

Highly Erodible Soil Map Unit List - Pope County, MN

C= 0.20

R= 110

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
258B	Sandberg sandy loam, 1 to 6 percent slopes	NHEL	3	0.10	86	3.00	100	0.29
258C	Sandberg sandy loam, 2 to 12 percent slopes	NHEL	5	0.17	86	9.00	100	1.21
258E	Sandberg gravelly sandy loam, 6 to 30 percent slopes	HEL	3	0.10	56	23.00	100	5.20
Af	Alluvial land	NHEL	5	0.24	86	1.00	100	0.13
As	Arveson 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
BbB2	Hokans-Buse complex, 2 to 6 percent slopes	NHEL	5	0.32	86	4.00	125	0.44
BbC2	Barnes-Buse complex, 6 to 12 percent slopes, moderately eroded	PHEL	5	0.32	86	9.00	125	1.35
BdB2	Barnes-Langhei-Renshaw loams, 2 to 6 percent slopes, eroded	NHEL	5	0.32	86	4.00	125	0.44
BdC	Barnes-Langhei-Renshaw loams, 6 to 12 percent slopes	PHEL	5	0.32	86	9.00	125	1.35
Be	Bearden silt loams, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
Bh	Urness mucky silty clay loam, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.28	134	1.00	100	0.13

Mapunit Symbol	Mapunit Name	HELIC	T	K	I	Slope Percent	Slope Length	LS
Ca	Roliss loam, 0 to 2 percent slopes	NHEL	5	0.32	86	1.00	100	0.13
Cn	Clontarf sandy loam, 0 to 2 percent slopes	NHEL	4	0.20	86	1.00	100	0.13
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
D8B	Sandberg loamy sand 1 to 6 percent slopes	NHEL	3	0.10	86	3.00	100	0.29
D8C	Sandberg loamy sand, 2 to 12 percent slopes	NHEL	5	0.17	86	9.00	100	1.21
D8E	Sandberg loamy coarse sand, 6 to 30 percent slopes	HEL	3	0.10	56	23.00	100	5.20
DaB	Darnen silt loam, 0 to 4 percent slopes	NHEL	5	0.28	48	2.00	100	0.20
DIB	Doland silt loam, 2 to 6 percent slopes	NHEL	5	0.32	48	4.00	100	0.40
Es	Estelline silt loam, 0 to 3 percent slopes	NHEL	4	0.32	48	2.00	100	0.20
Et	Estelline silt loam, moderately well drained variant	NHEL	4	0.28	48	1.00	100	0.13
EvA	Arvilla sandy loam, MLRA 91A, 0 to 2 percent slopes	NHEL	3	0.20	56	1.00	100	0.13
EvB	Arvilla sandy loam, MLRA 91A, 2 to 6 percent slopes	NHEL	3	0.20	56	4.00	100	0.40
EvC2	Arvilla sandy loam, MLRA 91A, 6 to 12 percent slopes	PHEL	3	0.20	56	9.00	100	1.35
EwA	Estherville loam, thick loam, 0 to 2 percent slopes	NHEL	4	0.24	48	1.00	100	0.13

Mapunit Symbol	Mapunit Name	HELIC	T	K	I	Slope Percent	Slope Length	LS
EwB	Estherville loam, thick solum, 2 to 6 percent slopes	NHEL	4	0.24	48	4.00	100	0.40
FIA	Flandreau silt loam, 0 to 2 percent slopes	NHEL	5	0.28	48	1.00	100	0.13
FIB	Flandreau silt loam, 2 to 6 percent slopes	NHEL	5	0.28	48	4.00	100	0.40
FoA	Fordville loam, 0 to 2 percent slopes	NHEL	4	0.24	48	1.00	100	0.13
FoB	Fordville loam, 2 to 6 percent slopes	NHEL	4	0.24	48	4.00	100	0.40
FrB2	Forman-Buse complex, 2 to 6 percent slopes	NHEL	5	0.28	48	4.00	100	0.40
FrC2	Forman-Buse complex, 6 to 12 percent slopes, moderately eroded	PHEL	5	0.28	48	9.00	100	1.21
Hc	Hamar sandy loam	NHEL	5	0.20	86	1.00	100	0.13
Hd	Balaton-Hamerly complex, 1 to 4 percent slopes	NHEL	5	0.28	86	2.00	100	0.20
Hv	Hecla loamy sand, 0 to 3 percent slopes	NHEL	5	0.17	134	2.00	100	0.20
J7A	Sverdrup sandy loam, 0 to 2 percent slopes	NHEL	4	0.28	56	1.00	100	0.13
J7B	Sverdrup sandy loam, 2 to 6 percent slopes	NHEL	4	0.20	86	4.00	100	0.40
J17A	Quam silty clay loam, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.28	38	1.00	100	0.13
La	Lake beaches, sandy	NHEL	5	0.10	134	1.00	100	0.13
Lb	Lake beaches, loamy	NHEL	5	0.24	86	1.00	100	0.13

Mapunit Symbol	Mapunit Name	HEL	T	K	I	Slope Percent	Slope Length	LS
Lc	Lamoure silty clay loam, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	86	1.00	100	0.13
Lh	Lamoure silty clay loam, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.28	86	1.00	100	0.13
LIF	Langhei loam, 12 to 40 percent slopes	HEL	5	0.32	86	32.00	100	10.00
LmF	Langhei stony loam, 6 to 40 percent slopes	PHEL	5	0.20	56	23.00	100	5.20
LnB2	Langhei-Barnes loams, 2 to 6 percent slopes, eroded	NHEL	5	0.32	86	4.00	125	0.44
LnC2	Langhei-Barnes, moderately eroded, complex, 6 to 12 percent slopes	PHEL	5	0.32	86	9.00	125	1.35
LnD2	Langhei-Barnes, moderately eroded, complex, 12 to 20 percent slopes	HEL	5	0.32	86	15.00	100	2.50
LoD2	Langhei-Barnes-Sioux complex, 12 to 18 percent slopes, eroded	HEL	5	0.32	86	15.00	100	5.20
MbC	Maddock loamy sand, 6 to 12 percent slopes	NHEL	5	0.17	134	9.00	100	1.21
MbE	Maddock loamy sand, 12 to 25 percent slopes	PHEL	5	0.17	134	18.00	100	3.50
MdA	Maddock sandy loam, 0 to 2 percent slopes	NHEL	5	0.17	86	1.00	100	0.13
MdB	Maddock sandy loam, 2 to 6 percent slopes	NHEL	5	0.17	86	4.00	100	0.40
Mf	Malachy sandy loam, 0 to 2 percent slopes	NHEL	4	0.20	86	1.00	100	0.13
Mk	Quam, Cathro, and Urness soils, frequently ponded, 0 to 1 percent slopes	NHEL	5	0.00	134	1.00	100	0.13
MI	Marysland loam, 0 to 2 percent slopes	NHEL	4	0.28	86	1.00	100	0.13

Mapunit Symbol	Mapunit Name	HELIC	T	K	I	Slope Percent	Slope Length	LS
Mo	Marysland loam, occasionally ponded, 0 to 1 percent slopes	NHEL	4	0.24	86	1.00	100	0.13
Ms	McIntosh silt loam, 1 to 3 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
Mt	Seelyeville-Seelyeville, ponded, complex, 0 to 1 percent slopes	NHEL	5	0.00	134	1.00	100	0.13
Mu	Muck, calcareous	NHEL	5	0.00	134	1.00	100	0.13
Mv	Muck, calcareous, seeped	NHEL	5	0.00	134	1.00	100	0.13
Mw	Muck, calcareous over loam	NHEL	5	0.00	134	1.00	100	0.13
Mx	Muck, calcareous over sand	NHEL	5	0.00	134	1.00	100	0.13
My	Cathro muck, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.00	134	1.00	100	0.13
Mz	Markey muck, occasionally ponded, 0 to 1 percent slopes	NHEL	4	0.00	134	1.00	100	0.13
NuA	Nutley clay loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	150	0.15
NuB	Nutley silty clay loam, 2 to 6 percent slopes	NHEL	5	0.28	86	4.00	150	0.47
Om	Oldham silty clay loam, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
Os	Osakis loam, 0 to 2 percent slopes	NHEL	3	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

Mapunit Symbol	Mapunit Name	HELIC	T	K	I	Slope Percent	Slope Length	LS
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
ReC2	Renshaw loam, 6 to 12 percent slopes, eroded	PHEL	3	0.28	48	9.00	100	1.21
SuA	Svea loam, 1 to 3 percent slopes	NHEL	5	0.28	48	1.00	100	0.13
SyC2	Sverdrup sandy loam, 6 to 12 percent slopes, eroded	PHEL	4	0.20	86	9.00	100	1.21
Ta	Tara silt loam, 1 to 3 percent slopes	NHEL	5	0.28	48	2.00	100	0.20
To	Tonka silt 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
Wa	Wadena loam	NHEL	4	0.24	48	1.00	100	0.13
WbA	Waukon loam, 0 to 2 percent slopes	NHEL	5	0.24	48	1.00	100	0.13
WbB	Waukon loam, 2 to 6 percent slopes	NHEL	5	0.24	48	4.00	125	0.44
WbC	Waukon loam, 6 to 12 percent slopes	PHEL	5	0.24	48	9.00	125	1.35
WbD	Waukon loam, 12 to 20 percent slopes	HEL	5	0.24	48	15.00	100	2.50
WdB2	Waukon-Langhei complex, 2 to 6 percent slopes	NHEL	5	0.24	48	4.00	125	0.44
WdC2	Waukon, moderately eroded-Langhei complex, 6 to 12 percent slopes	PHEL	5	0.24	48	9.00	125	1.35

Mapunit Symbol	Mapunit Name	HELIC	T	K	I	Slope Percent	Slope Length	LS
Wn	Winger silty clay loam	NHEL	5	0.28	86	1.00	100	0.13
GP	Gravel pits							
M-W	Water, miscellaneous							
W	Water							