

Highly Erodible Soil Map Unit List - East Polk County, MN

C= 0.25

R= 80

This data is only to be used for HEL determinations

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

Mapunit Symbol	Mapunit Name	HELC	T	K	I	Slope Percent	Slope Length	LS
20B	Chapett fine sandy loam, 2 to 6 percent slopes	NHEL	5	0.2	86	3	150	0.32
20C2	Chapett fine sandy loam, 6 to 12 percent slopes, eroded	NHEL	5	0.2	86	8	100	0.99
20D2	Chapett fine sandy loam, 12 to 20 percent slopes, eroded	NHEL	5	0.2	86	16	60	2.2
20E	Chapett fine sandy loam, 20 to 40 percent slopes	HEL	5	0.2	86	30	50	6
38B	Waukon loam, 2 to 6 percent slopes	NHEL	5	0.2	48	3	150	0.32
38C2	Waukon, moderately eroded-Langhei complex, 6 to 12 percent slopes	NHEL	5	0.2	48	8	100	0.99
38D2	Waukon, moderately eroded-Langhei complex, 12 to 20 percent slopes	PHEL	5	0.2	48	16	60	2.2
45B	Maddock loamy fine sand, 1 to 6 percent slopes	NHEL	5	0.2	134	3	150	0.32
45C	Maddock loamy fine sand, 6 to 12 percent slopes	NHEL	5	0.2	134	8	100	0.99
45E	Maddock loamy fine sand, 12 to 30 percent slopes	PHEL	5	0.2	134	16	60	2.2
59	Grimstad fine sandy loam	NHEL	5	0.2	86	1	150	0.15
65	Foxhome sandy loam	NHEL	3	0.2	86	1	150	0.15
66	Flaming loamy fine sand	NHEL	5	0.2	134	2	150	0.23

111	Hangaard sandy loam	HEL	2	0.2	86	1	150	0.15
184A	Balaton-Hamerly complex, 1 to 4 percent slopes	NHEL	5	0.3	86	1	150	0.15
236	Vallers clay loam, 0 to 2 percent slopes	NHEL	5	0.3	86	1	150	0.15
258B	Sandberg sandy loam, 1 to 6 percent slopes	NHEL	5	0.2	134	3	150	0.32
258C	Sandberg sandy loam, 2 to 12 percent slopes	NHEL	5	0.2	134	8	100	0.99
258E	Sandberg gravelly sandy loam, 6 to 30 percent slopes	NHEL	5	0.2	134	16	60	2.2
296	Fram loam	NHEL	5	0.3	86	2	150	0.23
341B	Arvilla sandy loam, Till Prairie, 2 to 6 percent slopes	NHEL	3	0.2	86	2	150	0.23
348	Borup loam, depressional	NHEL	4	0.3	86	0.5	150	0.11
372	Hamar loamy fine sand	NHEL	5	0.2	134	1	150	0.15
387	Roliss loam, depressional	NHEL	5	0.3	48	0.5	150	0.11
412	Mavie fine sandy loam	NHEL	3	0.2	86	1	150	0.15
426	Foldahl loamy fine sand	NHEL	5	0.2	134	1	150	0.15
435	Syrene sandy loam	NHEL	3	0.2	86	1	150	0.15
439	Strathcona fine sandy loam	NHEL	5	0.2	86	1	150	0.15
481	Kratka fine sandy loam	NHEL	5	0.2	86	1	150	0.15
494B	Darnen loam, 1 to 6 percent slopes	NHEL	5	0.3	48	3	150	0.32

540	Seelyeville-Seelyeville, ponded, complex, 0 to 1 percent slopes	NHEL	5		134	0.5	150	0.11
543	Markey muck, occasionally ponded, 0 to 1 percent slopes	HEL	4		134	0.5	150	0.11
544	Cathro muck, occasionally ponded, 0 to 1 percent slopes	NHEL	5		134	0.5	150	0.11
547	Deerwood muck	HEL	3		134	0.5	150	0.11
563	Northwood muck	NHEL	5		134	0.5	150	0.11
565	Eckvoll loamy fine sand	NHEL	5	0.2	134	1	150	0.15
582	Roliss loam, 0 to 2 percent slopes	NHEL	5	0.3	48	1	150	0.15
650	Reiner fine sandy loam	NHEL	5	0.2	86	1	150	0.15
670	Knute fine sandy loam	NHEL	5	0.2	86	1	150	0.15
671	Onstad loam	NHEL	5	0.2	56	1	150	0.15
681	Brandsvold loam	NHEL	5	0.2	56	1	150	0.15
704	Wyrene sandy loam	NHEL	4	0.2	86	1	150	0.15
707A	Lizzie silt loam, 1 to 3 percent slopes	NHEL	5	0.3	56	2	150	0.23
712	Rosewood fine sandy loam	NHEL	3	0.2	86	1	150	0.15
713	Linveltdt fine sandy loam	NHEL	5	0.3	86	1	150	0.15
718B	Naytahwaush loam, 1 to 8 percent slopes	NHEL	3	0.3	48	4	150	0.47
718C	Naytahwaush loam, 3 to 15 percent slopes	NHEL	3	0.3	48	9	100	1.2

718E	Naytahwaush loam, 8 to 30 percent slopes	HEL	3	0.3	48	18	60	3
733	Berner muck	NHEL	5		134	0.5	150	0.11
735B	Halverson loamy fine sand, 1 to 6 percent slopes	NHEL	5	0.2	134	3	150	0.32
735C	Halverson loamy fine sand, 6 to 15 percent slopes	NHEL	5	0.2	134	9	100	1.2
737	Mahkonce loam	NHEL	3	0.3	48	1	150	0.15
746	Haslie muck	NHEL	5		134	0.5	150	0.11
749	Colvin silt loam, occasionally flooded	NHEL	5	0.3	86	1	150	0.15
765	Smiley loam	NHEL	5	0.2	56	1	150	0.15
767	Auganaush loam	NHEL	3	0.3	48	1	150	0.15
827B	Esmond-Heimdal-Sisseton complex, 2 to 6 percent slopes	NHEL	5	0.3	86	3	150	0.32
827C2	Esmond-Sisseton-Heimdal, complex, 2 to 12 percent slopes, moderately eroded	NHEL	5	0.3	86	8	100	0.99
967B	Waukon-Langhei complex, 2 to 6 percent slopes	NHEL	5	0.3	86	3	150	0.32
1006	Fluvaquents-Haploborolls complex, 0 to 30 percent slopes	NHEL	5	0.2	56	1	150	0.15
1030	Pits, gravel-udipsamments complex	NHEL	5	0	134	2	150	0.23
1055	Quam, Cathro, and Urness soils, frequently ponded, 0 to 1 percent slopes	NHEL	5			0.5	150	0.11
1113	Haslie, Seelyeville, and Cathro soils, frequently ponded, 0 to 1 percent slopes	NHEL	5			0.5	150	0.11
1117	Hedman loam	NHEL	5	0.2	86	1	150	0.15

1121	Hedman loam, depressional	NHEL	5	0.2	86	0.5	150	0.11
1122	Nielsville-Perella complex	NHEL	5	0.3	86	1	150	0.15
1142	Hedman-Fram complex	NHEL	5	0.3	86	1	150	0.15
1144	Strathcona and Kratka soils, depressional	NHEL	5	0.2	86	0.5	150	0.11
1152B	Sugarbush loamy sand, 1 to 8 percent slopes	HEL	4	0.2	134	4	150	0.47
1152C	Sugarbush loamy sand, 8 to 15 percent slopes	HEL	4	0.2	134	9	100	1.2
1152E	Sugarbush loamy sand, 15 to 30 percent slopes	HEL	4	0.2	134	18	60	3
1233D	Sisseton-Esmond-Heimdal, complex, 6 to 20 percent slopes, moderately eroded	HEL	5	0.3	86	14	100	2.2
1264	Ulen loamy fine sand	NHEL	5	0.2	134	1	150	0.15
1278	Rosewood-Venlo complex	NHEL	3	0.2	86	1	150	0.15
1279	Vallers-Hamerly complex	NHEL	5	0.3	86	1	150	0.15
1299	Borup very fine sandy loam	NHEL	4	0.3	86	1	150	0.15
1325	Bowstring-Fluvaquents complex, frequently flooded	NHEL	5		134	1	150	0.15
1356	Water, miscellaneous							
1422	Northwood muck, marl subsoil	NHEL	5		134	0.5	150	0.11
1874	Radium loamy sand	NHEL	5	0.2	134	1	150	0.15
1878	Hamre muck	NHEL	5		134	0.5	150	0.11

1879	Seelyeville muck, calcareous, 0 to 3 percent slopes	NHEL	5		134	1	150	0.15
1882	Rosewood, Strathcona, and Berner soils, seepy	NHEL	3	0.2	86	2	150	0.23
I2A	Augsburg very fine sandy loam, clayey till substratum, 0 to 1 percent slopes	NHEL	4	0.3	86	1	150	0.15
I3A	Berner muck, 0 to 1 percent slopes	NHEL	5		134	0.5	150	0.11
I4A	Berner, Rosewood, and Strathcona soils, seepy, 0 to 2 percent slopes	NHEL	3	0.2	86	2	150	0.23
I6A	Borup very fine sandy loam, 0 to 1 percent slopes	NHEL	4	0.3	86	1	150	0.15
I7A	Bowstring-Fluvaquents complex, 0 to 2 percent slopes, frequently flooded	NHEL	5		134	1	150	0.15
I8A	Cathro muck, 0 to 1 percent slopes	NHEL	5		134	0.5	150	0.11
I9A	Clearwater clay, 0 to 1 percent slopes	NHEL	5	0.3	86	1	150	0.15
I11A	Deerwood muck, 0 to 1 percent slopes	HEL	3		134	0.5	150	0.11
I12A	Eckvoll loamy fine sand, 0 to 2 percent slopes	NHEL	5	0.2	134	1	150	0.15
I13A	Espelie fine sandy loam, clayey till substratum, 0 to 1 percent slopes	NHEL	4	0.2	86	1	150	0.15
I14B	Fairdale silt loam, 1 to 6 percent slopes, occasionally flooded	NHEL	5	0.2	86	2	150	0.23
I14D	Fairdale silt loam, 6 to 15 percent slopes, occasionally flooded	NHEL	5	0.2	86	8	100	0.99
I15A	Hecla loamy fine sand, 0 to 2 percent slopes	NHEL	5	0.2	134	2	150	0.23
I16F	Fluvaquents,frequently flooded-Hapludolls complex, 0 to 30 percent slopes	NHEL	5	0.2	56	1	150	0.15
I17A	Foldahl fine sandy loam, loamy till substratum, 0 to 3 percent slopes	NHEL	5	0.2	134	1	150	0.15

I18A	Foldahl loamy fine sand, loamy till substratum, 0 to 3 percent slopes	NHEL	5	0.2	134	1	150	0.15
I19A	Foxhome sandy loam, 0 to 2 percent slopes	NHEL	3	0.2	86	1	150	0.15
I20A	Foxlake loam, 0 to 1 percent slopes	NHEL	5	0.3	56	1	150	0.15
I21A	Fram loam, 1 to 3 percent slopes	NHEL	5	0.3	86	2	150	0.23
I23A	Glyndon very fine sandy loam, 0 to 2 percent slopes	NHEL	5	0.3	86	1	150	0.15
I24A	Grimstad fine sandy loam, 0 to 2 percent slopes, aspen parkland	NHEL	5	0.2	86	1	150	0.15
I25A	Hamar loamy fine sand, Aspen Parkland, 0 to 1 percent slopes	NHEL	5	0.2	134	1	150	0.15
I26A	Hamerly loam, 0 to 2 percent slopes	NHEL	5	0.3	86	1	150	0.15
I27A	Hamre muck, 0 to 1 percent slopes	NHEL	5		134	0.5	150	0.11
I28A	Hangaard sandy loam, 0 to 2 percent slopes	HEL	2	0.2	86	1	150	0.15
I29D	Hattie clay, 6 to 15 percent slopes	PHEL	5	0.3	86	12	100	1.8
I30A	Hedman loam, 0 to 2 percent slopes	NHEL	5	0.2	86	1	150	0.15
I31A	Hedman-Fram complex, 0 to 3 percent slopes	NHEL	5	0.3	86	1	150	0.15
I32A	Hilaire fine sandy loam, clayey till substratum, 0 to 2 percent slopes	HEL	4	0.2	134	1	150	0.15
I33A	Hilaire loamy fine sand, 0 to 2 percent slopes	HEL	4	0.2	134	1	150	0.15
I34A	Huot fine sandy loam, clayey till substratum, 0 to 2 percent slopes	NHEL	4	0.2	86	1	150	0.15
I35A	Karlsruhe sandy loam, 0 to 2 percent slopes	NHEL	4	0.2	86	1	150	0.15

I37A	Kratka and Strathcona soils, 0 to 1 percent slopes	NHEL	5	0.2	86	0.5	150	0.11
I38A	Kratka fine sandy loam, loamy till substratum, 0 to 1 percent slopes	NHEL	5	0.2	86	1	150	0.15
I39A	Linvelde fine sandy loam, 0 to 2 percent slopes	NHEL	5	0.3	86	1	150	0.15
I40B	Maddock loamy fine sand, 2 to 6 percent slopes	NHEL	5	0.2	134	3	150	0.32
I41A	Markey muck, 0 to 1 percent slopes	HEL	4		134	0.5	150	0.11
I42A	Markey muck, ponded, 0 to 1 percent slopes	HEL	4		134	0.5	150	0.11
I43A	Mavie fine sandy loam, 0 to 1 percent slopes	NHEL	3	0.2	86	1	150	0.15
I45A	Northwood muck, 0 to 1 percent slopes	NHEL	5		134	0.5	150	0.11
I48A	Radium loamy sand, 0 to 2 percent slopes	NHEL	5	0.2	134	1	150	0.15
I49A	Rauville silty clay loam, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.3	86	0.5	150	0.11
I50A	Reiner fine sandy loam, 0 to 2 percent slopes	NHEL	5	0.2	86	1	150	0.15
I52A	Reis-Clearwater complex, 0 to 1 percent slopes	NHEL	5	0.3	86	1	150	0.15
I53A	Roliss loam, 0 to 2 percent slopes	NHEL	5	0.3	48	1	150	0.15
I54A	Roliss loam, very poorly drained, 0 to 1 percent slopes	NHEL	5	0.3	48	0.5	150	0.11
I55A	Rosewood fine sandy loam, Aspen Parkland, 0 to 1 percent slopes	NHEL	3	0.2	86	1	150	0.15
I56A	Rosewood-Venlo complex, 0 to 1 percent slopes	NHEL	3	0.2	86	1	150	0.15
I57B	Sandberg-Radium complex, 0 to 6 percent slopes	NHEL	5	0.2	134	3	150	0.32

I58A	Seelyeville muck, 0 to 1 percent slopes	NHEL	5		134	0.5	150	0.11
I59A	Smiley loam, 0 to 1 percent slopes	NHEL	5	0.2	56	1	150	0.15
I62A	Syrene sandy loam, 0 to 2 percent slopes	NHEL	3	0.2	86	1	150	0.15
I63A	Thiefriever fine sandy loam, clayey till substratum, 0 to 1 percent slopes	NHEL	3	0.2	86	1	150	0.15
I64A	Ulen fine sandy loam, Aspen Parkland, 0 to 2 percent slopes	NHEL	5	0.2	134	1	150	0.15
I65A	Ulen loamy fine sand, 0 to 2 percent slopes	NHEL	5	0.2	134	1	150	0.15
I66A	Vallers loam, 0 to 2 percent slopes	NHEL	5	0.3	86	1	150	0.15
I68A	Wheatville very fine sandy loam, clayey till substratum, 0 to 2 percent slopes	NHEL	4	0.3	86	1	150	0.15
I70A	Strathcona fine sandy loam, 0 to 1 percent slopes	NHEL	5	0.2	86	1	150	0.15
I75A	Radium-Sandberg-Garborg complex, 0 to 2 percent slopes	NHEL	5	0.2	134	1	150	0.15
I78B	Marquette loamy sand, 2 to 9 percent slopes	HEL	2	0.2	134	4	150	0.47
I78D	Marquette loamy sand, 9 to 30 percent slopes	HEL	2	0.2	134	14	100	2.2
I110A	Augsburg, Borup and Colvin soils, very poorly drained, 0 to 1 percent slopes	NHEL	4	0.3	86	0.5	150	0.11
I111A	Wheatville very fine sandy loam, 0 to 2 percent slopes	NHEL	4	0.3	86	1	150	0.15
I119A	Bearden silty clay loam, 0 to 2 percent slopes	NHEL	5	0.4	86	1	150	0.15
I123A	Bearden-Colvin silty clay loams, 0 to 2 percent slopes	NHEL	5	0.3	86	1	150	0.15
I124A	Colvin-Fargo complex, 0 to 1 percent slopes	NHEL	5	0.3	86	1	150	0.15

I130A	Hegne-Fargo silty clays, 0 to 1 percent slopes	NHEL	5	0.3	86	1	150	0.15
I150B	Zell, fine-silty-LaDelle silt loams, 2 to 6 percent slopes	NHEL	5	0.3	48	1	150	0.15
I171A	Rockwell fine sandy loam, 0 to 1 percent slopes	NHEL	5	0.2	86	1	150	0.15
I202E	Zell-Eckman silt loams, 15 to 25 percent slopes	NHEL	5	0.3	86	10	100	1.4
I229A	Fargo silty clay, 0 to 1 percent slopes	NHEL	5	0.3	86	1	150	0.15
I233A	Fargo silty clay loam, 0 to 1 percent slopes	NHEL	5	0.3	86	1	150	0.15
I235A	Fargo silty clay, depressional, 0 to 1 percent slopes	NHEL	5	0.3	86	0.5	150	0.11
I309A	Arveson loam, 0 to 1 percent slopes	NHEL	5	0.2	86	1	150	0.15
I348F	Serden fine sand, 6 to 35 percent slopes	HEL	5	0.2	250	14	60	1.8
I362D	Maddock loamy fine sand, 6 to 15 percent slopes	NHEL	5	0.2	134	8	100	0.99
I362E	Maddock loamy fine sand, 9 to 25 percent slopes	PHEL	5	0.2	134	16	60	2.2
I364A	Hecla-Garborg-Arveson complex, 0 to 2 percent slopes	NHEL	5	0.2	134	2	150	0.23
I376A	Colvin silty clay loam, 0 to 1 percent slopes	NHEL	5	0.3	86	1	150	0.15
I383A	Overly silty clay loam, 0 to 2 percent slopes	NHEL	5	0.3	38	1	150	0.15
I394A	Lamoure silt loam, 0 to 1 percent slopes, occasionally flooded	NHEL	5	0.3	86	1	150	0.15
I467A	Bearden silt loam, 0 to 2 percent slopes	NHEL	5	0.3	86	1	150	0.15
I475B	Sinai silty clay, levees, 0 to 6 percent slopes	NHEL	5	0.3	86	0.5	150	0.11

I507B	Glyndon loam, dry, 2 to 6 percent slopes	NHEL	5	0.3	86	3	150	0.32
I549A	Vallers-Hamerly loams, 0 to 3 percent slopes	NHEL	5	0.3	86	1	150	0.15
I594A	LaDelle silt loam, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.3	48	1	150	0.15
I624A	Lindaas silty clay loam, 0 to 1 percent slopes	NHEL	5	0.3	38	1	150	0.15
I627A	Bearden-Fargo complex, 0 to 2 percent slopes	NHEL	5	0.3	86	1	150	0.15
I633A	Augsburg and Wheatville soils, 0 to 2 percent slopes	NHEL	4	0.3	86	1	150	0.15
I646A	Viking clay loam, 0 to 1 percent slopes	NHEL	5	0.3	86	1	150	0.15
I651A	Reis, very-fine-Viking silty clays, 0 to 1 percent slopes	NHEL	5	0.3	86	1	150	0.15
I666A	Colvin-Perella silty clay loams, 0 to 1 percent slopes	NHEL	5	0.3	86	1	150	0.15
I668B	Arvilla sandy loam, 2 to 6 percent slopes	NHEL	3	0.2	86	2	150	0.23
I671B	Sioux gravelly sandy loam, 2 to 6 percent slopes	NHEL	3	0.2	86	2	150	0.23
I672A	Sioux sandy loam, 0 to 2 percent slopes	NHEL	3	0.2	86	2	150	0.23
I681C	Sandberg loamy sand, 6 to 15 percent slopes	NHEL	5	0.2	134	8	100	0.99
I681E	Sandberg loamy sand, 15 to 25 percent slopes	NHEL	5	0.2	134	16	60	2.2
I690A	Kittson loam, wet, 0 to 2 percent slopes	NHEL	5	0.3	48	0.5	150	0.11
I711A	Glyndon loam, thin surface, 0 to 2 percent slopes	NHEL	5	0.3	86	1	150	0.15
I730A	Gunclub silty clay loam, 0 to 2 percent slopes	NHEL	5	0.3	86	1	150	0.15

I731A	Nielsville silty clay loam, 0 to 1 percent slopes	NHEL	5	0.3	86	1	150	0.15
I732A	Nielsville-Perella silty clay loams, 0 to 1 percent slopes	NHEL	5	0.3	86	1	150	0.15
I748A	Bygland silty clay loam, 0 to 2 percent slopes	NHEL	5	0.3	38	1	150	0.15
I748B	Bygland silty clay loam, 2 to 6 percent slopes	NHEL	5	0.3	38	3	150	0.32
I748C	Bygland silty clay loam, 6 to 12 percent slopes, eroded	NHEL	5	0.3	38	8	100	0.99
I758B	Halverson loamy fine sand, 1 to 6 percent slopes	NHEL	5	0.2	134	3	150	0.32
I758D	Halverson loamy fine sand, 6 to 15 percent slopes	NHEL	5	0.2	134	9	100	1.2
I759A	Towner loamy fine sand, 0 to 3 percent slopes	NHEL	5	0.2	134	1	150	0.15
I762A	Vallers loam, lake plain, 0 to 1 percent slopes	NHEL	5	0.3	86	1	150	0.15
I774A	Northwood muck, marl subsoil, 0 to 1 percent slopes	NHEL	5		134	0.5	150	0.11
I788A	Rosewood, Strathcona, and Berner soils, 0 to 1 percent slopes	NHEL	3	0.2	86	2	150	0.23
I807A	Hedman loam, very poorly drained, 0 to 1 percent slopes	NHEL	5	0.2	86	0.5	150	0.11
I812A	Lizzie silt loam, 0 to 2 percent slopes	NHEL	5	0.3	56	2	150	0.23
I828A	Seelyeville muck, calcareous, 0 to 1 percent slopes	NHEL	5		134	1	150	0.15
I832A	Winterfield loamy fine sand, 1 to 3 percent slopes, occasionally flooded	NHEL	5	0.2	134	0.5	150	0.11
I853A	Roliss silt loam, 0 to 1 percent slopes	NHEL	5	0.3	48	0.5	150	0.11
I903A	Urban Land-Aquolls complex, 0 to 2 percent slopes	NHEL	5	0.3	86	1	150	0.15

I906F	Orthents-Aquents-Urban Land, highway complex, 0 to 35 percent slopes	NHEL	5	0.3	86	1	150	0.15
IGp	Pits, gravel and sand	NHEL	5	0	134	2	150	0.23
IM-W	Miscellaneous water							
IWa	Water							
W	Water							