Highly Erodible Soil Map Unit List - **AITKIN COUNTY, MN**

C=.10

R=110

This data is only to be used for HEL determinations. This is the "frozen list" based on 01/01/1990 information. Values other than 'HELC' should only be used for PHEL.

musym	muname	HELC	T	K	I	slope_%	slope_l	LS
119C	Pomroy loamy fine sand, 6 to 12 percent slopes	NHEL	4	0.15	134	8.0	80	0.89
124	Brickton silt loam	NHEL	5	0.43	48	1.0	100	0.12
133B	Dalbo very fine sandy loam, 1 to 6 percent slopes	NHEL	5	0.37	48	4.0	100	0.40
142	Nokay fine sandy loam	NHEL	4	0.24	86	1.0	80	0.12
144B	Flak sandy loam, 3 to 8 percent slopes	NHEL	4	0.28	86	5.0	80	0.48
144C	Flak sandy loam, 8 to 15 percent slopes	PHEL	4	0.28	86	12.0	80	1.60
146B	Wabedo sandy loam, 1 to 6 percent slopes	NHEL	4	0.28	86	4.0	80	0.37
147	Spooner silt loam	NHEL	5	0.37	56	1.0	100	0.12
152B	Milaca fine sandy loam, 3 to 8 percent slopes	NHEL	4	0.28	86	5.0	80	0.48
152C	Milaca fine sandy loam, 8 to 15 percent slopes	PHEL	4	0.28	86	12.0	80	1.60
152E	Milaca fine sandy loam, 15 to 25 percent slopes	HEL	4	0.28	86	20.0	80	3.50
164B	Mora fine sandy loam, 1 to 4 percent slopes	NHEL	4	0.28	86	2.0	80	0.19
166	Ronneby loam	NHEL	4	0.32	56	1.0	80	0.12
167B	Baudette silt loam, 1 to 5 percent slopes	NHEL	5	0.37	48	3.0	100	0.29
186	Nemadji loamy fine sand	NHEL	5	0.17	134	1.0	80	0.12
1878	Hamre muck	NHEL	5	0.00	134	0.2	80	0.08
188B	Omega loamy fine sand, 2 to 6 percent slopes	NHEL	5	0.17	134	4.0	80	0.37
188C	Omega loamy fine sand, 6 to 12 percent slopes	NHEL	5	0.17	134	8.0	80	0.89
188E	Omega loamy sand, 12 to 25 percent slopes	PHEL	5	0.17	134	18.0	80	3.00
202	Meehan loamy sand	NHEL	5	0.17	134	1.0	80	0.12
204B	Branstad loam, 2 to 6 percent slopes	NHEL	5	0.32	56	4.0	80	0.37
204C	Cushing loam, 6 to 12 percent slopes	PHEL	5	0.32	56	8.0	80	0.89
204E	Cushing loam, 12 to 25 percent slopes	HEL	5	0.32	56	18.0	80	3.00
218	Watab fine sand	NHEL	4	0.15	220	1.0	80	0.12
240B	Warba very fine sandy loam, 1 to 6 percent slopes	NHEL	5	0.20	86	3.0	80	0.27
240C	Warba very fine sandy loam, 6 to 12 percent slopes	NHEL	5	0.20	86	8.0	80	0.89
243	Stuntz very fine sandy loam	NHEL	5	0.28	86	1.0	80	0.12
266	Freer silt loam	NHEL	4	0.37	56	1.0	80	0.12
268B	Cromwell fine sandy loam, 1 to 6 percent slopes	NHEL	3	0.20	86	4.0	80	0.37
268C	Cromwell sandy loam, 6 to 12 percent slopes	PHEL	3	0.20	86	8.0	80	0.89
268E	Cromwell fine sandy loam, 12 to 25 percent slopes	HEL	3	0.20	86	18.0	80	3.00

Highly Erodible Soil Map Unit List - **AITKIN COUNTY, MN**

C=.10

R=110

This data is only to be used for HEL determinations. This is the "frozen list" based on 01/01/1990 information. Values other than 'HELC' should only be used for PHEL.

musym	muname	HELC	T	K	I	slope_%	slope_l	LS
268F	Cromwell fine sandy loam, 25 to 40 percent slopes	HEL	3	0.20	86	30.0	80	7.00
292	Alstad loam	NHEL	5	0.32	56	1.0	80	0.12
302B	Rosholt fine sandy loam, 2 to 6 percent slopes	NHEL	4	0.24	86	4.0	80	0.37
302C	Rosholt fine sandy loam, 6 to 12 percent slopes	PHEL	4	0.24	86	8.0	80	0.89
346	Talmoon fine sandy loam	NHEL	5	0.24	86	0.5	80	0.09
428	Hassman muck	NHEL	5	0.00	134	0.2	100	0.08
454B	Mahtomedi loamy coarse sand, 2 to 6 percent slopes	NHEL	5	0.15	134	4.0	80	0.37
454C	Mahtomedi loamy coarse sand, 6 to 12 percent slopes	NHEL	5	0.15	134	8.0	80	0.89
454E	Mahtomedi loamy coarse sand, 12 to 25 percent slopes	PHEL	5	0.15	134	18.0	80	3.00
454F	Mahtomedi gravelly loamy sand, 25 to 40 percent slopes	HEL	5	0.15	134	30.0	80	7.00
458B	Menahga loamy sand, 1 to 6 percent slopes	NHEL	5	0.15	134	4.0	80	0.37
458C	Menahga loamy sand, 6 to 12 percent slopes	NHEL	5	0.15	134	8.0	80	0.89
458E	Menahga loamy sand, 12 to 25 percent slopes	PHEL	5	0.15	134	18.0	80	3.00
464B	Brennyville silt loam, 2 to 5 percent slopes	NHEL	4	0.37	56	3.0	80	0.27
469B	Hillcity silt loam, 1 to 6 percent slopes	NHEL	5	0.37	56	4.0	80	0.37
502	Dusler silt loam	NHEL	5	0.37	48	1.0	80	0.12
504B	Duluth fine sandy loam, 1 to 6 percent slopes	NHEL	5	0.37	86	4.0	80	0.37
504C	Duluth fine sandy loam, 6 to 12 percent slopes	PHEL	5	0.37	86	8.0	80	0.89
504E	Duluth fine sandy loam, 12 to 25 percent slopes	HEL	5	0.37	56	18.0	80	3.00
531	Beseman muck	NHEL	2	0.00	134	0.2	80	0.08
532	Sago muck	NHEL	5	0.00	134	0.2	80	0.08
533	Loxley peat	NHEL	3	0.00	38	0.2	80	0.08
540	Seelyeville muck	NHEL	3	0.00	134	0.2	80	0.08
541	Rifle peat	NHEL	5	0.00	38	0.2	80	0.08
543	Markey muck	NHEL	4	0.00	134	0.2	80	0.08
544	Cathro muck	NHEL	5	0.00	134	0.2	80	0.08
546	Lupton muck	NHEL	5	0.00	134	0.2	80	0.08
549	Greenwood peat	NHEL	5	0.00	38	0.2	80	0.08
563	Northwood muck	NHEL	5	0.00	134	0.2	80	0.08
564	Friendship loamy sand	NHEL	5	0.17	134	1.0	80	0.12
607	Pengilly silt loam	NHEL	5	0.32	56	1.0	80	0.12

Highly Erodible Soil Map Unit List - **AITKIN COUNTY, MN**

C=.10

R=110

This data is only to be used for HEL determinations. This is the "frozen list" based on 01/01/1990 information. Values other than 'HELC' should only be used for PHEL.

musym	muname	HELC	T	K	I	slope_%	slope_l	LS
615	Cowhorn loamy very fine sand	NHEL	5	0.37	134	1.0	80	0.12
617B	Goodland silt loam, 1 to 10 percent slopes	PHEL	4	0.37	56	6.0	80	0.60
618B	Itasca silt loam, 1 to 6 percent slopes	NHEL	5	0.37	56	4.0	80	0.37
621	Morph very fine sandy loam	NHEL	5	0.24	86	1.0	80	0.12
625	Sandwick loamy sand	NHEL	4	0.17	134	1.0	80	0.12
627	Tawas muck	NHEL	2	0.00	134	0.2	80	0.08
628	Talmoon muck, depressional	NHEL	5	0.00	134	0.2	80	0.08
629B	Wawina loamy very fine sand, 1 to 10 percent slopes	NHEL	5	0.24	134	6.0	80	0.60
672	Willosippi loam	NHEL	5	0.32	56	1.0	80	0.12
685	Oesterle fine sandy loam	NHEL	4	0.24	86	1.0	80	0.12
732B	Bushville loamy fine sand, 1 to 6 percent slopes	NHEL	4	0.17	134	4.0	80	0.37
734	Cormant loamy fine sand, stratified substratum	NHEL	5	0.17	134	0.2	80	0.08
736	Ronneby-Mora complex	NHEL	4	0.28	86	2.0	80	0.19
738B	Milaca-Millward complex, 2 to 8 percent slopes	NHEL	4	0.28	86	5.0	80	0.48
738C	Milaca-Millward complex, 8 to 15 percent slopes	PHEL	4	0.28	86	12.0	80	1.60
759	Waukenabo fine sandy loam	NHEL	5	0.20	86	0.5	80	0.09
795	Redby loamy fine sand, stratified substratum	NHEL	5	0.17	134	0.5	80	0.09
797	Mooselake and Lupton mucky peats	NHEL	3	0.00	56	0.2	80	0.08
799	Seelyeville-Bowstring association	NHEL	3	0.00	134	0.2	80	0.08
869	Lobo and Waskish peats	NHEL	3	0.00	0	0.2	80	0.08
870B	Itasca-Goodland complex, 2 to 6 percent slopes	NHEL	4	0.37	56	4.0	80	0.37
870C	Itasca-Goodland complex, 6 to 12 percent slopes	PHEL	4	0.37	56	8.0	80	0.89
870E	Itasca-Goodland complex, 12 to 25 percent slopes	HEL	4	0.37	56	18.0	80	3.00
872	Pengilly-Winterfield association	NHEL	5	0.32	56	1.0	80	0.12
928C	Cushing-Mahtomedi complex, 2 to 10 percent slopes	NHEL	5	0.24	86	6.0	80	0.60
928D	Cushing-Mahtomedi complex, 10 to 25 percent slopes	PHEL	5	0.32	56	16.0	80	2.60
928F	Cushing-Mahtomedi complex, 25 to 40 percent slopes	HEL	5	0.24	86	30.0	80	7.00
980	Blackhoof and Mahtowa soils	NHEL	5	0.28	48	0.2	80	0.08
990	Twig and Giese soils	NHEL	4	0.32	48	0.2	80	0.08
1002	Borosaprists and Fluvaquents soils, frequently flooded	NHEL	5	0.28	56	0.2	80	0.08
1031	Histosols, ponded	NHEL	3	0.00	0	0.2	80	0.08

Highly Erodible Soil Map Unit List - **AITKIN COUNTY, MN**

C=.10

R=110

This data is only to be used for HEL determinations. This is the "frozen list" based on 01/01/1990 information. Values other than 'HELC' should only be used for PHEL.

musym	muname	HELC	T	K	I	slope_%	slope_l	LS
1072	Udorthents, shallow (sanitary landfill)	NHEL						
1115	Newson loamy sand	NHEL	5	0.17	134	1.0	80	0.12
1150	Jevne fine sandy loam	NHEL	5	0.20	86	1.0	80	0.12
1154	Sax muck	NHEL	5	0.00	134	0.2	80	0.08
1353B	Cutaway loamy fine sand, 1 to 6 percent slopes	NHEL	5	0.17	134	4.0	80	0.37
1354A	Aftad fine sandy loam, 0 to 3 percent slopes	NHEL	5	0.24	86	2.0	100	0.20
1372	Wealthwood loamy fine sand	NHEL	5	0.17	134	1.0	80	0.12
1375B	Alban fine sandy loam, 3 to 8 percent slopes	NHEL	5	0.24	86	5.0	80	0.48
1878	Hamre muck	NHEL	5	0.00	134	0.2	80	0.08
1982	Baudette-Spooner complex	NHEL	5	0.37	48	1.0	80	0.12
1983	Cathro muck, stratified substratum	NHEL	2	0.00	134	0.2	80	0.08
1984	Leafriver muck	NHEL	5	0.00	134	0.2	80	0.08
GP	Pits, gravel-udispamments complex	NHEL						
M-W	Water, miscellaneous	NHEL						
W	Water	NHEL						