

Highly Erodible Soil Map Unit List - Chippewa County, MN

C= 0.18

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 "HELC" should only be used for PHEL.

Mapunit Symbol	Mapunit Name	HELC	T	K	I	Slope Percent	Slope Length	LS
31D	Storden loam, 12 to 18 percent slopes	HEL	5	0.28	86	15.00	100	2.50
35	Blue Earth mucky silt loam, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
45B	Maddock loamy fine sand, 1 to 6 percent slopes	NHEL	5	0.17	134	4.00	175	0.50
45C	Maddock loamy fine sand, 6 to 12 percent slopes	NHEL	5	0.17	134	9.00	150	1.40
60	Glyndon silt loam	NHEL	5	0.28	86	1.00	200	0.16
85	Calco silty clay loam, 0-2 percent slopes, occasionally flooded	NHEL	5	0.28	86	1.00	200	0.16
89	McDonaldsville silty clay	NHEL	4	0.28	86	1.00	200	0.16
94B	Terril loam, 2 to 6 percent slopes	NHEL	5	0.24	48	4.00	175	0.50
113	Webster silty clay loam, 0 to 2 percent slopes	NHEL	5	0.28	38	1.00	200	0.16
127A	Dickman sandy loam, 0 to 2 percent slopes	NHEL	4	0.20	86	1.00	200	0.16
127B	Dickman sandy loam, 2 to 6 percent slopes	NHEL	4	0.20	86	4.00	175	0.50
127C	Sverdrup fine sandy loam, 6 to 12 percent slopes	PHEL	4	0.20	86	9.00	150	1.40

Mapunit Symbol	Mapunit Name	HELC	T	K	I	Slope Percent	Slope Length	LS
234	Tonka silty clay loam	NHEL	5	0.32	38	1.00	200	0.16
324B	Torning very fine sandy loam, 2 to 6 percent slopes	NHEL	5	0.32	86	4.00	175	0.50
338	Waubay silty clay loam	NHEL	5	0.25	38	1.00	200	0.16
339A	Fordville silt loam, 0 to 2 percent slopes	NHEL	4	0.24	48	1.00	200	0.16
339B	Fordville loam, 2 to 6 percent slopes	NHEL	4	0.24	48	4.00	175	0.50
341B	Estherville sandy loam, 2 to 6 percent slopes	NHEL	3	0.20	86	4.00	175	0.50
341C	Arvilla sandy loam, 6 to 12 percent slopes	PHEL	3	0.20	86	9.00	150	1.40
371	Clontarf fine sandy loam	NHEL	4	0.20	86	1.00	200	0.16
421B	Amiret loam, 2 to 6 percent slopes	NHEL	5	0.24	48	4.00	175	0.50
423	Seaforth silt loam, 1 to 3 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
434	Perella silty clay loam	NHEL	5	0.28	38	1.00	200	0.16
444	Canisteo clay loam, 0 to 2 percent slopes	NHEL	5	0.24	86	1.00	200	0.16
574	Du Page loam	NHEL	5	0.28	48	1.00	200	0.16
591B	Doland silt loam, 2 to 6 percent slopes	NHEL	5	0.32	48	4.00	175	0.50
595E	Belview loam, 16 to 30 percent slopes	HEL	5	0.28	86	22.00	100	4.80

Mapunit Symbol	Mapunit Name	HELC	T	K	I	Slope Percent	Slope Length	LS
595F	Belview loam, 22 to 40 percent slopes	HEL	5	0.28	86	33.00	100	9.50
597	Tara silty clay loam	NHEL	5	0.28	38	1.00	200	0.16
610	Calco silty clay loam, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.28	86	1.00	200	0.16
847	Colvin-Spicer silty clay loams	NHEL	5	0.32	86	1.00	200	0.16
881	Glyndon-Quam silty clay loams	NHEL	5	0.28	86	1.00	200	0.16
891B2	Doland-Swanlake complex, 3 to 6 percent slopes, eroded	NHEL	5	0.32	48	5.00	175	0.71
891C2	Doland-Swanlake complex, 6 to 12 percent slopes, eroded	PHEL	5	0.32	48	9.00	150	1.40
957B2	Rothsay-Zell complex, 3 to 6 percent slopes, eroded	NHEL	5	0.32	86	5.00	175	0.71
957C2	Rothsay-Zell complex, 6 to 12 percent slopes, eroded	PHEL	5	0.32	86	9.00	150	1.40
992E	Rock outcrop-Copaston complex, 2 to 40 percent slopes	PHEL	2	0.28	56	21.00	100	4.40
1802	Spicer-Quam silty clay loams	NHEL	5	0.28	86	1.00	200	0.16
1849D	Storden stony loam, 6 to 25 percent slopes	PHEL	5	0.28	0	16.00	100	2.80
1864B	Ves stony loam, 1 to 6 percent slopes	NHEL	5	0.17	0	4.00	175	0.50
1866	Perella-Colvin silty clays	NHEL	5	0.32	86	1.00	200	0.16
1868	Canisteo stony loam	NHEL	5	0.24	0	1.00	200	0.16

Mapunit Symbol	Mapunit Name	HELC	T	K	I	Slope Percent	Slope Length	LS
J1A	Parnell silty clay loam, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.32	38	1.00	200	0.16
J2A	La Prairie loam, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	48	1.00	200	0.16
J6A	McDonaldsville silty clay, 0 to 2 percent slopes	NHEL	4	0.28	86	1.00	200	0.16
J7A	Sverdrup sandy loam, 0 to 2 percent slopes	NHEL	4	0.20	86	1.00	200	0.16
J7B	Sverdrup sandy loam, 2 to 6 percent slopes	NHEL	4	0.20	86	4.00	175	0.50
J8A	Egeland sandy loam, 0 to 2 percent slopes	NHEL	5	0.20	86	1.00	200	0.16
J8B	Egeland sandy loam, 2 to 6 percent slopes	NHEL	5	0.20	86	4.00	175	0.50
J9A	Estelline silt loam, 0 to 2 percent slopes	NHEL	4	0.24	48	1.00	200	0.16
J11A	Vallers clay loam, 0 to 2 percent slopes	NHEL	5	0.24	86	1.00	200	0.16
J12A	Marysland loam, 0 to 2 percent slopes	NHEL	4	0.28	86	1.00	200	0.16
J15B	Eckman silt loam, 1 to 6 percent slopes	NHEL	5	0.32	56	4.00	175	0.50
J17A	Quam silty clay loam, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.28	38	1.00	200	0.16
J18A	Malachy sandy loam, 1 to 3 percent slopes	NHEL	4	0.20	86	1.00	200	0.16
J20A	Clontarf sandy loam, 1 to 3 percent slopes	NHEL	4	0.20	86	1.00	200	0.16
J23A	Lamoure silty clay loam, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	86	1.00	200	0.16

Mapunit Symbol	Mapunit Name	HELK	T	K	I	Slope Percent	Slope Length	LS
J24F	Langhei loam, 12 to 40 percent slopes	HEL	5	0.28	86	33.00	100	9.50
J25A	Rauville silty clay loam, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.28	86	1.00	200	0.16
J26B	Darnen loam, 1 to 6 percent slopes	NHEL	5	0.24	48	4.00	175	0.50
J27A	Hantho silt loam, 1 to 3 percent slopes	NHEL	5	0.28	38	1.00	200	0.16
J30A	Tara silt loam, 1 to 3 percent slopes	NHEL	5	0.28	38	1.00	200	0.16
J31B	Arvilla-Sandberg complex, 2 to 6 percent slopes	NHEL	3	0.20	86	4.00	175	0.50
J32A	Bigstone silty clay loam, depressional, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
J34B	Byrne-Buse complex, 2 to 6 percent slopes	NHEL	5	0.32	48	5.00	175	0.71
J35B	Hokans-Buse complex, 2 to 6 percent slopes	NHEL	5	0.32	48	5.00	175	0.71
J36C2	Langhei-Barnes, moderately eroded, complex, 6 to 12 percent slopes	PHEL	5	0.32	48	9.00	150	1.40
J37D2	Langhei-Barnes complex, 12 to 20 percent slopes, moderately eroded	HEL	5	0.28	86	15.00	100	2.50
J38B	Zell-Eckman complex, 2 to 6 percent slopes	NHEL	5	0.32	86	5.00	175	0.71
J38C2	Zell-Eckman complex, 6 to 12 percent slopes, moderately eroded	PHEL	5	0.32	86	9.00	150	1.40
J41A	Urness mucky silty clay loam, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
J42C	Sandberg-Arvilla complex, 6 to 12 percent slopes	PHEL	3	0.20	86	9.00	150	1.40

Mapunit Symbol	Mapunit Name	HELC	T	K	I	Slope Percent	Slope Length	LS
J43A	Quam, Cathro, and Urnesss soils, frequently ponded, 0 to 1 percent slopes	NHEL	5	0.28	38	1.00	200	0.16
J46B	Byrne silt loam, moderately wet, 1 to 6 percent slopes	NHEL	5	0.32	48	4.00	175	0.50
J48A	Bigstone and Parnell soils, ponded, 0 to 1 percent slopes	NHEL	5	0.28	38	1.00	200	0.16
J50A	Balaton-Tara complex, 1 to 3 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
J51A	Bearden-Quam, depressional, complex, 0 to 2 percent slopes	NHEL	5	0.32	86	1.00	200	0.16
J52A	Rondell silty clay loam, 1 to 3 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
J53A	Ortonville loam, 1 to 3 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
J56A	Winger-Balaton-Parnell, depressional, complex, 0 to 3 percent slopes	NHEL	5	0.24	86	1.00	200	0.16
J57A	Balaton-Hamerly complex, 1 to 4 percent slopes	NHEL	5	0.28	86	2.00	200	0.16
J58B	Torning-Egeland complex, 2 to 6 percent slopes	NHEL	5	0.32	86	4.00	175	0.50
J64A	Lakepark-Parnell, occasionally ponded, complex, 0 to 2 percent slopes	NHEL	5	0.28	38	1.00	200	0.16
J75A	Fordville loam, 0 to 2 percent slopes	NHEL	4	0.24	48	1.00	200	0.16
J75B	Fordville loam, 2 to 6 percent slopes	NHEL	4	0.24	48	4.00	175	0.50
J77A	Lamoure silty clay loam, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.28	86	1.00	200	0.16
J101B	Hokans-Svea complex, 1 to 4 percent slopes	NHEL	5	0.24	48	4.00	175	0.50

Mapunit Symbol	Mapunit Name	HELC	T	K	I	Slope Percent	Slope Length	LS
J256A	Waubay silty clay loam, 1 to 3 percent slopes	NHEL	5	0.28	38	1.00	200	0.16
J259C	Buse-Doland complex, 6 to 12 percent slopes	PHEL	5	0.32	48	9.00	150	1.40
J260A	Colvin-Quam complex, depressional, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
J261A	Perella-Colvin complex, 0 to 2 percent slopes	NHEL	5	0.32	86	1.00	200	0.16
1003B	Udorthents (cut and fill land)							
1016	Udorthents, loamy							
1029	Pits, gravel							
1053	Aquolls and Aquentes, ponded							
1356	Water, miscellaneous							
GP	Udipsamments-Pits, gravel, complex							
M-W	Water, miscellaneous							
W	Water							