McHenry
North Dakota

6/15/87

Highly Erodible and
Potentially Highly Erodible
Land Calculator Ver. 1.1

Highly Erodible Land Classes
1= Highly Erodible Land
2= Potentially Highly Erodible
3= Not Highly Erodible

			WIND EROSION			WATER EROSION												Revised
			C	I	HEL	R	K	T	Slope- -Percent		Slope- -Length		LS- -Value			Water	HEL	Water
Map Symbol	Soil Name	%	Value	Value	Class	Value	Value	Value	Min	Max	Min	Max	Min	Max	8T/RK=	HEL Class	Class
1	Tonka	90	45	0.48	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
	Parnell	10	45	0.38	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
2	Parnell	90	45	0.38	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
	Southam	10	45	0.48	3	50	0.37	5	0	1	100	300	0.069	0.179	2.162	3	3
5	Southam	100	45	0.48	3	50	0.37	5	0	1	100	300	0.069	0.179	2.162	3	3
6	Rifle	100							0	1	100	300	0.069	0.179			
10	Aberdeen	60	45	0.48	3	50	0.32	3	0	1	100	300	0.069	0.179	1.500	3	3
	Great Bend	40	45	0.48	3	50	0.32	5	0	3	100	300	0.069	0.399	2.500	3	3
17B	Arvilla	85	45	0.86	1	50	0.2	3	0	6	75	300	0.065	1.164	2.400	3	3
	Sioux	15	45	0.56	1	50	0.28	2	0	6	75	150	0.065	0.823	1.143	3	3
18B	Aylmer	65	45	2.2	1	50	0.15	5	0	6	25	100	0.053	0.672	5.333	3	3
	Bantry	35	45	2.2	1	50	0.15	5	0	3	25	75	0.053	0.263	5.333	3	3
19B	Aylmer	65	45	2.2	1	50	0.15	5	0	6	25	100	0.053	0.672	5.333	3	3
	Minnewaukan	35	45	1.34	1	50	0.15	5	0	1	100	300	0.069	0.179	5.333	3	3
24B	Barnes	65	45	0.48	3	50	0.28	5	0	3	50	100	0.060	0.287	2.857	3	3
	Buse	35	45	0.86	3	50	0.28	5	0	6	25	50	0.053	0.475	2.857	3	3
24C	Barnes	60	45	0.48	3	50	0.28	5	3	9	75	150	0.263	1.436	2.857	3	3
	Buse	40	45	0.86	3	50	0.28	5	6	9	25	50	0.336	0.829	2.857	3	3
24D	Buse	55	45	0.86	3	50	0.28	5	9	15	75	150	1.016	3.135	2.857	2	1
	Barnes	45	45	0.48	3	50	0.28	5	9	15	75	150	1.016	3.135	2.857	2	1
24E	Buse	50	45	0.86	3	50	0.28	5	15	25	75	250	2.217	9.313	2.857	2	1
	Barnes	50	45	0.48	3	50	0.28	5	15	25	25	75	1.280	5.101	2.857	2	1
29	Svea	55	45	0.48	3	50	0.28	5	0	2	100	300	0.060	0.279	2.857	3	3
	Barnes	35	45	0.48	3	50	0.28	5	0	2	50	100	0.060	0.201	2.857	3	3
29B	Barnes	55	45	0.48	3	50	0.28	5	2	5	100	300	0.201	0.927	2.857	3	3
	Svea	35	45	0.48	3	50	0.28	5	2	5	50	100	0.163	0.535	2.857	3	3
36	Miranda	50	45	0.48	3	50	0.32	3	0	1	75	150	0.065	0.146	1.500	3	3
	Cavour	50	45	0.48	3	50	0.37	3	0	1	50	100	0.060	0.129	1.297	3	3
37	Cavour	55	45	0.48	3	50	0.37	3	0	3	75	150	0.065	0.324	1.297	3	3
	Cresbard	45	45	0.48	3	50	0.32	3	0	3	75	150	0.065	0.324	1.500	3	3
44B	Claire	55	45	2.2	1	50	0.15	5	1	6	50	100	0.105	0.672	5.333	3	3
	Lohnes	45	45	2.2	1	50	0.15	5	1	6	75	150	0.118	0.823	5.333	3	3
50	Colvin	100	45	0.86	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
51	Colvin, saline	85	45	0.86	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
	Harriet & Stirum	15	45	0.86	3	50	0.27	5	0	1	100	300	0.069	0.179	2.963	3	3
52	Colvin, wet	100	45	0.86	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
54	Barnes	50	45	0.48	3	50	0.28	5	0	3	75	200	0.065	0.353	2.857	3	3
	Cresbard	50	45	0.48	3	50	0.32	3	0	3	75	200	0.065	0.353	1.500	3	3
54B	Barnes	55	45	0.48	3	50	0.28	5	3	6	75	150	0.263	0.823	2.857	3	3
	Cresbard	45	45	0.48	3	50	0.32	3	3	6	75	150	0.263	0.823	1.500	3	3
56	Divide	100	45	0.86	1	50	0.28	4	0	3	75	200	0.065	0.353	2.286	3	3
62B	Egeland	100	45	0.86	3	50	0.2	5	0	6	75	150	0.065	0.823	4.000	3	3
65	Embden	100	45	0.86	3	50	0.2	5	0	3	100	300	0.069	0.399	4.000	3	3
68	Fargo	100	45	0.86	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
72	Verendrye	100	45	1.34	1	50	0.24	5	0	1	100	300	0.069	0.179	3.333	3	3
73	Fossum	50	45	0.86	3	50	0.2	5	0	1	100	300	0.069	0.179	4.000	3	3
	Arveson	50	45	0.86	1	50	0.24	4	0	1	100	300	0.069	0.179	2.667	3	3

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		WIND EROSION			WATER EROSION											Revised	
			C	I	HEL	R	K	T	Slope- -Percent		Slope- -Length		LS- -Value			Water	HEL
Map Symbol	Soil Name	%	Value	Value	Class	Value	Value	Value	Min	Max	Min	Max	Min	Max	8T/RK=	HEL Class	Class
74	Fossum		45	0.86	3	50	0.2	5	0	1	100	300	0.069	0.179	4.000	3	3
76	Gardena	100	45	0.56	3	50	0.28	5	0	3	100	300	0.069	0.399	2.857	3	3
79	Glyndon	100	45	0.86	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
80	Glyndon	100	45	0.86	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
82	Great Bend	50	45	0.38	3	50	0.32	5	0	3	100	300	0.069	0.399	2.500	3	3
	Overly	50	45	0.38	3	50	0.32	5	0	3	75	200	0.065	0.353	2.500	3	3
88	Hamerly	100	45	0.86	3	50	0.28	5	0	3	75	200	0.065	0.353	2.857	3	3
89	Hamerly	100	45	0.86	3	50	0.28	5	0	3	75	150	0.065	0.324	2.857	3	3
90	Hamerly	60	45	0.86	3	50	0.28	5	0	3	75	150	0.065	0.324	2.857	3	3
	Tonka	40	45	0.48	3	50	0.32	5	0	1	50	100	0.060	0.129	2.500	3	3
91	Hecla	100	45	1.34	1	50	0.17	5	0	3	100	300	0.069	0.399	4.706	3	3
104	Colvin	100	45	0.86	3	50	0.32	5	0	1	75	200	0.065	0.159	2.500	3	3
105	Letcher	100	45	0.86	1	50	0.24	3	0	3	75	200	0.065	0.353	2.000	3	3
106	Swenoda	55	45	0.86	3	50	0.2	5	0	3	75	200	0.065	0.353	4.000	3	3
	Larson	45	45	0.86	1	50	0.32	3	0	3	75	200	0.065	0.353	1.500	3	3
106B	Swenoda	55	45	0.86	3	50	0.2	5	3	6	50	150	0.233	0.823	4.000	3	3
	Larson	45	45	0.86	1	50	0.32	3	3	6	50	150	0.233	0.823	1.500	3	3
107B	Lohnes	75	45	2.2	1	50	0.15	5	0	6	100	300	0.069	1.164	5.333	3	3
	Claire	25	45	2.2	1	50	0.15	5	0	6	50	150	0.060	0.823	5.333	3	3
108	Falsen	75	45	2.2	1	50	0.15	5	0	3	50	150	0.060	0.324	5.333	3	3
	Karlsruhe	25	45	0.86	3	50	0.24	5	0	3	50	150	0.060	0.324	3.333	3	3
109D	Lohnes	50	45	1.34	1	50	0.15	5	6	15	75	200	0.582	3.620	5.333	3	3
	Maddock	50	45	1.34	1	50	0.17	5	6	15	75	200	0.582	3.620	4.706	3	3
110	Ludden	100	45	0.86	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
111	Ludden	100	45	0.86	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
112B	Maddock	75	45	1.34	1	50	0.17	5	1	6	25	150	0.085	0.823	4.706	3	3
	Hecla	25	45	1.34	1	50	0.17	5	0	3	25	150	0.053	0.324	4.706	3	3
124	Marysland	100	45	0.86	1	50	0.28	4	0	1	100	300	0.069	0.179	2.286	3	3
127	Pits, gravel																
136	Ryan	10	45	0.48	3	50	0.28	3	0	1	100	300	0.069	0.179	1.714	3	3
137	Harriet	100	45	0.48	3	50	0.37	3	0	1	100	300	0.069	0.179	1.297	3	3
139F	Serden	100	45	2.2	1	50	0.15	5	3	50	50	200	0.233	25.206	5.333	2	1
145B	Sioux	80	45	0.56	1	50	0.28	2	1	6	25	150	0.085	0.823	1.143	3	3
	Arvilla	20	45	0.86	1	50	0.2	3	1	6	25	150	0.085	0.823	2.400	3	3
145E	Sioux	85	45	0.56	1	50	0.28	2	6	25	50	200	0.475	8.330	1.143	2	1
	Arvilla	15	45	0.86	1	50	0.2	3	6	25	25	150	0.336	7.214	2.400	2	1
151	Stirum	100	45	0.86	1	50	0.24	3	0	1	100	300	0.069	0.179	2.000	3	3
157	Swenoda	100	45	0.86	3	50	0.2	5	0	3	100	300	0.069	0.399	4.000	3	3
158B	Swenoda	50	45	0.86	3	50	0.2	5	0	6	50	200	0.060	0.951	4.000	3	3
	Barnes	50	45	0.48	3	50	0.28	5	0	6	25	150	0.053	0.823	2.857	3	3
163B	Towner	100	45	1.34	1	50	0.17	5	0	6	50	200	0.060	0.951	4.706	3	3
164C	Towner	50	45	1.34	1	50	0.17	5	3	6	50	200	0.233	0.951	4.706	3	3
	Buse	35	45	0.86	3	50	0.28	5	3	9	25	100	0.189	1.173	2.857	3	3
	Maddock	15	45	1.34	1	50	0.17	5	3	6	25	150	0.189	0.823	4.706	3	3
165E	Dickey	40	45	1.34	1	50	0.17	5	9	25	50	200	0.829	8.330	4.706	2	1
	Buse	35	45	0.86	3	50	0.28	5	9	25	50	150	0.829	7.214	2.857	2	1
	Maddock	25	45	1.34	1	50	0.17	5	9	25	25	150	0.586	7.214	4.706	2	1

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			C	I	HEL	R	K	T	Slope- -Percent		Slope- -Length		LS- -Value			Water	Water HEL
Map Symbol	Soil Name	%	Value	Value	Class	Value	Value	Value	Min	Max	Min	Max	Min	Max	8T/RK=	HEL Class	Class
172	Ulen	100	45	0.86	1	50	0.17	4	0	3	100	300	0.069	0.399	4.706	3	3
175	Ulen	65	45	1.34	1	50	0.17	5	0	3	50	150	0.060	0.324	4.706	3	3
	Hecla	35	45	1.34	1	50	0.17	5	0	3	50	150	0.060	0.324	4.706	3	3
176B	Velva	100	45	0.56	3	50	0.2	5	0	6	50	200	0.060	0.951	4.000	3	3
177	LaDelle	100	45	0.48	3	50	0.28	5	0	3	100	300	0.069	0.399	2.857	3	3
180	Wyndmere	100	45	0.86	3	50	0.2	5	0	1	100	300	0.069	0.179	4.000	3	3
181	Wyndmere	100	45	0.86	3	50	0.2	5	0	1	100	300	ERROR	ERROR	4.000	ERROR	ERROR
184	Wyrene	100	45	0.86	1	50	0.2	4	0	1	100	300	0.069	0.179	3.200	3	3
185	Karlsruhe	100	45	0.86	3	50	0.24	5	0	1	100	300	0.069	0.179	3.333	3	3
186	Williams	100	45	0.48	3	50	0.28	5	0	3	100	300	0.069	0.399	2.857	3	3
186B	Williams	100	45	0.48	3	50	0.28	5	3	6	50	200	0.233	0.951	2.857	3	3
187C	Williams	60	45	0.48	3	50	0.28	5	6	9	25	150	0.336	1.436	2.857	3	3
	Zahl	40	45	0.86	3	50	0.28	5	6	9	25	50	0.336	0.829	2.857	3	3
188E	Zahl	55	45	0.86	3	50	0.28	5	9	20	50	150	0.829	4.995	2.857	2	1
	Williams	45	45	0.48	3	50	0.28	5	9	20	25	100	0.586	4.078	2.857	2	1
188F	Zahl	50	45	0.86	3	50	0.28	5	6	60	100	300	0.672	40.098	2.857	2	1
	Svea	20	45	0.48	3	50	0.28	5	6	15	25	100	0.336	2.559	2.857	3	3
	Max	20	45	0.48	3	50	0.28	5	6	60	50	100	0.475	23.150	2.857	2	1
189	Williams	55	45	0.48	3	50	0.28	5	0	3	75	200	0.065	0.353	2.857	3	3
	Niobell	45	45	0.48	3	50	0.32	3	0	3	75	200	0.065	0.353	1.500	3	3
189B	Williams	60	45	0.48	3	50	0.28	5	3	6	75	150	0.263	0.823	2.857	3	3
	Niobell	40	45	0.48	3	50	0.32	3	3	6	75	150	0.263	0.823	1.500	3	3