

Highly Erodible Soil Map Unit List - West Marshall 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
58	Kittson loam	NHEL	5		56			
59	Grimstad fine sandy loam	NHEL	5		86			
65	Foxhome sandy loam	NHEL	3		86			
66	Flaming loamy fine sand	NHEL	5		134			
77	Garnes fine sandy loam	NHEL	5		48			
111	Hangaard sandy loam	HEL	2		86			
116	Redby loamy fine sand, 0 to 3 percent slopes	NHEL	5		134			
117	Cormant loamy fine sand, 0 to 2 percent slopes	NHEL	5		134			
145	Enstrom loamy fine sand	NHEL	5		134			
148	Poppleton fine sand	NHEL	5		134			
184A	Hamerly loam, 0 to 3 percent slopes	NHEL	5		86			
187	Haug muck	NHEL	5		134			
205	Karlstad loamy sand, 0 to 3 percent slopes	HEL	3		134			

242B	Marquette loamy sand, 1 to 6 percent slopes	HEL	2		134			
280	Pelan sandy loam	HEL	3		86			
372	Hamar loamy fine sand	NHEL	5		134			
383	Percy loam	NHEL	5		86			
384	Percy mucky loam, depressional	NHEL	5		134			
387	Roliss loam, depressional	NHEL	5		48			
412	Mavie fine sandy loam	NHEL	3		86			
426	Foldahl loamy fine sand	NHEL	5		134			
432	Strandquist loam	NHEL	3		86			
439	Strathcona fine sandy loam	NHEL	5		86			
481	Kratka fine sandy loam	NHEL	5		86			
482	Grygla loamy fine sand	NHEL	5		134			
514	Tacoosh muck	NHEL	5		56			
540	Seelyeville-Seelyeville, ponded, complex, 0 to 1 percent slopes	NHEL	5		134			
541	Rifle-Rifle, ponded, complex, 0 to 1 percent slopes	NHEL	5		56			
543	Markey muck, occasionally ponded, 0 to 1 percent slopes	HEL	4		134			
544	Cathro muck, occasionally ponded, 0 to 1 percent slopes	NHEL	5		134			

547	Deerwood muck	HEL	3		134			
563	Northwood muck	NHEL	5		134			
565	Eckvoll loamy fine sand	NHEL	5		134			
582	Roliss loam	NHEL	5		48			
649	Reiner loamy fine sand	NHEL	5		134			
650	Reiner fine sandy loam	NHEL	5		86			
653	Smiley mucky loam, depressional	NHEL	5		56			
712	Rosewood fine sandy loam	NHEL	3		86			
713	Linveldt fine sandy loam	NHEL	5		134			
765	Smiley loam	NHEL	5		56			
794	Clearriver loamy fine sand	NHEL	5		134			
1030	Pits, gravel-Udipsamments complex	NHEL	5		134			
1143	Berner-Markey complex	HEL	4		134			
1144	Strathcona and Kratka soils, depressional	NHEL	5		86			
1146	Northwood muck, ponded	NHEL	5					
1191	Epoufette sandy loam, 0 to 2 percent slopes	NHEL	5		86			
1264	Ulen loamy fine sand	NHEL	5		134			

1804	Hamre muck, ponded	NHEL	5					
1807	Cathro muck, ponded	NHEL	5					
1808	Markey muck, ponded	NHEL	4					
1874	Radium loamy sand	NHEL	5		134			
1878	Hamre muck	NHEL	5		134			
1882	Rosewood, Strathcona, and Berner soils, seepy	NHEL	3		86			
1966	Rosewood-Hamar complex	NHEL	3		86			
I6A	Borup very fine sandy loam, 0 to 1 percent slopes	NHEL	4		86			
I8A	Cathro muck, 0 to 1 percent slopes	NHEL	5		134			
I9A	Clearwater clay, 0 to 2 percent slopes	NHEL	5		86			
I10A	Clearwater mucky clay loam, 0 to 1 percent slopes	NHEL	5		134			
I11A	Deerwood muck, 0 to 1 percent slopes	HEL	3		134			
I12A	Eckvoll loamy fine sand, 0 to 2 percent slopes	NHEL	5		134			
I13A	Espelie fine sandy loam, clayey till substratum, 0 to 1 percent slopes	NHEL	4		86			
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		86			
I17A	Foldahl fine sandy loam, loamy till substratum, 0 to 3 percent slopes	NHEL	5		134			

I18A	Foldahl loamy fine sand, loamy till substratum, 0 to 3 percent slopes	NHEL	5		134			
I19A	Foxhome sandy loam, 0 to 2 percent slopes	NHEL	3		86			
I20A	Foxlake loam, 0 to 1 percent slopes	NHEL	5		56			
I23A	Glyndon very fine sandy loam, 0 to 2 percent slopes	NHEL	5		86			
I24A	Grimstad fine sandy loam, 0 to 3 percent slopes	NHEL	5		86			
I25A	Hamar loamy fine sand, Aspen Parkland, 0 to 1 percent slopes	NHEL	5		134			
I26A	Hamerly loam, 0 to 2 percent slopes	NHEL	5		86			
I27A	Hamre muck, 0 to 1 percent slopes	NHEL	5		134			
I28A	Hangaard sandy loam, 0 to 2 percent slopes	HEL	2		86			
I33A	Hilaire loamy fine sand, 0 to 2 percent slopes	HEL	4		134			
I34A	Huot fine sandy loam, clayey till substratum, 0 to 2 percent slopes	NHEL	4		86			
I37A	Kratka and Strathcona soils, 0 to 1 percent slopes	NHEL	5		86			
I38A	Kratka fine sandy loam, loamy till substratum, 0 to 1 percent slopes	NHEL	5		86			
I39A	Linveldt fine sandy loam, 0 to 2 percent slopes	NHEL	5		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		86			

I44A	Newfolden loam, 0 to 2 percent slopes	NHEL	5		56			
I45A	Northwood muck, 0 to 1 percent slopes	NHEL	5		134			
I47A	Poppleton fine sand, 0 to 2 percent slopes	NHEL	5		134			
I48A	Radium loamy sand, 0 to 2 percent slopes	NHEL	5		134			
I50A	Reiner fine sandy loam, 0 to 2 percent slopes	NHEL	5		86			
I51A	Reiner loamy fine sand, 0 to 3 percent slopes	NHEL	5		134			
I52A	Reis-Clearwater complex, 0 to 1 percent slopes	NHEL	5		86			
I53A	Roliss loam, 0 to 2 percent slopes	NHEL	5		48			
I54A	Roliss loam, very poorly drained, 0 to 1 percent slopes	NHEL	5		48			
I55A	Rosewood fine sandy loam, Aspen Parkland, 0 to 1 percent slopes	NHEL	3		86			
I57B	Sandberg-Radium complex, 0 to 6 percent slopes	NHEL	5		134			
I58A	Seelyeville muck, 0 to 1 percent slopes	NHEL	5		134			
I59A	Smiley loam, 0 to 1 percent slopes	NHEL	5		56			
I60A	Smiley mucky loam, 0 to 1 percent slopes	NHEL	5		56			
I61A	Strandquist loam, 0 to 1 percent slopes	NHEL	3		86			
I62A	Syrene sandy loam, 0 to 2 percent slopes	NHEL	3		86			
I63A	Thief river fine sandy loam, clayey till substratum, 0 to 1 percent slopes	NHEL	3		86			

I64A	Ulen fine sandy loam, Aspen Parkland, 0 to 2 percent slopes	NHEL	5		134			
I65A	Ulen loamy fine sand, 0 to 2 percent slopes	NHEL	5		134			
I66A	Vallers loam, 0 to 2 percent slopes	NHEL	5		86			
I69A	Wyandotte clay loam, 0 to 1 percent slopes	NHEL	3		86			
I70A	Strathcona fine sandy loam, 0 to 1 percent slopes	NHEL	5		86			
I71A	Berner and Cathro soils, ponded, 0 to 1 percent slopes	NHEL	5					
I72A	Pelan sandy loam, 0 to 2 percent slopes	HEL	3		86			
I73A	Boash clay loam, 0 to 2 percent slopes	NHEL	5		86			
I75A	Radium-Sandberg-Garborg complex, 0 to 2 percent slopes	NHEL	5		134			
I76A	Karlstad loamy sand, 0 to 2 percent slopes	HEL	3		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		134			
I79A	Berner, Cathro and Haug soils, ponded, 0 to 1 percent slopes	NHEL	5					
I81A	Northwood muck, dense till, 0 to 1 percent slopes	NHEL	5		134			
I82A	Cathro muck, dense till, 0 to 1 percent slopes	NHEL	5					
I84A	Percy loam, 0 to 1 percent slopes, very cobbly	NHEL	5					
I86A	Percy mucky loam, 0 to 1 percent slopes	NHEL	5		134			

I87A	Pelan sandy loam, dense till, 0 to 2 percent slopes	HEL	3		86			
I88A	Haug muck, 0 to 1 percent slopes	NHEL	5		134			
I89A	Nereson fine sandy loam, 0 to 2 percent slopes, very cobbly	NHEL	5		86			
I90A	Redby loamy fine sand, dense till, 0 to 3 percent slopes	NHEL	5		134			
I91A	Rosewood fine sandy loam, dense till, 0 to 1 percent slopes	NHEL	3		86			
I94A	Strathcona fine sandy loam, dense till, 0 to 1 percent slopes	NHEL	5		86			
I95A	Kratka and Strathcona soils, dense till, 0 to 1 percent slopes	NHEL	5		86			
I97A	Cormant loamy fine sand, dense till, 0 to 2 percent slopes	NHEL	5		134			
I98A	Ulen fine sandy loam, dense till, 0 to 2 percent slopes	NHEL	5		134			
I99A	Berner muck, dense till, 0 to 1 percent slopes	HEL	4		134			
I101A	Foxhome sandy loam, dense till, 0 to 2 percent slopes	NHEL	3		86			
I102A	Mavie fine sandy loam, dense till, 0 to 1 percent slopes	NHEL	3		86			
I103A	Kratka fine sandy loam, dense till, 0 to 1 percent slopes	NHEL	5		86			
I104A	Strandquist loam, dense till, 0 to 1 percent slopes	NHEL	3		86			
I105A	Hangaard sandy loam, dense till, 0 to 2 percent slopes	HEL	2		86			
I106A	Enstrom loamy fine sand, dense till, 0 to 2 percent slopes	NHEL	5		134			
I108A	Syrene sandy loam, dense till, 0 to 2 percent slopes	NHEL	3		86			

I109A	Fluvaquents, 0 to 2 percent slopes, frequently flooded	NHEL	5		86			
I110A	Augsburg, Borup and Colvin soils, very poorly drained, 0 to 1 percent slopes	NHEL	4		86			
I111A	Wheatville very fine sandy loam, 0 to 2 percent slopes	NHEL	4		86			
I112A	Augsburg very fine sandy loam, 0 to 1 percent slopes	NHEL	4		86			
I113A	Grimstad fine sandy loam, dense till, 0 to 2 percent slopes	NHEL	5		86			
I114A	Foldahl fine sandy loam, dense till, 0 to 2 percent slopes	NHEL	5		134			
I116A	Grygla loamy fine sand, dense till, 0 to 1 percent slopes	NHEL	5		134			
I117A	Skagen loam, dense till, 0 to 2 percent slopes, very cobbly	NHEL	5		86			
I118A	Poppleton fine sand, dense till, 0 to 2 percent slopes	NHEL	5		134			
I119A	Bearden silty clay loam, 0 to 2 percent slopes	NHEL	5		86			
I121A	Glyndon-Ulen complex, 0 to 2 percent slopes	NHEL	5		86			
I123A	Bearden-Colvin silty clay loams, 0 to 2 percent slopes	NHEL	5		86			
I124A	Colvin-Fargo complex, 0 to 1 percent slopes	NHEL	5		86			
I125A	Skagen loam, dense till, 0 to 2 percent slopes	NHEL	5		86			
I126A	Nereson fine sandy loam, 0 to 2 percent slopes	NHEL	5		86			
I127A	Percy loam, 0 to 1 percent slopes	NHEL	5		86			
I130A	Hegne-Fargo silty clays, 0 to 1 percent slopes	NHEL	5		86			

I132A	Northcote-Eaglepoint clays, 0 to 1 percent slopes	NHEL	5		86			
I133A	Northcote clay, 0 to 1 percent slopes	NHEL	5		86			
I135B	Wahpeton-Ludden silty clays, 0 to 6 percent slopes, flooded	NHEL	5		86			
I150B	Zell, fine-silty-LaDelle silt loams, 2 to 6 percent slopes	NHEL	5		86			
I171A	Rockwell fine sandy loam, 0 to 1 percent slopes	NHEL	5		86			
I229A	Fargo silty clay, 0 to 1 percent slopes	NHEL	5		86			
I248A	Wahpeton silty clay, 0 to 2 percent slopes, occasionally flooded	NHEL	5		86			
I248B	Wahpeton silty clay, 2 to 6 percent slopes, occasionally flooded	NHEL	5		86			
I260A	Rifle mucky peat, 0 to 1 percent slopes	NHEL	5		56			
I376A	Colvin silty clay loam, 0 to 1 percent slopes	NHEL	5		86			
I467A	Bearden silt loam, 0 to 2 percent slopes	NHEL	5		86			
I475B	Sinai silty clay, levees, 0 to 6 percent slopes	NHEL	5		86			
I478A	Lamoure silty clay loam, 0 to 1 percent slopes, occasionally flooded	NHEL	5		86			
I507B	Glyndon loam, dry, 2 to 6 percent slopes	NHEL	5		86			
I573A	Cormant loamy sand, 0 to 1 percent slopes	NHEL	5		134			
I620A	Clearwater-Reis clay loams, 0 to 1 percent slopes	NHEL	5		86			
I690A	Kittson loam, wet, 0 to 2 percent slopes	NHEL	5		56			

I693A	Garnes fine sandy loam, 0 to 2 percent slopes	NHEL	5		48			
I705A	Roliss loam, dense till, 0 to 1 percent slopes	NHEL	5		48			
I706A	Roliss loam, very poorly drained, dense till, 0 to 1 percent slopes	NHEL	5		48			
I707A	Roliss-Vallers loams, 0 to 1 percent slopes	NHEL	5		86			
I727B	Corliss loamy sand, 2 to 6 percent slopes	NHEL	5		134			
I739A	Dora muck, 0 to 1 percent slopes	HEL	4		134			
I740A	Dora muck, ponded, 0 to 1 percent slopes	NHEL	4					
I747A	Enstrom loamy fine sand, 0 to 2 percent slopes	NHEL	5		134			
I756A	Grygla loamy fine sand, 0 to 1 percent slopes	NHEL	5		134			
I763A	Hilaire fine sandy loam, 0 to 2 percent slopes	HEL	4		134			
I788A	Rosewood, Strathcona, and Berner soils, 0 to 1 percent slopes	NHEL	3		86			
I804A	Eckvoll loamy fine sand, dense till, 0 to 2 percent slopes	NHEL	5		134			
I811A	Linvelde fine sandy loam, dense till, 0 to 2 percent slopes	NHEL	5		134			
I816A	Berner-Markey mucks, 0 to 1 percent slopes	HEL	4		134			
I822A	Reiner loamy fine sand, dense till, 0 to 2 percent slopes	NHEL	5		134			
I824A	Rushlake loamy sand, 0 to 2 percent slopes	NHEL	5		134			
I833A	Wildwood muck, 0 to 1 percent slopes	HEL	3		134			

I850A	Thief river fine sandy loam, 0 to 1 percent slopes	NHEL	3		86			
IGp	Pits, gravel and sand	NHEL	5		134			
IM-W	Miscellaneous water							
IWa	Water							
W	Water							