

Highly Erodible Soil Map Unit List - Traverse 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 "HEL" should only be used for PHEL.

Mapunit Symbol	Mapunit Name	HEL	T	K	I	Slope %	Slope Length	LS
47	Colvin silty clay loam	NHEL	5	0.32	86	1.00	100	0.13
51	La Prairie silt loam	NHEL	5	0.28	48	1.00	100	0.13
67A	Bearden silt loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
67B	Bearden silty clay loam, 2 to 6 percent slopes	NHEL	5	0.28	86	4.00	75	0.37
108	McIntosh silt loam, 1 to 3 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
141	Egeland loam	NHEL	5	0.28	56	2.00	100	0.20
171B	Formdale clay loam, 1 to 6 percent slopes	NHEL	5	0.24	48	3.00	150	0.32
245B	Lohnes sandy loam, 1 to 6 percent slopes	NHEL	5	0.24	86	4.00	100	0.40
293	Swenoda loam	NHEL	5	0.28	56	2.00	100	0.20
344	Quam silty clay loam, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.28	48	1.00	100	0.13
371	Clontarf sandy loam	NHEL	4	0.20	86	1.00	100	0.13
418	Lamoure silty clay loam, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	86	1.00	100	0.13

Mapunit Symbol	Mapunit Name	HEL	T	K	I	Slope %	Slope Length	LS
434	Perella silty clay loam	NHEL	5	0.28	38	1.00	100	0.13
437E	Langhei loam, 12 to 40 percent slopes	HEL	5	0.28	86	30.00	150	10.00
450	Rauville silty clay loam, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.28	86	1.00	100	0.13
494B	Darnen loam, 1 to 6 percent slopes	NHEL	5	0.28	48	4.00	150	0.47
642	Clearwater silty clay loam	NHEL	5	0.28	86	1.00	100	0.13
646B	Peever clay loam, 2 to 6 percent slopes	NHEL	5	0.28	48	4.00	150	0.47
698	Doran clay loam	NHEL	5	0.28	48	2.00	100	0.20
821	Doran-Lindaas silty clay loams	NHEL	5	0.28	48	2.00	100	0.20
822B	Peever-Buse complex, 2 to 6 percent slopes	NHEL	5	0.28	86	4.00	150	0.47
915B	Formdale-Buse complex, 2 to 6 percent slopes	NHEL	5	0.28	86	4.00	150	0.47
915C2	Buse-Formdale clay loams, 6 to 14 percent slopes, eroded	PHL	5	0.28	86	10.00	100	1.40
948	McIntosh-Lindaas complex	NHEL	5	0.32	38	1.00	100	0.13
1030	Udorthents-Pits, complex	NHEL	5	0.24	86	1.00	100	0.13
1916	Lindaas clay loam	NHEL	5	0.32	48	1.00	50	0.11
1940	Quam silty clay loam, ponded	NHEL	5	0.28	38	1.00	50	0.11

Mapunit Symbol	Mapunit Name	HELIC	T	K	I	Slope %	Slope Length	LS
1947	Doran silty clay loam, loamy substratum	NHEL	5	0.28	38	2.00	100	0.20
1950	Ludden silty clay loam	NHEL	5	0.28	86	1.00	75	0.12
I5A	Borup loam, 0 to 2 percent slopes	NHEL	4	0.28	86	1.00	100	0.13
I36A	Kittson loam, 0 to 2 percent slopes	NHEL	5	0.24	56	1.00	100	0.13
I49A	Rauville silty clay loam, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.28	86	1.00	100	0.13
I53A	Roliss loam, 0 to 2 percent slopes	NHEL	5	0.28	48	1.00	100	0.13
I111A	Wheatville very fine sandy loam, 0 to 2 percent slopes	NHEL	4	0.28	86	1.00	100	0.13
I129A	Croke very fine sandy loam, 0 to 3 percent slopes	NHEL	4	0.28	56	1.00	100	0.13
I146B	Lamoure-Fluvaquents, channeled complex, 0 to 6 percent slopes, frequently flooded	NHEL	5	0.28	86	1.00	100	0.13
I168A	Parnell silt loam, 0 to 1 percent slopes	NHEL	5	0.28	38	1.00	100	0.13
I170A	Swenoda loam, 0 to 3 percent slopes	NHEL	5	0.28	56	2.00	100	0.20
I187A	Egeland loam, 0 to 2 percent slopes	NHEL	5	0.28	56	2.00	100	0.20
I233A	Fargo silty clay loam, 0 to 1 percent slopes	NHEL	5	0.32	38	1.00	100	0.13
I243A	Doran clay loam, 0 to 2 percent slopes	NHEL	5	0.28	48	2.00	100	0.20
I271B	Udorthents, relcamimed, 0 to 6 percent slopes	NHEL	5	0.24	86	1.00	100	0.13

Mapunit Symbol	Mapunit Name	HELC	T	K	I	Slope %	Slope Length	LS
I376A	Colvin silty clay loam, 0 to 1 percent slopes	NHEL	5	0.32	86	1.00	100	0.13
I377A	Wheatonville silt loam, 0 to 1 percent slopes	NHEL	4	0.28	86	1.00	100	0.13
I379A	Doran-Mustinka silty clay loams, 0 to 2 percent slopes	NHEL	5	0.28	48	2.00	100	0.20
I393A	Roliss clay loam, 0 to 1 percent slopes	NHEL	5	0.28	48	1.00	100	0.13
I394A	Lamoure silt loam, 0 to 1 percent slopes, occasionally flooded	NHEL	5	0.28	86	1.00	100	0.13
I397A	Antler-Mustinka silty clay loams, 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
I410A	La Prairie silt loam, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	48	1.00	100	0.13
I414A	Mustinka silty clay loam, 0 to 1 percent slopes	NHEL	5	0.32	48	1.00	50	0.11
I467A	Bearden silt loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
I472A	Perella silty clay loam, 0 to 1 percent slopes	NHEL	5	0.28	38	1.00	100	0.13
I478A	Lamoure silty clay loam, 0 to 1 percent slopes, occasionally flooded	NHEL	5	0.28	86	1.00	100	0.13
I500A	Gardena loam, 0 to 2 percent slopes	NHEL	5	0.28	56	1.00	75	0.12
I507A	Glyndon loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
I622A	Clearwater silty clay 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
I625A	Zell, fine-silty-LaDelle silty clay loams, 1 to 6 percent slopes	NHEL	5	0.28	86	4.00	75	0.37
I626A	Bearden-Mustinka complex, 0 to 2 percent slopes	NHEL	5	0.28	86	2.00	75	0.19
I637A	Fargo clay, moderately saline, 0 to 1 percent slopes	NHEL	5	0.32	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
I643A	Fargo-Mustinka silty clay loams, 0 to 1 percent slopes	NHEL	5	0.32	38	1.00	100	0.13
I674A	Lohness sandy loam, 2 to 6 percent slopes	NHEL	5	0.24	86	4.00	100	0.40
I690A	Kittson loam, wet, 0 to 3 percent slopes	NHEL	5	0.24	56	1.00	100	0.13
I718A	McIntosh silt loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
I719A	McIntosh-Mustinka complex, 0 to 2 percent slopes	NHEL	5	0.32	38	1.00	100	0.13
I734A	Aazadahl clay loam, 0 to 2 percent slopes	NHEL	5	0.24	48	1.00	100	0.13
I761A	Vallers clay loam, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
I782A	Ludden silty clay loam, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	75	0.12
I802A	Clontarf sandy loam, 0 to 2 percent slopes	NHEL	4	0.20	86	1.00	100	0.13
I814A	Oldham silty clay loam, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	100	0.13
I838A	Udorthents, 0 to 25 percent slopes	PHEL	5	0.28	86	5.00	100	0.54

Mapunit Symbol	Mapunit Name	HELK	T	K	I	Slope %	Slope Length	LS
I845A	Doran silty clay loam, loamy substratum, 0 to 2 percent slopes	NHEL	5	0.28	38	2.00	100	0.20
J108A	Aazdahl-Balaton clay loams, 0 to 2 percent slopes	NHEL						
J109A	Aazdahl-Balaton-Flom complex, 0 to 3 percent slopes	NHEL						
J110B	Aazdahl-Formdale-Balaton clay loams, 0 to 4 percent slopes	NHEL						
J111B	Aazdahl-Lakepark complex, 0 to 4 percent slopes	NHEL						
J112B	Aazdahl-Quam-Lakepark complex, 0 to 4 percent slopes	NHEL						
J113A	Flom-Aazdahl-Hamerly complex, 0 to 2 percent slopes	NHEL						
J114B	Flom-Aazdahl-Quam complex, 0 to 4 percent slopes	NHEL						
J115A	Flom-Hamerly complex, 0 to 2 percent slopes	NHEL						
J116A	Flom-Quam silty clay loams, 0 to 1 percent slopes, occasionally ponded	NHEL						
J117B	Hokans-Svea complex, 2 to 6 percent slopes	NHEL						
J117C	Hokans-Svea complex, 2 to 9 percent slopes	NHEL						
J118C	Hokans-Svea-Buse complex, 2 to 12 percent slopes	PHL	5	0.32	86	9.00	125	1.35
J119D	Barnes-Svea-Buse complex, 3 to 15 percent slopes	PHL	5	0.32	86	9.00	125	1.35
J120E	Langhei-Barnes-Darnen complex, 5 to 30 percent slopes	HEL	5	0.32	86	15.00	100	2.50

Mapunit Symbol	Mapunit Name	HELC	T	K	I	Slope %	Slope Length	LS
J130A	Quam and Cathro soils, 0 to 1 percent slopes, frequently ponded	NHEL						
J131A	Quam silty clay loam, 0 to 1 percent slopes, occasionally ponded	NHEL						
J132A	Quam-Cathro-Lakepark complex, 0 to 2 percent slopes, frequently ponded	NHEL						
IM-W	Miscellaneous water							
IWa	Water							
W	Water							