

Highly Erodible Soil Map Unit List - Red Lake County, MN

C = .25

R = 80

This data is only to be used for HELC determinations. This is the "frozen data" based on 01/01/1990 information.

Values other than "HELHC" should only be used for PHEL.

musym	muname	HELC	T	K	I
I1A	Augsburg loam, 0 to 2 percent slopes	NHEL	4	0.3	86
I2A	Augsburg very fine sandy loam, 0 to 2 percent slopes	NHEL	4	0.2	86
I3A	Berner muck, 0 to 1 percent slopes	NHEL	5	0.0	134
B205A	Berner muck, depressional, mlra 88, 0 to 1 percent slopes	NHEL	5	0.0	134
I4A	Berner, Rosewood, and Strathcona soils, seepy, 0 to 2 percent slopes	NHEL	3	0.2	86
I5A	Borup loam, 0 to 2 percent slopes	NHEL	4	0.3	86
I6A	Borup very fine sandy loam, 0 to 2 percent slopes	NHEL	4	0.2	86
B109A	Bowstring and Fluvaquents soils, mlra 88, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.0	134
I7A	Bowstring-Fluvaquents complex, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.0	134
I8A	Cathro muck, 0 to 1 percent slopes	NHEL	5	0.0	134
B202A	Cathro muck, depressional, mlra 88, 0 to 1 percent slopes	NHEL	5	0.0	134
B201A	Chilgren fine sandy loam, 0 to 2 percent slopes	NHEL	5	0.3	56
I9A	Clearwater clay, 0 to 2 percent slopes	NHEL	5	0.3	86
I10A	Clearwater mucky clay loam, depressional, 0 to 1 percent slopes	NHEL	5	0.3	86
I11A	Deerwood muck, 0 to 1 percent slopes	HEL	3	0.0	134
I12A	Eckvoll loamy fine sand, 0 to 3 percent slopes	NHEL	5	0.2	134
I13A	Espelie fine sandy loam, 0 to 2 percent slopes	NHEL	4	0.2	86
I14B	Fairdale silt loam, 1 to 6 percent slopes, occasionally flooded	NHEL	5	0.2	56
I14D	Fairdale silt loam, 6 to 15 percent slopes, occasionally flooded	NHEL	5	0.2	56
I15A	Flaming loamy fine sand, 0 to 3 percent slopes	NHEL	5	0.2	134
I16F	Fluvaquents, frequently flooded-Hapludolls complex, 0 to 30 percent slopes	NHEL	5	0.2	56
I17A	Foldahl fine sandy loam, 0 to 3 percent slopes	NHEL	5	0.2	86
I18A	Foldahl loamy fine sand, 0 to 3 percent slopes	NHEL	5	0.2	86
I19A	Foxhome sandy loam, 0 to 3 percent slopes	NHEL	3	0.2	86
I20A	Foxlake loam, 0 to 2 percent slopes	NHEL	5	0.3	86
I21A	Fram loam, 1 to 3 percent slopes	NHEL	5	0.3	86
B200A	Garnes fine sandy loam, 0 to 3 percent slopes	NHEL	5	0.3	48
I22A	Glyndon loam, 0 to 2 percent slopes	NHEL	5	0.3	86
I23A	Glyndon very fine sandy loam, 0 to 2 percent slopes	NHEL	5	0.2	86
I24A	Grimstad fine sandy loam, 0 to 3 percent slopes	NHEL	5	0.2	86
I25A	Hamar loamy fine sand, 0 to 2 percent slopes	NHEL	5	0.2	134
I26A	Hamerly loam, 0 to 2 percent slopes	NHEL	5	0.3	86
I27A	Hamre muck, 0 to 1 percent slopes	NHEL	5	0.0	134
B206A	Hamre muck, depressional, mlra 88, 0 to 1 percent slopes	NHEL	5	0.0	134
I28A	Hangaard sandy loam, 0 to 2 percent slopes	HEL	2	0.2	86

I29A	Hattie clay, 0 to 3 percent slopes	NHEL	5	0.3	86
I29D	Hattie clay, 6 to 18 percent slopes	PHEL	5	0.3	86
I30A	Hedman loam, 0 to 2 percent slopes	NHEL	5	0.3	86
I31A	Hedman-Fram complex, 0 to 3 percent slopes	NHEL	5	0.3	86
I32A	Hilaire fine sandy loam, 0 to 3 percent slopes	NHEL	4	0.2	86
I33A	Hilaire loamy fine sand, 0 to 3 percent slopes	NHEL	4	0.2	86
I34A	Huot fine sandy loam, 0 to 3 percent slopes	NHEL	4	0.2	86
I35A	Karlsruhe sandy loam, 0 to 3 percent slopes	NHEL	3	0.2	86
I36A	Kittson loam, 0 to 3 percent slopes	NHEL	5	0.3	86
I690A	Kittson loam, wet, 0 to 3 percent slopes	NHEL	5	0.2	86
I37A	Kratka and Strathcona soils, depressionnal, 0 to 1 percent slopes.	NHEL	5	0.2	86
I38A	Kratka fine sandy loam, 0 to 2 percent slopes	NHEL	5	0.2	86
I39A	Linveldt fine sandy loam, 0 to 3 percent slopes	NHEL	5	0.3	86
I40B	Maddock loamy fine sand, 1 to 6 percent slopes	NHEL	5	0.2	134
I40F	Maddock loamy fine sand, 12 to 30 percent slopes	PHEL	5	0.2	134
I41A	Markey muck, 0 to 1 percent slopes	HEL	4	0.0	134
I42A	Markey muck, ponded, 0 to 1 percent slopes	NHEL	4	0.0	134
I43A	Mavie fine sandy loam, 0 to 2 percent slopes	NHEL	3	0.2	86
IM-W	Miscellaneous water	NHEL			
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I44A	Newfolden loam, 0 to 3 percent slopes	NHEL	5	0.3	86
I45A	Northwood muck, 0 to 1 percent slopes	NHEL	5	0.0	134
B203A	Northwood muck, depressionnal, mlra 88, 0 to 1 percent slopes	NHEL	5	0.0	134
I906F	Orthents-Aquents-Urban Land, highway complex, 0 to 35 percent slopes	NHEL	5	0.24	86
I46A	Pits, gravel and sand	NHEL			
IGp	Pits, gravel and sand	NHEL	5	0.0	134
I47A	Poppleton fine sand, 0 to 2 percent slopes	HEL	5	0.2	250
I48A	Radium loamy sand, 0 to 3 percent slopes	NHEL	5	0.2	134
I49A	Rauville silty clay loam, 0 to 2 percent slopes	NHEL	4	0.3	86
I50A	Reiner fine sandy loam, 0 to 3 percent slopes	NHEL	5	0.2	86
I51A	Reiner loamy fine sand, 0 to 3 percent slopes	NHEL	5	0.2	134
I52A	Reis-Clearwater complex, 0 to 2 percent slopes	NHEL	5	0.3	86
I53A	Roliss loam, 0 to 2 percent slopes	NHEL	5	0.3	86
I54A	Roliss loam, depressionnal, 0 to 1 percent slopes	NHEL	5	0.3	86
B204A	Roliss loam, mlra 88, 0 to 2 percent slopes	NHEL	5	0.3	86
I55A	Rosewood fine sandy loam, 0 to 2 percent slopes	NHEL	3	0.2	86
I56A	Rosewood-Venlo complex, 0 to 1 percent slopes	NHEL	3	0.2	86
I57B	Sandberg-Radium complex, 1 to 6 percent slopes	NHEL	5	0.2	134
I58A	Seelyeville muck, 0 to 1 percent slopes.	NHEL	5	0.0	134
I59A	Smiley loam, 0 to 2 percent slopes	NHEL	5	0.2	56
I60A	Smiley mucky loam, depressionnal, 0 to 1 percent slopes	NHEL	5	0.2	56
I61A	Strandquist loam, 0 to 2 percent slopes	NHEL	3	0.2	86
I70A	Strathcona fine sandy loam, 0 to 2 percent slopes	NHEL	5	0.2	86

I62A	Syrene sandy loam, 0 to 2 percent slopes	NHEL	3	0.2	86
I63A	Thiefriever fine sandy loam, 0 to 2 percent slopes	NHEL	3	0.2	86
I64A	Ulen fine sandy loam, 0 to 3 percent slopes	NHEL	5	0.2	86
I65A	Ulen loamy fine sand, 0 to 3 percent slopes	NHEL	5	0.2	86
I66A	Vallers loam, 0 to 2 percent slopes	NHEL	5	0.3	86
IWa	Water	NHEL			
W	Water	NHEL			
I67A	Wheatville loam, 0 to 3 percent slopes	NHEL	4	0.3	86
I68A	Wheatville very fine sandy loam, 0 to 3 percent slopes	NHEL	4	0.2	86
I69A	Wyandotte clay loam, 0 to 2 percent slopes	NHEL	4	0.2	86