

Highly Erodible Soil Map Unit List - Stevens County, MN

C= 0.25

R= 100

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
AaA	Aastad clay loam, 0 to 2 percent slopes	NHEL	5	0.24	48	1.00	100	0.13
Af	Alluvial land, frequently flooded	NHEL	5	0.24	0	1.00	100	0.13
Ar	Arveson fine sandy loam	NHEL	4	0.17	86	1.00	100	0.13
BaA	Hokans-Svea complex, 1 to 4 percent slopes	NHEL	5	0.28	48	1.00	100	0.13
BaB	Hokans-Buse complex, 2 to 6 percent slopes	NHEL	5	0.28	48	4.00	125	0.44
BbC2	Barnes-Buse complex, 6 to 12 percent slopes, moderately eroded	PHEL	5	0.28	86	9.00	125	1.35
BdA	Bearden silt loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
Be	Biscay silty clay loam	NHEL	4	0.28	38	1.00	100	0.13
Bf	Biscay silty clay loam, depressional	NHEL	4	0.28	48	1.00	100	0.13
Bh	Urness mucky silty clay loam, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.28	48	1.00	100	0.13
Bm	Borup silt loam	NHEL	4	0.28	86	1.00	100	0.13
BnE	Langhei loam, 12 to 40 percent slopes	HEL	5	0.28	86	27.00	100	6.80

Mapunit Symbol	Mapunit Name	HELK	T	K	I	Slope Percent	Slope Length	LS
BoD2	Langhei-Barnes, moderately eroded, complex, 12 to 20 percent slopes	HEL	5	0.28	86	15.00	100	2.50
BuD	Forman-Buse complex, 12 to 20 percent slopes, moderately eroded	HEL	5	0.28	86	15.00	100	2.50
Co	Colvin silty clay loam	NHEL	5	0.32	86	1.00	100	0.13
Cp	Colvin silty clay loam, depressional	NHEL	5	0.32	86	1.00	100	0.13
DaB	Darnen loam, 1 to 6 percent slopes	NHEL	5	0.28	48	2.00	100	0.20
DIB	Byrne silt loam, 1 to 6 percent slopes	NHEL	5	0.32	48	4.00	125	0.44
Do	Dovray clay, poorly drained	NHEL	5	0.28	86	1.00	100	0.13
Dv	Dovray clay, very poorly drained	NHEL	5	0.28	86	1.00	100	0.13
EcB	Eckman silt loam, 1 to 6 percent slopes	NHEL	5	0.28	86	2.00	100	0.20
EsA	Estelline silt loam, 0 to 2 percent slopes	NHEL	4	0.32	48	1.00	100	0.13
FdA	Fordville loam, 0 to 2 percent slopes	NHEL	4	0.24	48	1.00	100	0.13
FmA	Forman-Aastad complex, 1 to 4 percent slopes	NHEL	5	0.28	48	1.00	100	0.13
FmB	Forman clay loam, 2 to 6 percent slopes	NHEL	5	0.28	48	4.00	125	0.44
FuB2	Forman-Buse complex, 2 to 6 percent slopes, eroded	NHEL	5	0.28	86	4.00	125	0.44
FuC2	Forman-Buse complex, 6 to 12 percent slopes, moderately eroded	PHL	5	0.28	86	9.00	125	1.35

Mapunit Symbol	Mapunit Name	HELK	T	K	I	Slope Percent	Slope Length	LS
GdA	Glyndon silt loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
GIA	Glyndon very fine sandy loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
GmA	Glyndon-McIntosh complex, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
Gr	Grimstad-Rockwell fine sandy loams	NHEL	3	0.24	86	1.00	100	0.13
HaA	Balaton-Hamerly complex, 1 to 4 percent slopes	NHEL	5	0.28	86	2.00	100	0.20
HcC2	Hattie clay, 6 to 12 percent slopes, eroded	PHEL	5	0.28	86	9.00	200	1.70
HcD2	Hattie clay, 12 to 18 percent slopes, eroded	HEL	5	0.28	86	15.00	200	3.50
HnB	Hattie-Nutley clays, 2 to 6 percent slopes	NHEL	5	0.28	86	4.00	200	0.53
Ho	Hegne clay	NHEL	5	0.32	86	1.00	100	0.13
Hw	Hidewood silty clay loam	NHEL	5	0.28	38	1.00	100	0.13
I23A	Glyndon very fine sandy loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
I36A	Kittson loam, 0 to 2 percent slopes	NHEL	5	0.2	86	1.00	100	0.13
I57B	Sandberg-Radium complex, 0 to 6 percent slopes	NHEL	5	0.17	86	4.00	100	0.40
I209A	Swenoda fine sandy loam, 0 to 3 percent slopes	NHEL	5	0.2	86	1.00	100	0.13
I310A	Arverson fine sandy loam, 0 to 1 percent slopes	NHEL	4	0.17	86	1.00	100	0.13

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I318A	Borup silt loam, 0 to 1 percent slopes	NHEL	4	0.28	86	1.00	100	0.13
I376A	Colvin silty clay loam, 0 to 1 percent slopes	NHEL	5	0.32	86	1.00	100	0.13
I397A	Antler-Mustinka complex, 0 to 2 percent slopes	NHEL	5	0.28	86	2.00	100	0.20
I405A	Antler clay loam, 0 to 2 percent slopes	NHEL	5	0.28	86	2.00	100	0.20
I467A	Bearden silt loam, 0 to 2 percent slopes	NHEL	5	0.28	48	1.00	100	0.13
I478A	Lamoure silty clay loam, 0 to 1 percent slopes, occasionally flooded	NHEL	5	0.32	86	1.00	100	0.13
I507A	Glyndon loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
I530A	Colvin silty clay loam, very poorly drained, 0 to 1 percent slopes	NHEL	5	0.32	86	1.00	100	0.13
I626A	Bearden -Mustinka complex, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
I631A	Colvin-Borup complex, 0 to 1 percent slopes	NHEL	4	0.28	86	1.00	100	0.13
I639A	Fargo silty clay, till-floored lake plain, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
I672A	Sioux sandy loam, 0 to 2 percent slopes	NHEL	5	0.17	86	1.00	100	0.13
I672B	Sioux sandy loam, 2 to 6 percent slopes	NHEL	5	0.17	86	1.00	100	0.40
I710A	Winger silt loam, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
I718A	McIntosh silt loam, 0 to 2 percent slopes	NHEL	5	0.28	86	2.00	100	0.20

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I755A	Grimstad-Towner fine sandy loams, 0 to 2 percent slopes	NHEL	3	0.24	86	1.00	100	0.13
I761A	Vallers clay loam, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
I856A	Eckman very fine sandy loam, 1 to 4 percent slopes	NHEL	5	0.28	86	2.00	100	0.20
Lm	Lamoure silty clay loam, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	86	1.00	100	0.13
Ln	Lamoure silty clay loam, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.28	86	1.00	100	0.13
Lp	La Prairie loam, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	48	1.00	100	0.13
MaB	Maddock sandy loam, 0 to 4 percent slopes	NHEL	5	0.17	86	2.00	100	0.20
Mc	Malachy fine sandy loam, loamy subsoil variant	NHEL	5	0.2	86	1.00	100	0.13
MfA	Malachy sandy loam, 0 to 2 percent slopes	NHEL	4	0.2	86	1.00	100	0.13
Mh	Quam, Cathro, and Urness soils, frequently ponded, 0 to 1 percent slopes	NHEL	5	0	134	1.00	100	0.13
Mr	Marysland loam, 0 to 2 percent slopes	NHEL	4	0.28	56	1.00	100	0.13
MsA	McIntosh silt loam, 1 to 3 percent slopes	NHEL	5	0.28	86	2.00	100	0.20
Mu	Cathro muck, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0	134	1.00	100	0.13
Mv	Muck and peat, calcareous	NHEL	5	0	134	1.00	100	0.13
Mw	Muck and peat, calcareous, flooded	NHEL	5	0	134	1.00	100	0.13

Mapunit Symbol	Mapunit Name	HELC	T	K	I	Slope Percent	Slope Length	LS
NcA	Nutley clay, silty substratum, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
NhA	Nutley-Hattie clays, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
Om	Oldham silty clay loam, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
Pa	Parnell silty clay loam, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.28	38	1.00	100	0.13
Pf	Lakepark-Parnell, occasionally ponded, complex, 0 to 2 percent slopes	NHEL	5	0.28	38	1.00	100	0.13
Ra	Rauville silty clay loam, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.28	86	1.00	100	0.13
ReA	Renshaw loam, 0 to 2 percent slopes	NHEL	3	0.28	48	1.00	100	0.13
ReB	Renshaw loam, 1 to 6 percent slopes	NHEL	3	0.28	48	4.00	100	0.40
RzB	Rothsay-Zell silt loams, 2 to 6 percent slopes	NHEL	5	0.32	56	4.00	100	0.40
Sa	Sandy Lake Beaches	NHEL	5	0.1	134	1.00	100	0.13
SgC	Sandberg sandy loam, 2 to 12 percent slopes	NHEL	5	0.1	0	7.00	100	0.83
SsB	Sandberg sandy loam, 1 to 6 percent slopes	NHEL	5	0.17	86	4.00	100	0.40
SvA	Svea loam, 1 to 3 percent slopes	NHEL	5	0.28	48	1.00	100	0.13
SwA	Sverdrup sandy loam, 0 to 2 percent slopes	NHEL	4	0.2	86	1.00	100	0.13
SwB	Sverdrup sandy loam, 2 to 6 percent slopes	NHEL	4	0.2	86	4.00	100	0.40

Mapunit Symbol	Mapunit Name	HELC	T	K	I	Slope Percent	Slope Length	LS
TaA	Tara silt loam, 1 to 3 percent slopes	NHEL	5	0.28	48	1.00	100	0.13
To	Tonka loam	NHEL	5	0.32	48	1.00	100	0.13
Va	Vallers clay loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
Wn	Winger silty clay loam	NHEL	5	0.28	86	1.00	100	0.13
GP	Gravel pit							
IGp	Pits, gravel and sand							
M-W	Water, miscellaneous							
Mh	Marsh							
UDL	Udorthents, loamy (cut and fill land)							
W	Water							