

Highly Erodible Soil Map Unit List - Wilkin County, MN

C= 0.30

R= 90

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 %	Slope Length	LS
34	Parnell silty clay loam, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.28	48	1.00	75	0.12
60	Glyndon very fine sandy loam	NHEL	5	0.28	86	1.00	100	0.13
65	Foxhome sandy loam	HEL	3	0.20	86	1.00	100	0.13
107	Winger silt loam	NHEL	5	0.28	86	1.00	100	0.13
108	McIntosh silt loam, 1 to 3 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
184A	Balaton-Hamerly complex, 1 to 4 percent slopes	NHEL	5	0.28	86	1.00	100	0.40
236	Vallers clay loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
290B	Eckman silt loam, 1 to 6 percent slopes	NHEL	5	0.32	56	3.00	125	0.30
290B2	Rothsay silt loam, 2 to 6 percent slopes, eroded	NHEL	5	0.32	56	4.00	100	0.40
335	Urness mucky silty clay loam, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	125	0.14
344	Quam silty clay loam, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.28	56	1.00	75	0.12
359	Lamoure silty clay loam, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.28	56	1.00	100	0.13

Mapunit Symbol	Mapunit Name	HELC	T	K	I	Slope %	Slope Length	LS
413	Osakis sandy loam, 0 to 2 percent slopes	HEL	3	0.28	86	1.00	100	0.13
418	Lamoure silty clay loam, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	56	1.00	100	0.13
494	Darnen silt loam, 1 to 6 percent slopes	NHEL	5	0.28	56	1.00	125	0.14
497	Hantho silt loam	NHEL	5	0.28	56	1.00	100	0.13
582	Roliss loam, 0 to 2 percent slopes	NHEL	5	0.28	48	1.00	100	0.13
903B2	Barnes-Langhei loams, 2 to 6 percent slopes, eroded	NHEL	5	0.32	86	4.00	100	0.40
903B2	Hokans-Buse complex, 2 to 6 percent slopes	NHEL	5	0.28	48	4.00	100	0.44
942C2	Langhei-Barnes, moderately eroded, complex, 6 to 12 percent slopes	PHEL	5	0.32	86	9.00	100	1.20
942D2	Langhei-Barnes, moderately eroded, complex, 12 to 20 percent slopes	HEL	5	0.32	86	15.00	100	2.50
957B2	Rothsay-Zell silt loams, 2 to 6 percent slopes, eroded	NHEL	5	0.32	86	4.00	100	0.40
969B	Zell-Rothsay silt loams, 1 to 4 percent slopes	NHEL	5	0.32	86	2.00	100	0.20
969C2	Zell-Rothsay silt loams, 6 to 12 percent slopes, eroded	PHEL	5	0.32	86	9.00	100	1.20
969D2	Zell-Rothsay silt loams, 12 to 18 percent slopes, eroded	HEL	5	0.32	86	15.00	100	2.50
1029	Pits, gravel	NHEL	5	0.24	86	1.00	100	0.13
1055	Quam, Cathro, and Urness soils, frequently ponded, 0 to 1 percent slopes	NHEL	0	0.00	0	1.00	50	0.11

Mapunit Symbol	Mapunit Name	HEL	T	K	I	Slope %	Slope Length	LS
1916	Lindaas silt loam	NHEL	5	0.32	48	1.00	50	0.11
1971	Divide loam	NHEL	4	0.28	86	1.00	100	0.13
I5A	Borup loam, 0 to 1 percent slopes	NHEL	4	0.28	86	1.00	100	0.13
I11A	Deerwood muck, 0 to 1 percent slopes	HEL	3	0.00	134	1.00	50	0.11
I15A	Hecla loamy fine sand, 0 to 2 percent slopes	HEL	5	0.17	134	1.00	100	0.13
I17A	Foldahl fine sandy loam, loamy till substratum, 0 to 3 percent slopes	NHEL	5	0.20	86	1.00	100	0.13
I18A	Foldahl loamy fine sand, loamy till substratum, 0 to 3 percent slopes	NHEL	5	0.20	134	1.00	125	0.14
I19A	Foxhome sandy loam, 0 to 2 percent slopes	HEL	3	0.20	86	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
I24A	Grimstad fine sandy loam, 0 to 2 percent slopes	NHEL	5	0.20	86	1.00	100	0.13
I33A	Hilaire loamy fine sand, 0 to 2 percent slopes	HEL	4	0.15	134	1.00	100	0.13
I36A	Kittson loam, 0 to 2 percent slopes	NHEL	5	0.24	56	1.00	100	0.13
I48A	Radium loamy sand, 0 to 2 percent slopes	NHEL	5	0.24	86	1.00	100	0.13
I49A	Rauville silty clay loam, 0 to 2 percent slopes, frequently flooded	NHEL	0	0.00	0	1.00	50	0.11
I57B	Sandberg-Radium complex, 1 to 6 percent slopes	HEL	5	0.15	134	3.00	100	0.29

Mapunit Symbol	Mapunit Name	HEL	T	K	I	Slope %	Slope Length	LS
I58A	Seelyeville muck, 0 to 1 percent slopes	HEL	5	0.00	134	1.00	100	0.13
I62A	Syrene sandy loam, 0 to 2 percent slopes	HEL	3	0.20	86	1.00	100	0.13
I112A	Augsburg very fine sandy loam, 0 to 2 percent slopes	NHEL	4	0.28	86	1.00	100	0.13
I119A	Bearden silty clay loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
I129A	Croke very fine sandy loam, 0 to 2 percent slopes	NHEL	4	0.24	86	1.00	100	0.13
I132A	Northcote-Eaglepoint clays, 0 to 1 percent slopes	NHEL	5	0.28	56	1.00	100	0.13
I146B	Lamoure-Fluvaquents, channeled complex, 0 to 6 percent slopes, frequently flooded	NHEL	5	0.28	56	1.00	100	0.13
I150B	Zell, fine-silty-LaDelle silt loams, 2 to 6 percent slopes	NHEL	5	0.28	86	4.00	75	0.36
I168A	Parnell silt loam, 0 to 1 percent slopes	NHEL	5	0.28	48	1.00	75	0.12
I185A	Viking clay, 0 to 1 percent slopes	NHEL	5	0.32	56	1.00	100	0.13
I209A	Swenoda fine sandy loam, 0 to 2 percent slopes	NHEL	5	0.20	56	2.00	100	0.20
I229A	Fargo silty clay, 0 to 1 percent slopes	NHEL	5	0.32	86	1.00	100	0.13
I233A	Fargo silty clay loam, 0 to 1 percent slopes	NHEL	5	0.32	38	1.00	100	0.13
I235A	Fargo silty clay, depressional, 0 to 1 percent slopes	NHEL	5	0.32	86	1.00	75	0.12
I243A	Doran clay loam, 0 to 2 percent slopes	NHEL	5	0.28	48	1.00	100	0.13

Mapunit Symbol	Mapunit Name	HELC	T	K	I	Slope %	Slope Length	LS
I244A	Galchutt silt loam, 0 to 2 percent slopes	NHEL	4	0.32	48	1.00	100	0.13
I248A	Wahpeton silty clay, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	86	1.00	100	0.13
I248B	Wahpeton silty clay, 2 to 6 percent slopes, occasionally flooded	NHEL	5	0.28	86	4.00	100	0.40
I293A	Cashel silty clay, 0 to 6 percent slopes, occasionally flooded	NHEL	5	0.32	86	1.00	100	0.13
I309A	Arveson loam, 0 to 1 percent slopes	NHEL	4	0.24	86	1.00	100	0.13
I311A	Arveson loam, 0 to 1 percent slopes, frequently ponded	NHEL	4	0.24	86	1.00	50	0.11
I312A	Wyndmere fine sandy loam, 0 to 2 percent slopes	NHEL	5	0.20	56	1.00	100	0.13
I352A	Espelie fine sandy loam, 0 to 1 percent slopes	NHEL	4	0.20	86	1.00	100	0.13
I356A	Ulen fine sandy loam, 0 to 2 percent slopes	NHEL	5	0.20	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
I377A	Wheatville silt loam, 0 to 2 percent slopes	NHEL	4	0.28	86	1.00	100	0.13
I377B	Wheatville loam, dry, 2 to 6 percent slopes	NHEL	4	0.28	86	4.00	125	0.44
I379A	Doran-Mustinka silty clay loams, 0 to 2 percent slopes	NHEL	5	0.28	86	2.00	100	0.20
I383A	Overly silty clay loam, 0 to 2 percent slopes	NHEL	5	0.24	48	1.00	125	0.14
I393A	Roliss clay loam, 0 to 1 percent slopes	NHEL	5	0.28	48	1.00	100	0.13

Mapunit Symbol	Mapunit Name	HELC	T	K	I	Slope %	Slope Length	LS
I397A	Antler-Mustinka complex, 0 to 2 percent slopes	NHEL	5	0.28	86	2.00	100	0.20
I400A	Gilby loam, 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	1.00	100	0.40
I414A	Mustinka silty clay loam, 0 to 1 percent slopes	NHEL	5	0.32	48	1.00	50	0.11
I416D	Wahpeton-Cashel silty clays, 0 to 15 percent slopes, occasionally flooded	PHEL	5	0.28	86	7.00	100	0.83
I467A	Bearden silt loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
I468A	Divide loam, 0 to 2 percent slopes	NHEL	4	0.28	86	1.00	100	0.13
I472A	Perella silty clay loam, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
I475A	Sinai silty clay, levees, 0 to 6 percent slopes	NHEL	5	0.32	86	3.00	100	0.29
I478A	Lamoure silty clay loam, 0 to 1 percent slopes, occasionally flooded	NHEL	5	0.28	56	1.00	100	0.13
I507A	Glyndon loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
I621A	Clearwater silty clay loam, 0 to 1 percent slopes	NHEL	5	0.24	56	1.00	100	0.13
I627A	Bearden-Fargo complex, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
I634A	Augsburg silt loam, 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	0.32	86	1.00	100	0.13

Mapunit Symbol	Mapunit Name	HELC	T	K	I	Slope %	Slope Length	LS
I641A	Fargo silty clay, silty substratum, 0 to 1 percent slopes	NHEL	5	0.32	86	1.00	100	0.13
I643A	Fargo-Mustinka silty clay loams, 0 to 1 percent slopes	NHEL	5	0.32	38	1.00	100	0.13
I646A	Viking clay loam, 0 to 1 percent slopes	NHEL	5	0.32	56	1.00	100	0.13
I672A	Sioux sandy loam, 2 to 6 percent slopes	HEL	2	0.20	134	3.00	100	0.29
I673A	Lohnes coarse sandy loam, 2 to 6 percent slopes	HEL	5	0.15	134	3.00	100	0.29
I674A	Lohnes sandy loam, 0 to 2 percent slopes	NHEL	5	0.24	86	1.00	100	0.13
I674B	Lohnes sandy loam, 2 to 6 percent slopes	HEL	5	0.15	134	3.00	100	0.29
I675B	Lohnes loamy sand, 2 to 6 percent slopes	HEL	5	0.15	134	3.00	100	0.29
I676A	Syrene sandy clay loam, 0 to 2 percent slopes	HEL	3	0.20	86	1.00	100	0.13
I678A	Osakis sandy loam, 0 to 2 percent slopes	HEL	3	0.28	86	1.00	100	0.13
I684A	Flom clay loam, very poorly drained, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	125	0.14
I690A	Kittson loam, wet, 0 to 2 percent slopes	NHEL	5	0.24	56	1.00	100	0.13
I699A	Rockwell loam, 0 to 1 percent slopes	HEL	3	0.24	86	1.00	100	0.13
I700A	Rockwell loam, very poorly drained, 0 to 1 percent slopes	HEL	3	0.24	86	1.00	50	0.11
I710A	Winger silt loam, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	100	0.13

Mapunit Symbol	Mapunit Name	HELC	T	K	I	Slope %	Slope Length	LS
I712A	Glyndon silty clay loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
I716A	Arveson clay loam, 0 to 1 percent slopes	NHEL	4	0.24	86	1.00	100	0.13
I718A	McIntosh silt loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
I724A	Elmville fine sandy loam, 0 to 2 percent slopes	NHEL	4	0.24	86	1.00	100	0.13
I734A	Aazadahl clay loam, 0 to 2 percent slopes	NHEL	5	0.24	48	1.00	125	0.14
I753A	Rosewood loamy fine sand, 0 to 1 percent slopes	HEL	5	0.17	134	1.00	50	0.11
I755A	Grimstad-Towner fine sandy loams, 0 to 2 percent slopes	NHEL	4	0.24	86	1.00	100	0.13
I762A	Vallers loam, lake plain, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
I794A	Haplaquolls and Histosols, ponded, 0 to 1 percent slopes	NHEL	0	0.00	0	1.00	50	0.11
I821A	Haug muck, silty till, 0 to 1 percent slopes	HEL	5	0.00	134	1.00	50	0.11
I837A	Urness mucky silt loam, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	125	0.14
I900A	Urban Land, 0 to 2 percent slopes							
I901A	Urban Land-Aquerts complex, 0 to 2 percent slopes							
I906F	Orthents-Aquents-Urban Land, highway complex, 0 to 35 percent slopes							
J118C	Hokans-Svea-Buse complex, 2 to 12 percent slopes	PHEL	5	0.32	86	9.00	125	1.35

Mapunit Symbol	Mapunit Name	HELC	T	K	I	Slope %	Slope Length	LS
J119D	Barnes-Svea-Buse complex, 3 to 15 percent slopes	PHEL	5	0.32	86	9.00	125	1.35
J131A	Quam silty clay loam, 0 to 1 percent slopes, occasionally ponded	NHEL						
IGp	Pits, gravel and sand							
IM-W	Miscellaneous water							
IWa	Water							
M-W	Water, miscellaneous							
W	Water							