

Highly Erodible Soil Map Unit List - Red Lake 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 "HEL" should only be used for PHEL.

Mapunit Symbol	Mapunit Name	HEL	T	K	I	Slope Percent	Slope Length	LS
B109A	Bowstring and Fluvaquents soils, mlra 88, 0 to 2 percent slopes, frequently flooded	NHEL	5		134			
B200A	Garnes fine sandy loam, 0 to 3 percent slopes	NHEL	5	0.32	48			
B201A	Chilgren fine sandy loam, 0 to 2 percent slopes	NHEL	5	0.28	56			
B202A	Cathro muck, occasionally ponded, 0 to 1 percent slopes	NHEL	5		134			
B203A	Northwood muck, depressional, mlra 88, 0 to 1 percent slopes	NHEL	5		134			
B204A	Roliss loam, mlra 88, 0 to 2 percent slopes	NHEL	5	0.28	86			
B205A	Berner muck, depressional, mlra 88, 0 to 1 percent slopes	NHEL	5		134			
B206A	Hamre muck, depressional, mlra 88, 0 to 1 percent slopes	NHEL	5		134			
I1A	Augsburg loam, 0 to 1 percent slopes	NHEL	4	0.28	86			
I2A	Augsburg very fine sandy loam, clayey till substratum, 0 to 1 percent slopes	NHEL	4	0.2	86			
I3A	Berner muck, 0 to 1 percent slopes	NHEL	5		134			
I4A	Berner, Rosewood, and Strathcona soils, seepy, 0 to 2 percent slopes	NHEL	3	0.24	86			
I5A	Borup loam, 0 to 1 percent slopes	NHEL	4	0.28	86			

I16A	Borup very fine sandy loam, 0 to 1 percent slopes	NHEL	4	0.2	86			
I17A	Bowstring-Fluvaquents complex, 0 to 2 percent slopes, frequently flooded	NHEL	5		134			
I18A	Cathro muck, 0 to 1 percent slopes	NHEL	5		134			
I19A	Clearwater clay, 0 to 1 percent slopes	NHEL	5	0.28	86			
I10A	Clearwater mucky clay loam, 0 to 1 percent slopes	NHEL	5	0.28	86			
I11A	Deerwood muck, 0 to 1 percent slopes	HEL	3		134			
I12A	Eckvoll loamy fine sand, 0 to 2 percent slopes	NHEL	5	0.17	134			
I13A	Espelie fine sandy loam, clayey till substratum, 0 to 1 percent slopes	NHEL	4	0.2	86			
I14B	Fairdale silt loam, 1 to 6 percent slopes, occasionally flooded	NHEL	5	0.24	56			
I14D	Fairdale silt loam, 6 to 15 percent slopes, occasionally flooded	NHEL	5	0.24	56			
I15A	Hecla loamy fine sand, 0 to 2 percent slopes	NHEL	5	0.17	134			
I16F	Fluvaquents,frequently flooded-Hapludolls complex, 0 to 30 percent slopes	NHEL	5	0.24	56			
I17A	Foldahl fine sandy loam, loamy till substratum, 0 to 3 percent slopes	NHEL	5	0.2	86			
I18A	Foldahl loamy fine sand, loamy till substratum, 0 to 3 percent slopes	NHEL	5	0.17	86			
I19A	Foxhome sandy loam, 0 to 2 percent slopes	NHEL	3	0.2	86			
I20A	Foxlake loam, 0 to 1 percent slopes	NHEL	5	0.28	86			
I21A	Fram loam, 1 to 3 percent slopes	NHEL	5	0.28	86			

I22A	Glyndon loam, Aspen Parkland, 0 to 2 percent slopes	NHEL	5	0.28	86			
I23A	Glyndon very fine sandy loam, 0 to 2 percent slopes	NHEL	5	0.2	86			
I24A	Grimstad fine sandy loam, 0 to 2 percent slopes, aspen parkland	NHEL	5	0.2	86			
I25A	Hamar loamy fine sand, Aspen Parkland, 0 to 1 percent slopes	NHEL	5	0.17	134			
I26A	Hamerly loam, 0 to 2 percent slopes	NHEL	5	0.28	86			
I27A	Hamre muck, 0 to 1 percent slopes	NHEL	5		134			
I28A	Hangaard sandy loam, 0 to 2 percent slopes	HEL	2	0.2	86			
I29A	Hattie clay, Aspen Parkland, 0 to 2 percent slopes	NHEL	5	0.28	86			
I29D	Hattie clay, 6 to 15 percent slopes	PHEL	5	0.28	86			
I30A	Hedman loam, 0 to 2 percent slopes	NHEL	5	0.28	86			
I31A	Hedman-Fram complex, 0 to 3 percent slopes	NHEL	5	0.28	86			
I32A	Hilaire fine sandy loam, clayey till substratum, 0 to 2 percent slopes	NHEL	4	0.2	86			
I33A	Hilaire loamy fine sand, 0 to 2 percent slopes	NHEL	4	0.17	86			
I34A	Huot fine sandy loam, clayey till substratum, 0 to 2 percent slopes	NHEL	4	0.2	86			
I35A	Karlsruhe sandy loam, 0 to 2 percent slopes	NHEL	3	0.24	86			
I37A	Kratka and Strathcona soils, 0 to 1 percent slopes	NHEL	5	0.17	86			
I38A	Kratka fine sandy loam, loamy till substratum, 0 to 1 percent slopes	NHEL	5	0.2	86			

I39A	Linveldt fine sandy loam, 0 to 2 percent slopes	NHEL	5	0.28	86			
I40B	Maddock loamy fine sand, 2 to 6 percent slopes	NHEL	5	0.17	134			
I41A	Markey muck, 0 to 1 percent slopes	HEL	4		134			
I42A	Markey muck, ponded, 0 to 1 percent slopes	NHEL	4					
I43A	Mavie fine sandy loam, 0 to 1 percent slopes	NHEL	3	0.24	86			
I44A	Newfolden loam, 0 to 2 percent slopes	NHEL	5	0.28	86			
I45A	Northwood muck, 0 to 1 percent slopes	NHEL	5		134			
I47A	Poppleton fine sand, 0 to 2 percent slopes	HEL	5	0.15	250			
I48A	Radium loamy sand, 0 to 2 percent slopes	NHEL	5	0.17	134			
I49A	Rauville silty clay loam, 0 to 2 percent slopes, frequently flooded	NHEL	4	0.28	86			
I50A	Reiner fine sandy loam, 0 to 2 percent slopes	NHEL	5	0.2	86			
I51A	Reiner loamy fine sand, 0 to 3 percent slopes	NHEL	5	0.17	134			
I52A	Reis-Clearwater complex, 0 to 1 percent slopes	NHEL	5	0.28	86			
I53A	Roliss loam, 0 to 2 percent slopes	NHEL	5	0.28	86			
I54A	Roliss loam, very poorly drained, 0 to 1 percent slopes	NHEL	5	0.28	86			
I55A	Rosewood fine sandy loam, Aspen Parkland, 0 to 1 percent slopes	NHEL	3	0.24	86			
I56A	Rosewood-Venlo complex, 0 to 1 percent slopes	NHEL	3	0.24	86			

I57B	Sandberg-Radium complex, 0 to 6 percent slopes	NHEL	5	0.17	134			
I58A	Seelyeville muck, 0 to 1 percent slopes	NHEL	5		134			
I59A	Smiley loam, 0 to 1 percent slopes	NHEL	5	0.24	56			
I60A	Smiley mucky loam, 0 to 1 percent slopes	NHEL	5	0.24	56			
I61A	Strandquist loam, 0 to 1 percent slopes	NHEL	3	0.2	86			
I62A	Syrene sandy loam, 0 to 2 percent slopes	NHEL	3	0.24	86			
I63A	Thief river fine sandy loam, clayey till substratum, 0 to 1 percent slopes	NHEL	3	0.24	86			
I64A	Ulen fine sandy loam, Aspen Parkland, 0 to 2 percent slopes	NHEL	5	0.2	86			
I65A	Ulen loamy fine sand, 0 to 2 percent slopes	NHEL	5	0.17	86			
I66A	Vallers loam, 0 to 2 percent slopes	NHEL	5	0.28	86			
I67A	Wheatville loam, clayey till substratum, 0 to 2 percent slopes	NHEL	4	0.28	86			
I68A	Wheatville very fine sandy loam, clayey till substratum, 0 to 2 percent slopes	NHEL	4	0.2	86			
I69A	Wyandotte clay loam, 0 to 1 percent slopes	NHEL	4	0.2	86			
I70A	Strathcona fine sandy loam, 0 to 1 percent slopes	NHEL	5	0.2	86			
I362E	Maddock loamy fine sand, 9 to 25 percent slopes	PHEL	5	0.17	134			
I690A	Kittson loam, wet, 0 to 2 percent slopes	NHEL	5	0.28	86			
I906F	Orthents-Aquents-Urban Land, highway complex, 0 to 35 percent slopes	NHEL	5		134			

IGp	Pits, gravel and sand	NHEL						
IM-W	Miscellaneous water							
IWa	Water							
W	Water							