

Highly Erodible Soil Map Unit List - **East Becker** County, MN

C = 0.20

R = 90

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

areasym	musym	muname	HEL	T	K	I	slope %	slope_l	LS
MN005	26	Aazdahl clay loam, 1 to 4 percent slopes	NHEL	5	0.24	48	2	125	0.22
MN005	47	Colvin silty clay loam	NHEL	5	0.32	86	1	125	0.14
MN005	63	Rockwell loam	NHEL	3	0.24	86	1	125	0.14
MN005	108	McIntosh silt loam, 1 to 3 percent slopes	NHEL	5	0.28	86	2	125	0.22
MN005	111	Hangaard sandy loam	NHEL	5	0.2	86	1	125	0.14
MN005	121	Wykeham fine sandy loam, 1 to 3 percent slopes	NHEL	5	0.2	86	1	125	0.14
MN005	125	Beltrami loam, 1 to 3 percent slopes	NHEL	5	0.32	56	2	125	0.22
MN005	137	Dovray silty clay	NHEL	5	0.28	86	1	125	0.14
MN005	180	Gonvick loam, 1 to 4 percent slopes	NHEL	5	0.24	48	3	125	0.32
MN005	184	Balaton-Hamerly complex, 1 to 4 percent slopes	NHEL	5	0.28	86	2	125	0.22
MN005	191	Epoufette sandy loam	NHEL	4	0.2	86	1	125	0.14
MN005	202	Meehan loamy sand, 0 to 3 percent slopes	NHEL	5	0.17	134	2	125	0.22
MN005	335	Urness mucky silty clay loam, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.28	86	1	125	0.14
MN005	339	Fordville loam, 0 to 2 percent slopes	NHEL	4	0.24	48	2	125	0.22
MN005	344	Quam silty clay loam, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.28	38	1	125	0.14
MN005	351	Colvin silty clay loam, depressional	NHEL	5	0.32	86	1	125	0.14
MN005	375	Forada sandy loam, 0 to 2 percent slopes	NHEL	4	0.28	56	1	125	0.14
MN005	398	Winger silty clay loam, depressional	NHEL	5	0.28	86	1	125	0.14
MN005	413	Osakis loam, 0 to 2 percent slopes	NHEL	3	0.28	86	1	125	0.14
MN005	418	Lamoure silty clay loam, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	86	1	125	0.14
MN005	508	Wyndmere fine sandy loam	NHEL	5	0.2	86	1	125	0.14
MN005	540	Seelyeville-Seelyeville, ponded, complex, 0 to 1 percent slopes	NHEL	5	0.002	134	1	125	0.14
MN005	541	Rifle-Rifle, ponded, complex, 0 to 1 percent slopes	NHEL	5	0.002	56	1	125	0.14
MN005	544	Cathro muck, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.002	134	1	125	0.14
MN005	564	Friendship loamy sand	NHEL	5	0.17	134	2	125	0.22
MN005	624	Rosy sandy loam	NHEL	5	0.24	86	1	125	0.14
MN005	701	Runeberg mucky loam, depressional	NHEL	5	0.24	56	1	125	0.14
MN005	746	Haslie muck	NHEL	5	0.002	134	1	125	0.14
MN005	765	Smiley loam	NHEL	5	0.24	56	1	125	0.14
MN005	767	Auganaush loam	NHEL	3	0.32	48	1	125	0.14
MN005	785	Hamerly-Winger complex	NHEL	5	0.28	86	2	125	0.22
MN005	786	Winger-Hamerly-Colvin complex	NHEL	5	0.32	86	1	125	0.14
MN005	797	Mooselake and Lupton soils, 0 to 1 percent slopes	NHEL	5	0.1	134	1	125	0.14

areasym	musym	muname	HELIC	T	K	I	slope_ %	slope_1	LS
MN005	1015	Udipsamments, cut and fill land	NHEL	5	0.1	220	5	0	0
MN005	1016	Udorthents, loamy, cut and fill land	NHEL	5	0.24	86	25	0	0
MN005	1027	Udorthents, wet substratum (fill land)	NHEL	0	0	0	0	0	0
MN005	1030	Pits, gravel-Udipsamments complex	NHEL	5	0.17	86	0	0	0
MN005	1111	Nidaros muck, frequently flooded	NHEL	4	0	134	1	125	0.14
MN005	1113	Haslie, Seelyeville, and Cathro soils, frequently ponded, 0 to 1 percent slopes	NHEL	5	0	134	1	125	0.14
MN005	1128	Cathro muck, frequently flooded	NHEL	5	0.002	134	1	125	0.14
MN005	1129	Lindaas silty clay loam, morainic	NHEL	5	0.32	38	1	125	0.14
MN005	1130	Wolverton fine sandy loam	NHEL	5	0.28	86	1	125	0.14
MN005	1135	Foxlake silty clay loam	NHEL	5	0.28	86	1	125	0.14
MN005	1136	Nidaros muck	NHEL	4	0.002	134	1	125	0.14
MN005	1138	Rushlake and Hangaard soils, lake beaches	NHEL	5	0.2	86	1	100	0.14
MN005	1200	Egglake loam	NHEL	5	0.2	86	1	125	0.14
MN005	1210	Paddock-Epoufette complex	NHEL	4	0.2	86	1	125	0.14
MN005	1211	Egglake-Cathro complex	NHEL	5	0.2	86	1	125	0.14
MN005	1225	Wykeham-Karlstad complex	NHEL	3	0.24	86	2	125	0.22
MN005	1227	Quam, Cathro, and Urness soils, frequently ponded, 0 to 1 percent slopes	NHEL	2	0.1	0	1	125	0.14
MN005	1246	Winger silty clay loam	NHEL	5	0.28	86	1	125	0.14
MN005	1251	Lamoure silty clay loam, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.28	86	1	150	0.15
MN005	1291	Sedgeville loam, frequently flooded	NHEL	4	0.24	0	1	125	0.14
MN005	1306	Karlstad sandy loam	NHEL	3	0.24	86	2	125	0.21
MN005	1317	Vallers clay loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1	125	0.14
MN005	1318	Darnen loam, 1 to 6 percent slopes	NHEL	5	0.24	48	2	125	0.21
MN005	1321	Paddock-Becida, stony, complex, 0 to 3 percent slopes	NHEL	4	0.2	86	2	125	0.21
MN005	1356	Water, miscellaneous							
MN005	1365	Hillview fine sandy loam	NHEL	5	0.2	86	2	125	0.21
MN005	1878	Hamre muck	NHEL	5	0.002	134	1	125	0.14
MN005	1938	Lakepark-Parnell, occasionally ponded, complex, 0 to 2 percent slopes	NHEL	5	0.24	48	1	125	0.14
MN005	1942	Forada and Leafriver soils, frequently ponded, 0 to 1 percent slopes	NHEL	4	0.28	56	1	125	0.14
MN005	1967	Hamerly-Vallers complex	NHEL	5	0.28	86	2	125	0.22
MN005	1975	Oylen sandy loam	NHEL	3	0.2	86	1	125	0.14
MN005	1997	Vallers-Hamerly-Winger complex	NHEL	5	0.28	86	1	125	0.14
MN005	1104B	Waukon-Dorset complex, 1 to 8 percent slopes	NHEL	3	0.2	86	4	125	0.44
MN005	1104C	Waukon-Dorset complex, 8 to 15 percent slopes	PHL	3	0.2	86	12	125	2
MN005	1125B	Sverdrup-Abbeylake complex, 1 to 6 percent slopes	NHEL	4	0.2	86	4	125	0.44

areasym	musym	muname	HELC	T	K	I	slope_%	slope_l	LS
MN005	1125C	Sverdrup-Abbeylake complex, 6 to 12 percent slopes	NHEL	4	0.2	86	9	125	1.35
MN005	1126B	Verndale-Nymore complex, 0 to 6 percent slopes	NHEL	3	0.2	86	4	125	0.44
MN005	1127A	Bootlake-Graycalm complex, 0 to 2 percent slopes	NHEL	5	0.17	134	1	125	0.14
MN005	1127B	Bootlake-Graycalm complex, 2 to 8 percent slopes	NHEL	4	0.2	86	4	125	0.44
MN005	1131B	Verndale-Abbeylake complex, 1 to 6 percent slopes	NHEL	3	0.2	86	4	125	0.44
MN005	1132B	Eagleview-Balmlake complex, 1 to 8 percent slopes	NHEL	5	0.28	86	4	125	0.44
MN005	1132C	Eagleview-Balmlake complex, 8 to 15 percent slopes	PHEL	5	0.28	86	12	125	2
MN005	1132E	Eagleview-Balmlake complex, 15 to 30 percent slopes	HEL	5	0.28	86	22	100	6
MN005	1137B	Birchlake silty clay loam, 1 to 6 percent slopes	NHEL	5	0.37	38	3	125	0.32
MN005	1137C	Birchlake silty clay loam, 6 to 12 percent slopes, eroded	PHEL	5	0.37	38	9	125	1.35
MN005	1137D	Birchlake silty clay loam, 12 to 20 percent slopes, eroded	HEL	5	0.37	38	15	100	2.5
MN005	1137E	Birchlake silty clay loam, 20 to 30 percent slopes	HEL	5	0.37	38	25	100	6
MN005	1140B	Eagleview-Snellman complex, 1 to 8 percent slopes	NHEL	5	0.2	86	4	125	0.44
MN005	1140C	Eagleview-Snellman complex, 8 to 15 percent slopes	NHEL	5	0.2	86	12	125	2
MN005	1195B	Sybil-Eagleview complex, 2 to 8 percent slopes	NHEL	4	0.17	134	5	125	0.59
MN005	1195C	Sybil-Eagleview complex, 8 to 15 percent slopes	NHEL	4	0.17	134	11	125	1.8
MN005	1195E	Sybil-Eagleview complex, 15 to 30 percent slopes	HEL	4	0.17	134	22	100	4.8
MN005	1196B	Lida-Two Inlets complex, 1 to 8 percent slopes	NHEL	4	0.2	86	4	125	0.44
MN005	1196C	Lida-Two Inlets complex, 8 to 15 percent slopes	PHEL	4	0.2	86	11	125	1.8
MN005	1196E	Lida-Two Inlets complex, 15 to 30 percent slopes	HEL	4	0.2	86	22	100	4.8
MN005	1201C	Sugarbush-Snellman complex, 8 to 15 percent slopes	PHEL	4	0.2	86	11	125	1.8
MN005	1201E	Sugarbush-Snellman complex, 15 to 35 percent slopes	HEL	4	0.2	86	22	100	4.8
MN005	1234B	Formdale-Buse complex, 2 to 6 percent slopes	NHEL	5	0.24	48	5	125	0.59
MN005	1235B	Formdale-Buse-Sandberg complex, 2 to 6 percent slopes	NHEL	5	0.24	48	4	125	0.44
MN005	1238E	Two Inlets-Sugarbush complex, 8 to 30 percent slopes	HEL	5	0.1	134	22	100	4.79
MN005	1242D	Sandberg-Arvilla complex, 12 to 20 percent slopes	HEL	3	0.2	86	18	100	4
MN005	1243B	Sol sandy loam, 2 to 8 percent slopes, very stony	NHEL	5	0.2	0	4	125	0.44
MN005	1243C	Sol sandy loam, 8 to 15 percent slopes, very stony	NHEL	5	0.2	0	11	125	1.76
MN005	1243E	Sol sandy loam, 15 to 30 percent slopes, very stony	HEL	5	0.2	0	22	100	4.79
MN005	1244B	Sol-Sugarbush complex, 2 to 8 percent slopes, very stony	NHEL	5	0.2	0	4	125	0.44
MN005	1244C	Sol-Sugarbush complex, 8 to 15 percent slopes, very stony	PHEL	5	0.2	0	12	125	2
MN005	1244E	Sol-Sugarbush complex, 15 to 30 percent slopes, very stony	HEL	5	0.2	0	22	100	4.79
MN005	1247D	Corliss-Dorset complex, 6 to 20 percent slopes	HEL	3	0.2	86	15	100	2.5
MN005	1248C	Nymore-Verndale complex, 2 to 12 percent slopes	NHEL	5	0.17	134	9	125	1.3
MN005	1249C	Graycalm-Bootlake complex, 8 to 15 percent slopes	NHEL	5	0.17	134	12	125	2
MN005	1250C	Abbeylake-Verndale complex, 6 to 12 percent slopes	NHEL	5	0.15	134	9	125	1.3
MN005	1252B	Bootlake-Eagleview complex, 1 to 8 percent slopes	NHEL	5	0.2	86	4	125	0.44

areasym	musym	muname	HELC	T	K	I	slope_%	slope_l	LS
MN005	1263C	Eagleview-Bootlake complex, 8 to 15 percent slopes	NHEL	5	0.17	134	12	125	2
MN005	1319B	Rockwood soils, 2 to 6 percent slopes	NHEL	4	0.2	86	4	200	0.53
MN005	1319C	Rockwood soils, 6 to 12 percent slopes	PHEL	4	0.2	86	9	200	1.66
MN005	1319D	Rockwood soils, 12 to 20 percent slopes	HEL	4	0.2	86	16	200	4.03
MN005	1320B	Blowers soils, 1 to 6 percent slopes	NHEL	4	0.2	86	3	125	0.32
MN005	133A	Dalbo silt loam, 0 to 2 percent slopes	NHEL	3	0.43	48	1	150	0.15
MN005	133B	Dalbo silt loam, 2 to 8 percent slopes	PHEL	3	0.43	48	4	150	0.47
MN005	133C	Dalbo silt loam, 8 to 15 percent slopes	HEL	3	0.43	48	12	150	2.2
MN005	133E	Dalbo silt loam, 15 to 30 percent slopes	HEL	3	0.43	48	22	125	5.8
MN005	141B	Egeland sandy loam, 2 to 6 percent slopes	NHEL	5	0.2	86	4	125	0.44
MN005	141C	Egeland fine sandy loam, 6 to 12 percent slopes	NHEL	5	0.2	86	9	125	1.35
MN005	168B	Forman clay loam, 2 to 6 percent slopes	NHEL	5	0.28	48	4	125	0.44
MN005	168C2	Forman-Buse complex, 6 to 12 percent slopes, moderately eroded	NHEL	5	0.28	48	9	125	1.35
MN005	168D2	Forman-Buse complex, 12 to 20 percent slopes, moderately eroded	HEL	5	0.28	48	16	100	2.8
MN005	168E	Forman clay loam, 20 to 30 percent slopes	HEL	5	0.28	48	25	100	6
MN005	171B	Formdale clay loam, 1 to 6 percent slopes	NHEL	5	0.24	48	4	125	0.44
MN005	1825B	Seelyeville muck, seep, 1 to 10 percent slopes	NHEL	5	0.002	134	5	100	0.54
MN005	207D	Nymore loamy sand, 12 to 20 percent slopes	PHEL	5	0.17	134	16	100	2.8
MN005	20B	Chapett fine sandy loam, 2 to 8 percent slopes	NHEL	5	0.2	86	4	125	0.44
MN005	20C2	Chapett fine sandy loam, 8 to 15 percent slopes, eroded	NHEL	5	0.2	86	12	125	2
MN005	20E	Chapett fine sandy loam, 15 to 30 percent slopes	HEL	5	0.2	86	22	100	6
MN005	267B	Snellman sandy loam, 1 to 8 percent slopes	NHEL	5	0.2	86	4	125	0.44
MN005	267C	Snellman sandy loam, 8 to 15 percent slopes	NHEL	5	0.2	86	11	125	1.8
MN005	267E	Snellman sandy loam, 15 to 30 percent slopes	HEL	5	0.2	86	22	100	6
MN005	315A	Bootlake sandy loam, 0 to 2 percent slopes	NHEL	4	0.2	86	1	125	0.14
MN005	315B	Bootlake sandy loam, 2 to 5 percent slopes	NHEL	4	0.2	86	4	125	0.44
MN005	332B	Sugarbush loamy sand, 1 to 8 percent slopes	NHEL	4	0.2	86	4	125	0.44
MN005	38B	Waukon loam, 2 to 6 percent slopes	NHEL	5	0.24	48	4	125	0.44
MN005	38C	Waukon loam, 6 to 12 percent slopes	PHEL	5	0.24	48	12	125	2
MN005	38E	Waukon loam, 15 to 30 percent slopes	HEL	5	0.24	48	22	100	4.79
MN005	406A	Dorset sandy loam, 0 to 2 percent slopes	NHEL	3	0.2	86	1	125	0.14
MN005	406B	Dorset sandy loam, 2 to 6 percent slopes	NHEL	3	0.2	86	4	125	0.44
MN005	40B	Nebish loam, 1 to 8 percent slopes	NHEL	5	0.32	56	4	125	0.44
MN005	40C	Nebish loam, 3 to 15 percent slopes	PHEL	5	0.32	56	12	125	2
MN005	40E	Nebish loam, 8 to 30 percent slopes	HEL	5	0.32	56	22	100	6
MN005	422B	Bygland silty clay loam, 1 to 6 percent slopes	NHEL	5	0.28	38	4	125	0.44
MN005	422C	Bygland silty clay loam, 6 to 15 percent slopes	PHEL	5	0.28	38	10	200	2

areasym	musym	muname	HELC	T	K	I	slope_%	slope_l	LS
MN005	503B	Balmlake fine sandy loam, 1 to 8 percent slopes	NHEL	5	0.28	86	4	125	0.44
MN005	503C	Balmlake fine sandy loam, 8 to 15 percent slopes	PHEL	5	0.28	86	12	125	2
MN005	503E	Balmlake fine sandy loam, 15 to 30 percent slopes	HEL	5	0.28	86	22	100	6
MN005	567A	Verndale sandy loam, 0 to 2 percent slopes	NHEL	3	0.2	86	1	125	0.14
MN005	567B	Verndale sandy loam, 2 to 6 percent slopes	NHEL	3	0.2	86	4	125	0.44
MN005	579C2	Formdale-Langhei-Sandberg complex, 6 to 12 percent slopes, eroded	NHEL	5	0.32	86	9	125	1.35
MN005	711B	Arvilla-Sandberg complex, 2 to 6 percent slopes	NHEL	3	0.2	86	4	125	0.44
MN005	711C	Arvilla-Sandberg complex, 6 to 12 percent slopes	PHEL	3	0.2	86	9	125	1.35
MN005	718B	Naytahwaush loam, 1 to 8 percent slopes	NHEL	5	0.28	48	4	150	0.47
MN005	718C	Naytahwaush loam, 3 to 15 percent slopes	PHEL	5	0.28	48	12	150	2.2
MN005	718E	Naytahwaush loam, 8 to 30 percent slopes	HEL	5	0.28	48	22	125	5.8
MN005	721E	Corliss loamy sand, 20 to 35 percent slopes	HEL	5	0.15	134	28	100	7
MN005	747B	Audubon silty clay loam, 0 to 6 percent slopes	NHEL	5	0.32	86	3	125	0.31
MN005	753D	Abbeylake loamy sand, 12 to 20 percent slopes	PHEL	5	0.15	134	16	100	2.8
MN005	753E	Abbeylake loamy sand, 20 to 30 percent slopes	HEL	5	0.15	134	25	100	6
MN005	775B	Sugarbush-Two Inlets complex, 1 to 8 percent slopes	NHEL	4	0.2	86	4	125	0.44
MN005	775C	Sugarbush-Two Inlets complex, 3 to 15 percent slopes	PHEL	4	0.2	86	12	125	2
MN005	776B	Snellman-Sugarbush complex, 2 to 8 percent slopes	NHEL	5	0.2	86	5	125	0.6
MN005	776C	Snellman-Sugarbush complex, 8 to 15 percent slopes	PHEL	4	0.2	86	12	125	2
MN005	776E	Snellman-Sugarbush complex, 15 to 30 percent slopes	HEL	4	0.2	86	22	100	6
MN005	778B	Dorset-Corliss complex, 1 to 6 percent slopes	NHEL	3	0.2	86	4	125	0.44
MN005	778C	Dorset-Corliss complex, 6 to 12 percent slopes	PHEL	3	0.2	86	9	125	1.35
MN005	780B	Audubon-Boyerlake complex, 1 to 6 percent slopes	NHEL	5	0.32	86	4	150	0.47
MN005	780C2	Audubon-Boyerlake complex, 6 to 12 percent slopes, eroded	PHEL	5	0.32	86	9	150	1.4
MN005	780D2	Audubon-Boyerlake complex, 12 to 20 percent slopes, eroded	HEL	5	0.32	86	15	125	2.8
MN005	A1B	Eagleview-Menahga complex, 1 to 8 percent slopes	NHEL	5	0.17	134	4	125	0.44
MN005	A1C	Eagleview-Menahga complex, 3 to 15 percent slopes	NHEL	5	0.17	134	12	125	2
MN005	867E	Eagleview-Menahga complex, 15 to 30 percent slopes	HEL	5	0.17	134	22	125	5.8
MN005	903B	Hokans-Buse complex, 2 to 6 percent slopes	NHEL	5	0.32	86	4	125	0.44
MN005	903C2	Barnes-Buse complex, 6 to 12 percent slopes, moderately eroded	NHEL	5	0.32	86	9	125	1.35
MN005	931C2	Formdale-Langhei complex, 6 to 12 percent slopes, eroded	NHEL	5	0.32	86	9	125	1.35
MN005	942D2	Langhei-Barnes, moderately eroded, complex, 12 to 20 percent slopes	HEL	5	0.32	86	16	100	2.8
MN005	943D2	Langhei-Formdale complex, 12 to 20 percent slopes, eroded	HEL	5	0.32	86	15	100	2.5
MN005	943E	Langhei-Formdale complex, 20 to 30 percent slopes	HEL	5	0.32	86	25	100	6
MN005	951B	Nebish-Sugarbush complex, 2 to 8 percent slopes	NHEL	4	0.2	86	4	125	0.44
MN005	951C	Nebish-Sugarbush complex, 8 to 15 percent slopes	PHEL	4	0.2	86	12	125	2
MN005	951E	Nebish-Sugarbush complex, 15 to 30 percent slopes	HEL	4	0.2	86	22	100	6

<b>areasym</b>	<b>musym</b>	<b>muname</b>	<b>HELC</b>	<b>T</b>	<b>K</b>	<b>I</b>	<b>slope o/o</b>	<b>slope I</b>	<b>LS</b>
MN005	W	Water							