

HIGHLY ERODIBLE SOIL MAP UNIT LIST FOR WATONWAN COUNTY, MN
C =.15, R = 130

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.

musym	muname	HELC	T	K	I	slope %	slope_l	LS
8B	SPARTA LOAMY SAND, 1 TO 6 PERCENT SLOPES	NHEL	5	0.17	134	3.5	150	0.40
27A	DICKINSON FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	NHEL	4	0.20	86	1.0	200	0.16
27B	DICKINSON FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES	NHEL	4	0.20	86	4.0	150	0.47
31F	Belview loam, 16 to 30 percent slopes	HEL	5	0.28	86	25.0	150	7.00
35	Blue Earth mucky silt loam, 0 to 1 percent slopes	NHEL	5	0.28	86	0.5	100	0.10
41B	Estherville sandy loam, 2 to 6 percent slopes	NHEL	3	0.20	86	3.5	150	0.40
69B	FEDJI LOAMY FINE SAND, 1 TO 6 PERCENT SLOPES	NHEL	5	0.17	134	3.5	150	0.40
84	BROWNTON SILTY CLAY LOAM	NHEL	5	0.28	86	1.0	100	0.13
86	Canisteo clay loam, 0 to 2 percent slopes	NHEL	5	0.24	86	1.0	100	0.13
101B	Truman silt loam, 2 to 6 percent slopes	NHEL	5	0.32	48	2.5	200	0.30
102B	Clarion loam, 2 to 6 percent slopes	NHEL	5	0.32	48	2.5	200	0.30
112	Harps clay loam, 0 to 2 percent slopes	NHEL	5	0.24	86	1.0	100	0.13
118	CRIPPIN LOAM	NHEL	5	0.24	86	2.0	125	0.21
128A	GROGAN SILT LOAM, 0 TO 2 PERCENT SLOPES	NHEL	5	0.32	56	1.0	125	0.14

128B	GROGAN SILT LOAM, 2 TO 6 PERCENT SLOPES	NHEL	5	0.32	56	4.0	150	0.47
136	Madelia silty clay loam, 0 to 2 percent slopes	NHEL	5	0.28	38	1.0	125	0.14
140	Spicer silty clay loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.0	125	0.14
160	Fieldon loam, 0 to 2 percent slopes	NHEL	4	0.28	86	1.0	125	0.14
178	GRANBY LOAMY SAND	NHEL	5	0.17	134	1.0	125	0.14
181	LITCHFIELD LOAMY FINE SAND	NHEL	5	0.17	134	2.0	150	0.23
183	DASSEL FINE SANDY LOAM	NHEL	4	0.20	86	0.5	125	0.10
197	Kingston silty clay loam, 1 to 3 percent slopes	NHEL	5	0.28	38	1.0	125	0.14
222B	LASA LOAMY FINE SAND, 1 TO 6 PERCENT SLOPES	NHEL	5	0.17	134	3.0	180	0.34
227	Lemond loam, 0 to 2 percent slopes	NHEL	4	0.24	86	1.0	150	0.15
229	Waldorf silty clay loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.0	150	0.15
247	LINDER SANDY LOAM	NHEL	4	0.20	86	2.0	150	0.23
255	Mayer loam, 0 to 2 percent slopes	NHEL	4	0.24	86	1.0	150	0.15
269	MILLINGTON CLAY LOAM, OCCASIONALLY FLOODED	NHEL	5	0.28	86	1.0	200	0.16
281	DARFUR FINE SANDY LOAM	NHEL	5	0.20	86	1.0	100	0.13
282	Hanska loam, 0 to 2 percent slopes	NHEL	4	0.28	56	1.0	150	0.15
327A	DICKMAN SANDY LOAM, 0 TO 2 PERCENT SLOPES	NHEL	3	0.20	86	1.0	200	0.16

327B	DICKMAN SANDY LOAM, 2 TO 6 PERCENT SLOPES	NHEL	3	0.20	86	4.0	200	0.53
336	Delft clay loam, 0 to 2 percent slopes	NHEL	5	0.24	48	1.0	100	0.13
362	MILLINGTON CLAY LOAM, FREQUENTLY FLOODED	NHEL	5	0.28	-	1.0	100	0.13
392	Biscay clay loam, 0 to 2 percent slopes	NHEL	4	0.28	48	1.0	150	0.15
421B	Amiret loam, 2 to 6 percent slopes	NHEL	5	0.24	48	3.0	125	0.31
423	Seaforth loam, 1 to 3 percent slopes	NHEL	5	0.28	86	2.0	100	0.20
487	HOOPESTON FINE SANDY LOAM	NHEL	4	0.20	86	2.0	125	0.21
517	SHANDEP CLAY LOAM	NHEL	5	0.24	48	0.5	125	0.10
562	Knoke silty clay loam, 0 to 1 percent slopes	NHEL	5	0.32	86	1.0	125	0.14
575	NISHNA SILTY CLAY LOAM	NHEL	5	0.37	86	1.0	125	0.14
639B	RIDGEPORT SANDY LOAM, 1 TO 6 PERCENT SLOPES	NHEL	4	0.24	86	4.0	150	0.47
654	REVERE CLAY LOAM	NHEL	5	0.24	86	1.0	150	0.15
668	CORWITH SILT LOAM	NHEL	5	0.28	48	2.0	150	0.23
789B2	GROGAN-LASA VARIANT COMPLEX, 2 TO 6 PERCENT SLOPES, ERODED	NHEL	5	0.32	56	4.0	150	0.47
789C2	LASA VARIANT-GROGAN COMPLEX, 6 TO 12 PERCENT SLOPES, ERODED	PHL	5	0.32	56	9.0	150	1.44
790B	GROGAN-DICKINSON COMPLEX, 1 TO 4 PERCENT SLOPES	NHEL	5	0.32	56	2.5	150	0.28
887B	CLARION-SWANLAKE LOAMS, 1 TO 4 PERCENT SLOPES	NHEL	5	0.28	86	3.0	125	0.31

909C2	BOLD-TRUMAN SILT LOAMS, 5 TO 12 PERCENT SLOPES, ERODED	PHEL	5	0.43	86	9.0	125	1.31
920B2	Clarion-Estherville complex, 2 to 6 percent slopes	NHEL	5	0.28	48	4.0	125	0.43
920C2	CLARION-ESTHERVILLE COMPLEX, 6 TO 12 PERCENT SLOPES, ERODED	PHEL	5	0.28	48	9.0	125	1.31
921B2	CLARION-STORDEN LOAMS, 2 TO 6 PERCENT SLOPES, ERODED	NHEL	5	0.28	48	5.0	125	0.60
921C2	Clarion-Storden complex, 6 to 10 percent slopes, moderately eroded	PHEL	5	0.28	48	9.0	125	1.31
929	FIELDON-CANISTEO COMPLEX	NHEL	4	0.28	86	1.0	125	0.14
954B2	Amiret-Swanlake loams, 2 to 6 percent slopes	NHEL	5	0.28	86	5.0	125	0.60
954C2	STORDEN-VES Complex 6 TO 10 PERCENT SLOPES, ERODED	PHEL	5	0.28	86	9.0	125	1.31
960D2	Omsrud-Storden Loams, 10 TO 16 PERCENT SLOPES, ERODED	HEL	5	0.28	86	15.0	125	2.86
999B2	VES-ESTHERVILLE COMPLEX, 2 TO 8 PERCENT SLOPES, ERODED	PHEL	3	0.20	86	5.0	125	0.60
1016	UDORTHENTS, LOAMY	NHEL	5	0.28	86	2.0	100	0.20
1030	UDORTHENTS-PITS, GRAVEL COMPLEX	NHEL	5	0.10	134	10.0	25	0.69
1055	Klossner, Okoboji, and Glencoe soils, ponded, 0 to 1 percent slopes	NHEL	5	-	-	0.5	100	0.10
1356	Water, miscellaneous							
1833	COLAND CLAY LOAM, OCCASIONALLY FLOODED	NHEL	5	0.24	48	1.0	125	0.14
1834	COLAND CLAY LOAM, FREQUENTLY FLOODED	NHEL	5	0.24	48	1.0	125	0.14
1907	LAKEFIELD SILTY CLAY LOAM	NHEL	5	0.32	38	1.0	150	0.15

1931	ESSEXVILLE SANDY LOAM	NHEL	5	0.20	86	1.0	100	0.13
1981	HANLON-KALMARVILLE COMPLEX, 0 TO 4 PERCENT SLOPES	NHEL	5	0.20	86	2.0	100	0.20
L13A	Klossner muck, 0 to 1 percent slopes	NHEL	5	-	134	0.5	100	0.10
L83A	WEBSTER CLAY LOAM, 0 TO 2 PERCENT SLOPES	NHEL	5	0.24	48	1.0	100	0.13
L84A	Glencoe clay loam, 0 to 1 percent slopes	NHEL	5	0.28	48	0.5	100	0.10
L85A	NICOLLET LOAM, 1 TO 3 PERCENT SLOPES	NHEL	5	0.24	48	2.0	150	0.23
L107A	Canisteo-Glencoe complex, 0 to 2 percent slopes	NHEL	5	0.24	86	1.0	100	0.13
L163A	Okoboji silty clay loam, 0 to 1 percent slopes	NHEL	5	0.32	86	0.5	125	0.10
L201A	Normania loam, 1 to 3 percent slopes	NHEL	5	0.24	48	2.0	125	0.21
W	WATER	NHEL						