

Highly Erodible Soil Map Unit List - Todd County, MN

C= 0.15

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
7A	Hubbard loamy sand, 0 to 2 percent slopes	NHEL	5	0.15	134	1.00	100	0.13
7B	Hubbard loamy sand, 1 to 6 percent slopes	NHEL	5	0.15	134	4.00	100	0.40
36	Lakepark-Parnell, occasionally ponded, complex, 0 to 2 percent slopes	NHEL	5	0.28	48	1.00	150	0.15
38B	Waukon loam, 2 to 6 percent slopes	NHEL	5	0.24	48	4.00	100	0.40
38C	Waukon, moderately eroded-Langhei complex, 6 to 12 percent slopes	PHEL	5	0.24	48	9.00	100	1.20
53B	Kandota sandy loam, 2 to 6 percent slopes	NHEL	5	0.20	86	4.00	125	0.44
53C	Kandota sandy loam, 6 to 12 percent slopes	PHEL	5	0.20	86	9.00	125	1.35
53D	Kandota sandy loam, 12 to 25 percent slopes	HEL	5	0.20	86	18.00	125	4.00
75	Bluffton loam	NHEL	5	0.28	56	1.00	150	0.15
82B	Redeye loamy sand, 2 to 6 percent slopes	NHEL	5	0.17	134	4.00	250	0.60
82C	Redeye loamy sand, 6 to 12 percent slopes	PHEL	5	0.17	134	9.00	250	1.90
111	Hangaard sandy loam	NHEL	2	0.20	86	1.00	150	0.15

Mapunit Symbol	Mapunit Name	HELIC	T	K	I	Slope Percent	Slope Length	LS
121	Wykeham fine sandy loam, 1 to 3 percent slopes	NHEL	5	0.20	86	1.00	100	0.13
127A	Sverdrup sandy loam, Sandy Outwash, 0 to 2 percent slopes	NHEL	4	0.20	86	1.00	100	0.13
127B	Sverdrup sandy loam, Sandy Outwash, 2 to 6 percent slopes	NHEL	4	0.20	86	4.00	100	0.40
139B	Huntersville loamy sand, 1 to 4 percent slopes	NHEL	4	0.17	134	2.00	100	0.20
142	Nokay sandy loam	NHEL	4	0.24	86	1.00	150	0.15
144B	Flak sandy loam, 2 to 6 percent slopes	NHEL	4	0.28	86	4.00	250	0.60
144C	Flak sandy loam, 6 to 12 percent slopes	PHEL	4	0.28	86	9.00	250	1.90
158B	Zimmerman loamy fine sand, 1 to 6 percent slopes	NHEL	5	0.17	220	3.00	100	0.29
158C	Zimmerman loamy fine sand, 6 to 15 percent slopes	PHEL	5	0.17	220	10.00	100	1.40
163B	Brainerd sandy loam, 1 to 4 percent slopes	NHEL	4	0.28	86	3.00	250	0.31
169B	Braham loamy sand, 1 to 6 percent slopes	NHEL	5	0.17	134	3.00	250	0.31
170	Blomford loamy sand	NHEL	5	0.17	134	1.00	150	0.15
180	Gonvick loam, 1 to 4 percent slopes	NHEL	5	0.24	48	2.00	150	0.23
183	Forada sandy loam, occasionally ponded, 0 to 1 percent slopes	NHEL	4	0.20	86	1.00	150	0.15
200B	Holdingford sandy loam, 2 to 6 percent slopes	NHEL	5	0.24	86	4.00	150	0.47

Mapunit Symbol	Mapunit Name	HELK	T	K	I	Slope Percent	Slope Length	LS
200C	Holdingsford sandy loam, 6 to 12 percent slopes	PHEL	5	0.24	86	9.00	150	1.40
202	Meehan loamy sand, 0 to 3 percent slopes	NHEL	5	0.17	134	1.00	150	0.15
204B	Cushing sandy loam, 2 to 8 percent slopes	NHEL	5	0.24	86	5.00	100	0.54
204C	Cushing sandy loam, 8 to 15 percent slopes	PHEL	5	0.24	86	12.00	100	1.80
204E	Cushing sandy loam, 15 to 45 percent slopes	HEL	5	0.24	86	30.00	100	8.00
207B	Nymore loamy sand, 1 to 6 percent slopes	NHEL	5	0.17	134	3.00	100	0.29
207C	Nymore loamy sand, 6 to 12 percent slopes	NHEL	5	0.17	134	9.00	100	1.20
260	Duelm loamy sand, 0 to 2 percent slopes	NHEL	5	0.17	134	1.00	150	0.15
261	Isan-Isan, frequently ponded, complex, 0 to 2 percent slopes	NHEL	5	0.17	134	1.00	100	0.13
292	Alstad sandy loam	NHEL	5	0.24	86	1.00	150	0.15
325	Prebish fine sandy loam	NHEL	5	0.20	86	1.00	150	0.15
341A	Arvilla sandy loam, 0 to 2 percent slopes	NHEL	3	0.20	86	1.00	100	0.13
341B	Arvilla sandy loam, 2 to 6 percent slopes	NHEL	3	0.20	86	4.00	100	0.40
341C	Arvilla sandy loam, 6 to 12 percent slopes	PHEL	3	0.20	86	9.00	100	1.20
374B	Rockwood sandy loam, 2 to 6 percent slopes	NHEL	5	0.24	86	4.00	250	0.60

Mapunit Symbol	Mapunit Name	HELK	T	K	I	Slope Percent	Slope Length	LS
374C	Rockwood sandy loam, 6 to 12 percent slopes	PHEL	5	0.24	86	9.00	250	1.90
374D	Rockwood sandy loam, 12 to 25 percent slopes	HEL	5	0.24	86	18.00	250	4.00
375	Forada sandy loam, 0 to 2 percent slopes	NHEL	4	0.20	86	1.00	150	0.15
402C	Sandberg loamy sand, 2 to 12 percent slopes	HEL	2	0.17	134	7.00	100	0.83
402E	Sandberg loamy coarse sand, 6 to 30 percent slopes	HEL	2	0.17	134	18.00	100	3.50
406B	Dorset sandy loam, 2 to 6 percent slopes	NHEL	3	0.20	86	4.00	100	0.40
406C	Dorset sandy loam, 6 to 12 percent slopes	PHEL	3	0.20	86	9.00	100	1.20
413	Osakis loam, 0 to 2 percent slopes	NHEL	3	0.28	86	1.00	100	0.13
421B	Hokans-Buse complex, 2 to 6 percent slopes	NHEL	5	0.24	48	4.00	100	0.40
421C	Barnes-Buse complex, 6 to 12 percent slopes, moderately eroded	PHEL	5	0.24	48	9.00	100	1.20
446	Normania loam	NHEL	5	0.24	48	2.00	150	0.23
453B	Demontreville loamy sand, 2 to 8 percent slopes	NHEL	5	0.17	134	5.00	150	0.66
453C	Demontreville loamy sand, 8 to 15 percent slopes	PHEL	5	0.17	134	12.00	100	1.80
454B	Mahtomedi loamy sand, 1 to 8 percent slopes	NHEL	5	0.15	134	4.00	150	0.47
454C	Mahtomedi loamy coarse sand, 8 to 15 percent slopes	PHEL	5	0.15	134	12.00	125	2.00

Mapunit Symbol	Mapunit Name	HELK	T	K	I	Slope Percent	Slope Length	LS
454E	Mahtomedi loamy coarse sand, 15 to 45 percent slopes	HEL	5	0.15	134	30.00	125	9.00
458B	Menahga loamy sand, 1 to 8 percent slopes	NHEL	5	0.15	134	4.00	100	0.40
458C	Menahga loamy sand, 8 to 15 percent slopes	NHEL	5	0.15	134	9.00	100	1.20
458E	Menahga loamy sand, 15 to 30 percent slopes	PHEL	5	0.15	134	18.00	100	3.50
514	Tacoosh mucky peat	NHEL	5	0.00	0	1.00	150	0.15
540	Seelyeville-Seelyeville, ponded, complex, 0 to 1 percent slopes	NHEL	5	0.00	134	1.00	150	0.15
541	Rifle-Rifle, ponded, complex, 0 to 1 percent slopes	NHEL	5	0.00	0	1.00	150	0.15
543	Markey muck, occasionally ponded, 0 to 1 percent slopes	NHEL	4	0.00	134	1.00	150	0.15
544	Cathro muck, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.00	134	1.00	150	0.15
545	Rondeau muck	NHEL	5	0.00	134	1.00	150	0.15
565	Eckvoll loamy sand	NHEL	5	0.17	134	2.00	150	0.23
571	Coriff sandy loam	NHEL	5	0.20	86	1.00	150	0.15
572	Lowlein sandy loam	NHEL	5	0.20	86	2.00	100	0.20
582	Roliss loam, 0 to 2 percent slopes	NHEL	5	0.28	48	1.00	100	0.13
701	Runeberg sandy loam, depressional	NHEL	5	0.24	86	1.00	100	0.13

Mapunit Symbol	Mapunit Name	HELK	T	K	I	Slope Percent	Slope Length	LS
703	Paddock sandy loam	NHEL	5	0.24	86	1.00	100	0.13
720B	Blowers soils, 1 to 6 percent slopes	NHEL	5	0.24	86	3.00	250	0.38
800B	Kandota-Dorset sandy loams, 2 to 6 percent slopes	NHEL	3	0.20	86	4.00	150	0.47
800C	Kandota-Dorset sandy loams, 6 to 15 percent slopes	PHEL	3	0.20	86	11.00	100	1.60
800E	Kandota-Dorset sandy loams, 15 to 40 percent slopes	HEL	3	0.20	86	22.00	100	5.00
808	Wykeham-Runeberg sandy loams	NHEL	4	0.20	86	1.00	100	0.13
823	Hangaard-Sioux complex	HEL	2	0.17	134	1.00	150	0.15
824C	Dorset-Sioux sandy loams, 6 to 15 percent slopes	PHEL	2	0.20	86	11.00	100	1.60
824E	Dorset-Sioux complex, 15 to 30 percent slopes	HEL	2	0.17	134	22.00	100	5.00
825	Gonvick-Flom loams	NHEL	5	0.28	48	2.00	150	0.23
873	Prebish-Nokay sandy loams	NHEL	4	0.24	86	2.00	100	0.20
928B	Cushing-Demontreville-Mahtomedi complex, 2 to 8 percent slopes	NHEL	5	0.24	86	5.00	100	0.54
928C	Cushing-Demontreville-Mahtomedi complex, 8 to 15 percent slopes	PHEL	5	0.24	86	12.00	100	1.80
928E	Cushing-Demontreville-Mahtomedi complex, 15 to 45 percent slopes	HEL	5	0.24	86	30.00	100	8.00
967C	Waukon-Langhei loams, 4 to 12 percent slopes	PHEL	5	0.32	86	8.00	100	0.99

Mapunit Symbol	Mapunit Name	HELK	T	K	I	Slope Percent	Slope Length	LS
967D	Waukon, moderately eroded-Langhei complex, 12 to 20 percent slopes	HEL	5	0.32	86	18.00	100	3.50
1015	Psamments, nearly level to sloping	NHEL	5	0.10	134	0.00	0	0.00
1054	Prebish and Histosols, ponded	NHEL	5	0.20	86	1.00	100	0.13
1055	Haslie, Seelyeville, and Cathro soils, frequently ponded, 0 to 1 percent slopes	NHEL	0	0.00	0	1.00	150	0.15
1926	Bowstring-Aquents complex	NHEL	5	0.00	0	1.00	150	0.15
1927	Clotho sandy loam	NHEL	4	0.20	86	1.00	150	0.15
1932	Runeberg sandy loam	NHEL	5	0.20	86	1.00	100	0.13
1943	Roscommon loamy sand	NHEL	5	0.17	134	1.00	100	0.13
1956	Staples loamy sand	NHEL	5	0.17	134	1.00	100	0.13
1029	Pits, gravel							
1356	Water, miscellaneous							
W	Water							