NHEL	3	0.28	86	1	80	0.12
623A	Pierz sandy loam, 0 to 2 percent slopes	NHEL	4	0.20	86	1	80	0.12
623B	Pierz sandy loam, 2 to 6 percent slopes	NHEL	4	0.20	86	3	110	0.3
708	Rushlake coarse sand, 1 to 4 percent slopes	NHEL	5	0.15	160	2	80	0.19
730A	Sanburn fine sandy loam, 0 to 2 percent slopes	NHEL	4	0.28	86	1	60	0.11
730B	Sanburn fine sandy loam, 2 to 6 percent slopes	NHEL	4	0.28	86	3	110	0.3
732B	Bushville fine sand, 2 to 6 percent slopes	NHEL	4	0.15	220	3	100	0.29
768	Mosford sandy loam, 0 to 2 percent slopes	NHEL	3	0.20	86	1	90	0.12
771	Elkriver fine sandy loam, 0 to 2 percent slopes, rarely flooded	NHEL	4	0.20	86	1	80	0.12
799	Seelyeville and Bowstring soils, 0 to 1 percent slopes, frequently flooded	NHEL	5	0.10	134	0.5	150	0.11
1013	Pits, quarry	PHEL	2	0.17	134	9	100	1.2
1015	Udipsamments, cut and fill land	NHEL						
1016	Udorthents, loamy, cut and fill land	PHEL	5	0.28	86	9	100	1.2
1028	Udorthents-Pits, gravel, complex	PHEL	4	0.28	86	10	110	1.4
1109	Isanti loamy fine sand, 0 to 2 percent slopes	NHEL	5	0.17	134	1	100	0.13
1110	Isan sandy loam, 0 to 2 percent slopes	NHEL	5	0.20	86	1	100	0.13
1223	Sandberg-Arvilla complex, 0 to 3 percent slopes	NHEL	3	0.20	86	1	80	0.12
1224	Hubbard-Verndale complex, 0 to 3 percent slopes	NHEL	3	0.28	86	1	80	0.12
1253B	Stonelake-Sanburn complex, 1 to 6 percent slopes	NHEL	4	0.28	86	3	110	0.3
1253C	Stonelake-Sanburn complex, 6 to 15 percent slopes	PHEL	4	0.28	86	10	110	1.4
1253E	Stonelake-Sanburn complex, 15 to 40 percent slopes	HEL	2	0.17	134	25	100	6

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musym	muname	HEL	T	K	I	slope_%	slope_l	LS
1254	Ricelake fine sandy loam, 0 to 3 percent slopes	NHEL	5	0.20	86	2	70	0.18
1255	Elkriver fine sandy loam, 0 to 2 percent slopes, occasionally flooded	NHEL	4	0.20	86	1	100	0.13
1256	Cantlin loamy fine sand, 0 to 3 percent slopes	NHEL	5	0.17	134	1	50	0.1
1257	Elkriver-Mosford complex, 0 to 6 percent slopes, rarely flooded	NHEL	3	0.20	86	3	75	0.27
1258B	Zimmerman fine sand, thick solum, 1 to 6 percent slopes	NHEL	5	0.17	220	3	110	0.3
1258C	Zimmerman fine sand, thick solum, 6 to 12 percent slopes	NHEL	5	0.17	220	9	100	1.2
1258E	Zimmerman fine sand, thick solum, 12 to 35 percent slopes	HEL	5	0.17	220	18	100	3.5
1260B	Stonelake-Nebish complex, 2 to 6 percent slopes	NHEL	2	0.17	134	3	110	0.3
1260C	Stonelake-Nebish complex, 6 to 12 percent slopes	PHEL	2	0.17	134	9	100	1.2
1260E	Stonelake-Nebish complex, 12 to 25 percent slopes	HEL	5	0.24	86	18	90	3.2
1270B	Milaca fine sandy loam, moderately wet, 3 to 6 percent slopes	NHEL	4	0.28	86	4	120	0.43
1288	Seelyeville-Markey complex, ponded, 0 to 1 percent slopes	NHEL	4	0.10	134	0.5	0	0
1356	Water, miscellaneous	NHEL						
1946	Fordum-Winterfield complex, 0 to 2 percent slopes, frequently flooded	NHEL	4	0.20	86	1	150	0.15
C4A	Cebana-Giese, frequently ponded-Ronneby complex, 0 to 3 percent slopes, stony	NHEL						
C9B	Mora-Ronneby complex, 1 to 4 percent slopes, stony	NHEL						
C28A	Cathro-Twig, stony complex, 0 to 1 percent slopes, frequently ponded	NHEL						
C71C	Milaca-Mora complex, 1 to 7 percent slopes, stony	NHEL						
C73C	Milaca loam, 1 to 7 percent slopes, stony	NHEL						
C75A	Seelyeville, occasionally ponded-Cathro, frequently ponded, complex, 0 to 1 percent slopes	NHEL						
C211	Bowstring muck and Fluvaquents, loamy, 0 to 2 percent slopes, frequently flooded	NHEL						
D20A	Isan-Isan, frequently ponded, complex, 0 to 2 percent slopes	NHEL	5	0.20	86	1	100	0.13
D61A	Hubbard-Verndale, acid substratum, complex, Mississippi River Valley, 0 to 3 percent slopes	NHEL	3	0.28	86	1	80	0.12
D62A	Hubbard-Mosford complex, Mississippi River Valley, 0 to 3 percent slopes	NHEL	3	0.20	86	1	90	0.12
D67A	Hubbard loamy sand, Mississippi River Valley, 0 to 2 percent slopes	NHEL	5	0.15	134	1	80	0.12
D67B	Hubbard loamy sand, Mississippi River Valley, 2 to 6 percent slopes	NHEL	5	0.15	134	3	100	0.29
D67C	Hubbard loamy sand, Mississippi River Valley, 6 to 12 percent slopes	NHEL	5	0.15	134	9	90	1
W	Water							