Pierce
North Dakota

6/1/87

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
Map Symbol	Soil Name	%	Value	Value	Class	Value	Value	Value	Min	Max	Min	Max	Min	Max	8T/RK=	HEL Class	Class
1	Tonka	100	0.45	0.48	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
2	Parnell	100	0.45	0.38	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
3	Colvin	100	0.45	0.86	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
7	Fossum	100	0.45	0.86	3	50	0.2	5	0	1	100	300	0.069	0.179	4.000	3	3
12	Hegne	100	0.45	0.86	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
13	Hegne	100	0.45	0.86	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
14	Bearden	100	0.45	0.86	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
15	Bearden	100	0.45	0.86	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
16	Overly	100	0.45	0.38	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
17	Colvin	100	0.45	0.86	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
18	Colvin, channeled	100	0.45	0.86	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
20	Pits, gravel	100	0.45	0.56	1	50	0.24	2	0	35	50	100	0.060	10.222	1.333	2	1
24	Hecla	60	0.45	1.34	1	50	0.17	5	0	3	100	175	0.069	0.339	4.706	3	3
	Ulen	40	0.45	1.34	1	50	0.17	4	0	1	50	125	0.060	0.138	3.765	3	3
25	Hecla	90	0.45	1.34	1	50	0.17	5	0	3	100	300	0.069	0.399	4.706	3	3
	Maddock	10	0.45	1.34	1	50	0.17	5	0	3	50	100	0.060	0.287	4.706	3	3
26B	Maddock	70	0.45	1.34	1	50	0.17	5	1	6	50	100	0.105	0.672	4.706	3	3
	Hecla	30	0.45	1.34	1	50	0.17	5	0	6	50	75	0.060	0.582	4.706	3	3
27C	Maddock	80	0.45	1.34	1	50	0.17	5	6	9	50	125	0.475	1.311	4.706	3	3
	Hecla	20	0.45	1.34	1	50	0.17	5	3	6	50	75	0.233	0.582	4.706	3	3
29	Towner	90	0.45	1.34	1	50	0.17	5	0	3	100	200	0.069	0.353	4.706	3	3
	Dickey	5	0.45	1.34	1	50	0.17	5	0	3	75	150	0.065	0.324	4.706	3	3
	Hecla	5	0.45	1.34	1	50	0.17	5	0	3	100	200	0.069	0.353	4.706	3	3
31B	Towner	60	0.45	1.34	1	50	0.17	5	0	6	75	125	0.065	0.752	4.706	3	3
	Dickey	30	0.45	1.34	1	50	0.17	5	3	6	50	75	0.233	0.582	4.706	3	3
	Hecla & Maddock	10	0.45	1.34	1	50	0.17	5	0	6	50	75	0.060	0.582	4.706	3	3
32C	Dickey	80	0.45	1.34	1	50	0.17	5	6	9	50	125	0.475	1.311	4.706	3	3
	Towner	20	0.45	1.34	1	50	0.17	5	3	6	50	75	0.233	0.582	4.706	3	3
	Hecla & Maddock	10	0.45	1.34	1	50	0.17	5	3	9	50	75	0.233	1.016	4.706	3	3
34	Tiffany	100	0.45	0.86	3	50	0.2	5	0	1	100	300	0.069	0.179	4.000	3	3
35	Embden	90	0.45	0.86	3	50	0.2	5	0	3	100	300	0.069	0.399	4.000	3	3
	Egeland & Swenoda	10	0.45	0.86	3	50	0.2	5	0	3	50	300	0.060	0.399	4.000	3	3
36B	Embden	60	0.45	0.86	3	50	0.2	5	0	6	75	150	0.065	0.823	4.000	3	3
	Egeland	30	0.45	0.86	3	50	0.2	5	3	6	50	765	0.233	1.859	4.000	3	3
	Swenoda	10	0.45	0.86	3	50	0.2	5	0	6	75	150	0.065	0.823	4.000	3	3
37C	Egeland	70	0.45	0.86	3	50	0.2	5	6	9	50	125	0.475	1.311	4.000	3	3
	Embden	20	0.45	0.86	3	50	0.2	5	3	6	50	100	0.233	0.672	4.000	3	3
	Swenoda	10	0.45	0.86	3	50	0.2	5	3	6	50	100	0.233	0.672	4.000	3	3
39	Swenoda	90	0.45	0.86	3	50	0.2	5	0	3	100	300	0.069	0.399	4.000	3	3
	Embden	10	0.45	0.86	3	50	0.2	5	0	3	100	300	0.069	0.399	4.000	3	3
41B	Swenoda	90	0.45	0.86	3	50	0.2	5	0	6	75	150	0.065	0.823	4.000	3	3
	Embden	10	0.45	0.86	3	50	0.2	5	0	6	75	150	0.065	0.823	4.000	3	3
42C	Swenoda	100	0.45	0.86	3	50	0.2	5	3	9	50	125	0.233	1.311	4.000	3	3
43	Wyndmere	100	0.45	0.86	3	50	0.2	5	0	1	100	300	0.069	0.179	4.000	3	3
44	Fossum	100	0.45	0.86	3	50	0.15	5	0	1	100	300	0.069	0.179	5.333	3	3
49	Hamerly	90	0.45	0.86	3	50	0.28	5	0	3	75	150	0.065	0.324	2.857	3	3
	Vallers & Tonka	10	0.45	0.86	3	50	0.28	5	0	1	50	100	0.060	0.129	2.857	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
50	Svea		0.45	0.48	3	50	0.28	5	0	3	75	300	0.065	0.399	2.857		3	3
	Barnes & Hamerly	15	0.45	0.48	3	50	0.28	5	0	3	50	100	0.060	0.287	2.857		3	3
51	Barnes	45	0.45	0.48	3	50	0.28	5	0	3	100	300	0.069	0.399	2.857		3	3
	Svea	40	0.45	0.48	3	50	0.28	5	0	3	50	100	0.060	0.287	2.857		3	3
	Tonka & Hamerly	15	0.45	0.48	3	50	0.32	5	0	3	50	100	0.060	0.287	2.500		3	3
51B	Barnes	50	0.45	0.48	3	50	0.28	5	0	6	75	150	0.065	0.823	2.857		3	3
	Svea	35	0.45	0.48	3	50	0.28	5	0	3	50	100	0.060	0.287	2.857		3	3
	Tonka & Hamerly	15	0.45	0.48	3	50	0.32	5	0	3	50	100	0.060	0.287	2.500		3	3
53B	Barnes	60	0.45	0.48	3	50	0.28	5	0	6	50	100	0.060	0.672	2.857		3	3
	Buse	30	0.45	0.86	3	50	0.28	5	3	6	25	50	0.189	0.475	2.857		3	3
	Svea	10	0.45	0.48	3	50	0.28	5	0	6	50	100	0.060	0.672	2.857		3	3
53C	Barnes	55	0.45	0.48	3	50	0.28	5	6	9	75	150	0.582	1.436	2.857		3	3
	Buse	35	0.45	0.86	3	50	0.28	5	6	9	50	75	0.475	1.016	2.857		3	3
	Svea	10	0.45	0.48	3	50	0.28	5	3	6	50	100	0.233	0.672	2.857		3	3
55F	Esmond	45	0.45	0.48	3	50	0.28	5	9	26	75	200	1.016	8.887	2.857		2	1
	Heimdal	40	0.45	0.48	3	50	0.28	5	9	26	50	100	0.829	6.284	2.857		2	1
	Emrick	15	0.45	0.56	3	50	0.28	5	6	12	50	100	0.475	1.804	2.857		3	3
56	Cresbard	50	0.45	0.48	3	50	0.32	3	0	3	75	150	0.065	0.324	1.500		3	3
	Svea	35	0.45	0.48	3	50	0.28	5	0	3	50	100	0.060	0.287	2.857		3	3
	Barnes & Hamerly	15	0.45	0.48	3	50	0.28	5	0	3	50	100	0.060	0.287	2.857		3	3
57	Vallers	100	0.45	0.86	3	50	0.28	5	0	1	75	150	0.065	0.146	2.857		3	3
58	Vallers, saline	100	0.45	0.86	3	50	0.28	5	0	1	75	150	0.065	0.146	2.857		3	3
59	Hamerly	50	0.45	0.86	3	50	0.28	5	0	3	75	150	0.065	0.324	2.857		3	3
	Tonka	25	0.45	0.48	3	50	0.32	5	0	1	50	100	0.060	0.129	2.500		3	3
	Vallers	15	0.45	0.86	3	50	0.28	5	0	1	50	100	0.060	0.129	2.857		3	3
	Barnes & Svea	10	0.45	0.48	3	50	0.28	5	0	3	50	100	0.060	0.287	2.857		3	3
60	Emrick	90	0.45	0.56	3	50	0.28	5	0	3	100	300	0.069	0.399	2.857		3	3
	Fram & Tonka	10	0.45	0.86	3	50	0.28	5	0	3	50	100	0.060	0.287	2.857		3	3
60B	Emrick	90	0.45	0.56	3	50	0.28	5	0	6	75	150	0.065	0.823	2.857		3	3
	Fram & Tonka	10	0.45	0.86	3	50	0.28	5	0	3	50	100	0.060	0.287	2.857		3	3
61B	Heimdal	50	0.45	0.56	3	50	0.28	5	0	6	75	150	0.065	0.823	2.857		3	3
	Emrick	50	0.45	0.56	3	50	0.28	5	0	3	50	100	0.060	0.287	2.857		3	3
62	Emrick	60	0.45	0.56	3	50	0.28	5	0	3	75	200	0.065	0.353	2.857		3	3
	Heimdal	25	0.45	0.56	3	50	0.28	5	0	3	75	200	0.065	0.353	2.857		3	3
	Tonka & Fram	15	0.45	0.48	3	50	0.32	5	0	3	50	100	0.060	0.287	2.500		3	3
62B	Emrick	55	0.45	0.56	3	50	0.28	5	0	3	75	150	0.065	0.324	2.857		3	3
	Heimdal	30	0.45	0.56	3	50	0.28	5	0	6	75	150	0.065	0.823	2.857		3	3
	Tonka, Fram, Esmond	15	0.45	0.48	3	50	0.32	5	0	6	50	100	0.060	0.672	2.500		3	3
62C	Heimdal	50	0.45	0.56	3	50	0.28	5	6	9	75	150	0.582	1.436	2.857		3	3
	Emrick	40	0.45	0.56	3	50	0.28	5	3	6	50	100	0.233	0.672	2.857		3	3
	Esmond	10	0.45	0.86	3	50	0.28	5	6	9	50	75	0.475	1.016	2.857		3	3
63D	Esmond	45	0.45	0.86	3	50	0.28	5	9	15	75	150	1.016	3.135	2.857		2	3
	Heimdal	40	0.45	0.56	3	50	0.28	5	9	15	50	100	0.829	2.559	2.857		3	3
	Emrick	15	0.45	0.56	3	50	0.28	5	6	9	50	100	0.475	1.173	2.857		3	3
63F	Esmond	55	0.45	0.86	3	50	0.28	5	15	35	75	200	2.217	14.456	2.857		2	1
	Heimdal	35	0.45	0.56	3	50	0.28	5	9	35	50	150	0.829	12.519	2.857		2	1
	Emrick	10	0.45	0.56	3	50	0.28	5	6	9	50	100	0.475	1.173	2.857		3	3

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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
64C	Heimdal	55	0.45	0.56	3	50	0.28	5	6	9	75	150	0.582	1.436	2.857	3	3
	Esmond	35	0.45	0.86	3	50	0.28	5	6	9	50	75	0.475	1.016	2.857	3	3
	Emrick	10	0.45	0.56	3	50	0.28	5	3	6	50	100	0.233	0.672	2.857	3	3
65	Fram	80	0.45	0.86	3	50	0.28	5	0	3	75	150	0.065	0.324	2.857	3	3
	Tonka, Valler, Emrick	20	0.45	0.48	3	50	0.32	5	0	1	50	100	0.060	0.129	2.500	3	3
66	Gardena	85	0.45	0.56	3	50	0.28	5	0	3	100	300	0.069	0.399	2.857	3	3
	Eckman	5	0.45	0.56	3	50	0.28	5	0	3	50	150	0.060	0.324	2.857	3	3
	Glyndon & Tonka	10	0.45	0.86	3	50	0.28	5	0	1	50	200	0.060	0.159	2.857	3	3
67B	Gardena	75	0.45	0.56	3	50	0.28	5	3	6	75	150	0.263	0.823	2.857	3	3
	Eckman	25	0.45	0.56	3	50	0.28	5	3	6	50	75	0.233	0.582	2.857	3	3
68C	Eckman	70	0.45	0.56	3	50	0.28	5	6	9	50	125	0.475	1.311	2.857	3	3
	Gardena	30	0.45	0.56	3	50	0.28	5	3	6	50	100	0.233	0.672	2.857	3	3
70	Glyndon	95	0.45	0.86	3	50	0.28	5	0	3	100	300	0.069	0.399	2.857	3	3
	Tonka	5	0.45	0.48	3	50	0.32	5	0	1	50	100	0.060	0.129	2.500	3	3
71	Gardena	85	0.45	0.56	3	50	0.28	5	0	3	100	300	0.069	0.399	2.857	3	3
	Eckman	5	0.45	0.56	3	50	0.28	5	0	3	50	150	0.060	0.324	2.857	3	3
	Glyndon & Tonka	10	0.45	0.86	3	50	0.28	5	0	3	50	200	0.060	0.353	2.857	3	3
72	Glyndon, saline	95	0.45	0.86	3	50	0.28	5	0	3	100	300	0.069	0.399	2.857	3	3
	Tonka	5	0.45	0.48	3	50	0.32	5	0	1	50	100	0.060	0.129	2.500	3	3
73	Borup, wet	50	0.45	0.86	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
	Fossum, wet	50	0.45	0.86	3	50	0.15	5	0	1	100	300	0.069	0.179	5.333	3	3
74	Borup	100	0.45	0.86	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
75	Borup, saline	100	0.45	0.86	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
78	Emrick	40	0.45	0.56	3	50	0.28	5	0	3	75	200	0.065	0.353	2.857	3	3
	Cathay	35	0.45	0.48	3	50	0.32	3	0	3	75	150	0.065	0.324	1.500	3	3
	Heimdal	25	0.45	0.56	3	50	0.28	5	0	3	50	100	0.060	0.287	2.857	3	3
80	Cathay	80	0.45	0.48	3	50	0.32	3	0	3	75	200	0.065	0.353	1.500	3	3
	Emrick	20	0.45	0.56	3	50	0.28	5	0	3	50	100	0.060	0.287	2.857	3	3
80B	Cathay	75	0.45	0.48	3	50	0.32	3	3	6	50	150	0.233	0.823	1.500	3	3
	Emrick	15	0.45	0.56	3	50	0.28	5	0	6	50	100	0.060	0.672	2.857	3	3
	Heimdal	10	0.45	0.56	3	50	0.28	5	3	6	50	100	0.233	0.672	2.857	3	3
81	Cathay	45	0.45	0.48	3	50	0.28	3	0	3	100	300	0.069	0.399	1.714	3	3
	Gardena	40	0.45	0.56	3	50	0.28	5	0	3	100	300	0.069	0.399	2.857	3	3
	Glyndon & Tonka	15	0.45	0.86	3	50	0.28	5	0	3	50	200	0.060	0.353	2.857	3	3
82	Letcher	100	0.45	0.86	1	50	0.24	3	0	3	75	200	0.065	0.353	2.000	3	3
88B	Arvilla	100	0.45	0.86	1	50	0.2	3	0	6	75	3009	0.065	3.687	2.400	2	3
89C	Sioux	85	0.45	0.86	1	50	0.24	2	1	15	50	200	0.105	3.620	1.333	2	1
	Arvilla	15	0.45	0.86	1	50	0.2	3	1	6	50	100	0.105	0.672	2.400	3	3
90C	Serden	85	0.45	2.2	1	50	0.15	5	0	15	50	200	0.060	3.620	5.333	3	3
	Aylmer	15	0.45	2.2	1	50	0.15	5	0	6	25	150	0.053	0.823	5.333	3	3
95	Divide	90	0.45	0.86	1	50	0.28	4	0	3	75	300	0.065	0.399	2.286	3	3
	Marysland	10	0.45	0.86	1	50	0.28	4	0	1	50	200	0.060	0.159	2.286	3	3
96	Aquents	100															
100	Stirum	100	0.45	0.86	1	50	0.24	2	0	1	100	300	0.069	0.179	2.000	3	3
104	Aquolls	100															
105	Aylmer sand	70	0.45	2.2	1	50	0.15	5	0	6	25	100	0.053	0.672	5.333	3	3
	Fossum	30	0.45	0.86	3	50	0.15	5	0	1	25	75	0.053	0.118	5.333	3	3