

Highly Erodible Soil Map Unit List - Kittson County, MN

C= 0.30

R= 70

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
I15A	Hecla loamy fine sand, 0 to 2 percent slopes	NHEL	5		134			
I16F	Fluvaquents,frequently flooded-Hapludolls complex, 0 to 30 percent slopes	NHEL	5	0.32	86			
I32A	Hilaire fine sandy loam, clayey till substratum, 0 to 2 percent slopes	NHEL	5	0.2	86			
I34A	Huot fine sandy loam, clayey till substratum, 0 to 2 percent slopes	NHEL	5	0.2	86			
I40B	Maddock loamy fine sand, 1 to 6 percent slopes	HEL	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					
I47A	Poppleton fine sand, 0 to 2 percent slopes	HEL	5	0.15	134			
I48A	Radium loamy sand, 0 to 2 percent slopes	HEL	2	0.2	86			
I57B	Sandberg-Radium complex, 0 to 6 percent slopes	HEL	2	0.2	86			
I75A	Radium-Sandberg-Garborg complex, 0 to 2 percent slopes	HEL	2	0.2	86			
I76A	Karlstad loamy sand, 0 to 2 percent slopes	HEL	3	0.17	134			
I77A	Deerwood muck, dense till, 0 to 1 percent slopes	HEL	3		134			

I78B	Marquette loamy sand, 2 to 9 percent slopes	HEL	2	0.17	134			
I79A	Berner, Cathro and Haug soils, ponded, 0 to 1 percent slopes	HEL	5		134			
I80B	Karlstad-Marquette loamy sands, 0 to 8 percent slopes	HEL	2	0.17	134			
I81A	Northwood muck, dense till, 0 to 1 percent slopes	HEL	3		134			
I82A	Cathro muck, dense till, 0 to 1 percent slopes	HEL	5		134			
I83A	Wildwood muck, dense till, 0 to 1 percent slopes	HEL	3		134			
I84A	Percy loam, 0 to 1 percent slopes, very cobbly	NHEL	5	0.28				
I85A	Percy loam, 0 to 1 percent slopes, bouldery	NHEL	5	0.28				
I86A	Percy mucky loam, 0 to 1 percent slopes	NHEL	5	0.28	56			
I87A	Pelan sandy loam, dense till, 0 to 2 percent slopes	HEL	3	0.17	134			
I88A	Haug muck, 0 to 1 percent slopes	HEL	5		134			
I89A	Nereson fine sandy loam, 0 to 2 percent slopes, very cobbly	NHEL	5	0.2	86			
I90A	Redby loamy fine sand, dense till, 0 to 3 percent slopes	HEL	5	0.17	134			
I91A	Rosewood fine sandy loam, dense till, 0 to 1 percent slopes	NHEL	5	0.2	86			
I92A	Grano clay, 0 to 1 percent slopes	NHEL	5	0.32	86			
I93A	Viking clay loam, dense till, 0 to 1 percent slopes	NHEL	5	0.28	86			
I94A	Strathcona fine sandy loam, dense till, 0 to 1 percent slopes	NHEL	5	0.2	86			

I95A	Kratka and Strathcona soils, dense till, 0 to 1 percent slopes	NHEL	5	0.2	86			
I96D	Serden-Aylmer-Bantry complex, 0 to 9 percent slopes	HEL	5	0.17	134			
I97A	Cormant loamy fine sand, dense till, 0 to 2 percent slopes	HEL	5	0.17	134			
I98A	Ulen fine sandy loam, dense till, 0 to 2 percent slopes	NHEL	5	0.2	86			
I99A	Berner muck, dense till, 0 to 1 percent slopes	HEL	5		134			
I100A	Cormant and Rosewood soils, very poorly drained, 0 to 1 percent slopes	HEL	5	0.17	134			
I101A	Foxhome sandy loam, dense till, 0 to 2 percent slopes	HEL	3	0.2	86			
I102A	Mavie fine sandy loam, dense till, 0 to 1 percent slopes	HEL	3	0.24	86			
I103A	Kratka fine sandy loam, dense till, 0 to 1 percent slopes	NHEL	5	0.2	86			
I104A	Strandquist loam, dense till, 0 to 1 percent slopes	HEL	3	0.2	86			
I105A	Hangaard sandy loam, dense till, 0 to 2 percent slopes	HEL	2	0.2	86			
I106A	Enstrom loamy fine sand, dense till, 0 to 3 percent slopes	HEL	5	0.17	134			
I107A	Syrene mucky sandy loam, 0 to 1 percent slopes	HEL	3	0.2	86			
I108A	Syrene sandy loam, dense till, 0 to 2 percent slopes	HEL	3	0.2	86			
I109A	Fluvaquents, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.32	86			
I110A	Augsburg, Borup and Colvin soils, very poorly drained, 0 to 1 percent slopes	NHEL	4	0.28	86			
I111A	Wheatville very fine sandy loam, 0 to 2 percent slopes	NHEL	4	0.28	86			

I112A	Augsburg very fine sandy loam, 0 to 1 percent slopes	NHEL	4	0.28	86			
I113A	Grimstad fine sandy loam, dense till, 0 to 2 percent slopes	NHEL	5	0.2	86			
I114A	Foldahl fine sandy loam, dense till, 0 to 2 percent slopes	NHEL	5	0.2	86			
I115A	Garnes fine sandy loam, dense till, 0 to 2 percent slopes, very stony	NHEL	5	0.32				
I116A	Grygla loamy fine sand, dense till, 0 to 1 percent slopes	HEL	5	0.15	134			
I117A	Skagen loam, dense till, 0 to 2 percent slopes, very cobbly	NHEL	5	0.28	56			
I118A	Poppleton fine sand, dense till, 0 to 2 percent slopes	HEL	5	0.15	134			
I119A	Bearden silty clay loam, 0 to 2 percent slopes	NHEL	5	0.28	86			
I120A	Northcote clay, depressional, 0 to 1 percent slopes	NHEL	5	0.28	86			
I121A	Glyndon-Ulen complex, 0 to 2 percent slopes	NHEL	5	0.28	86			
I122A	Borup-Rosewood complex, 0 to 1 percent slopes	NHEL	4	0.28	86			
I123A	Bearden-Colvin silty clay loams, 0 to 2 percent slopes	NHEL	5	0.28	86			
I124A	Colvin-Fargo complex, 0 to 1 percent slopes	NHEL	5	0.32	86			
I125A	Skagen loam, dense till, 0 to 2 percent slopes	NHEL	5	0.28	56			
I126A	Nereson fine sandy loam, 0 to 2 percent slopes	NHEL	5	0.2	86			
I127A	Percy loam, 0 to 1 percent slopes	NHEL	5	0.28	56			
I128A	Noyes sandy clay loam, 0 to 2 percent slopes	NHEL	3	0.28	56			

I129A	Croke very fine sandy loam, 0 to 2 percent slopes	NHEL	4	0.24	86			
I130A	Hegne-Fargo silty clays, 0 to 1 percent slopes	NHEL	5	0.32	86			
I131B	Bearden-Lamoure, frequently flooded silty clay loams, 0 to 6 percent slopes	NHEL	5	0.28	86			
I132A	Northcote-Eaglepoint clays, 0 to 1 percent slopes	NHEL	5	0.28	86			
I133A	Northcote clay, 0 to 1 percent slopes	NHEL	5	0.28	86			
I134A	Hegne-Fargo silty clays, silty substratum, 0 to 1 percent slopes	NHEL	5	0.32	86			
I135B	Wahpeton-Ludden silty clays, 0 to 6 percent slopes, flooded	NHEL	5	0.28	86			
I136F	Cashel-Lallie-Wahpeton silty clays, 0 to 15 percent slopes, flooded	NHEL	5	0.32	86			
I137B	Sinai-Ludden, flooded, clays, very-fine family, 0 to 6 percent slopes	NHEL	5	0.28	86			
I140A	Northcote clay, slightly saline, 0 to 1 percent slopes	NHEL	5	0.28	86			
I145A	Northcote-Eaglepoint clays, slightly saline, 0 to 1 percent slopes	NHEL	5	0.28	86			
I235A	Fargo silty clay, depressional, 0 to 1 percent slopes	NHEL	5	0.32	86			
I248A	Wahpeton silty clay, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	86			
I248B	Wahpeton silty clay, 2 to 6 percent slopes, occasionally flooded	NHEL	5	0.28	86			
I293B	Cashel silty clay, 0 to 6 percent slopes, occasionally flooded	NHEL	5	0.32	86			
I376A	Colvin silty clay loam, 0 to 1 percent slopes	NHEL	5	0.32	86			
I704A	Glyndon very fine sandy loam, Aspen Parkland, 0 to 2 percent slopes	NHEL	5	0.3	86			

I744A	Grano loam, 0 to 1 percent slopes	NHEL	5	0.32	86			
I745A	Espelie fine sandy loam, 0 to 2 percent slopes	NHEL	5	0.2	86			
I765A	Huot fine sandy loam, 0 to 3 percent slopes	NHEL	5	0.2	86			
I773A	Hapludolls-Fluvaquents, occasionally flooded complex, 0 to 6 percent slopes	PHEL	5	0.24	56			
I811A	Linveldt fine sandy loam, dense till, 0 to 2 percent slopes	NHEL	5		134			
I850A	Thiefriver fine sandy loam, 0 to 1 percent slopes	NHEL	5	0.2	86			
I904F	Dumps, Sanitary Landfill-Udorthents complex, 0 to 60 percent slopes	HEL						
IGp	Pits, gravel and sand	NHEL						
IM-W	Miscellaneous water	NHEL						
IWa	Water	NHEL						