Bottineau
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
Map Symbol	Soil Name	%	Value	Value	Class	Value	Value	Value	Min	Max	Min	Max	Min	Max	8T/RK=	HEL Class	Class
1	Tonka	100	45	0.48	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
2	Parnell	100	45	0.38	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
5	Pits, gravel	100	45	0.56	1	50	0.24	2	0	35	50	100	0.060	10.222	1.333	2	1
6	Eramosh Peat	100	45	0.86	3	50	0.43	5	0	1	100	300	0.069	0.179	1.860	3	3
10	Svea	100	45	0.48	3	50	0.28	5	0	3	100	300	0.069	0.399	2.857	3	3
11	Svea	70	45	0.48	3	50	0.28	5	0	3	75	150	0.065	0.324	2.857	3	3
	Tonka	30	45	0.48	3	50	0.32	5	0	1	50	100	0.060	0.129	2.500	3	3
12	Barnes	55	45	0.48	3	50	0.28	5	0	3	100	300	0.069	0.399	2.857	3	3
	Svea	30	45	0.48	3	50	0.28	5	0	3	75	125	0.065	0.307	2.857	3	3
	Hamerly & Tonka	15	45	0.48	3	50	0.32	5	0	3	50	100	0.060	0.287	2.500	3	3
12B	Barnes	55	45	0.48	3	50	0.28	5	0	0	75	150	0.065	0.075	2.857	3	3
	Svea	30	45	0.48	3	50	0.28	5	0	6	50	100	0.060	0.672	2.857	3	3
	Hamerly & Tonka	15	45	0.48	3	50	0.32	5	0	3	50	100	0.060	0.287	2.500	3	3
13	Barnes	95	45	0.48	3	50	0.28	5	0	3	125	300	0.072	0.399	2.897	3	3
	Hamerly & Tonka	5	45	0.48	3	50	0.32	5	0	3	50	100	0.060	0.287	2.500	3	3
13B	Barnes	95	45	0.48	3	50	0.28	5	3	6	75	125	0.263	0.752	2.857	3	3
	Hamerly & Tonka	95	45	0.48	3	50	0.32	5	0	3	50	100	0.060	0.287	2.500	3	3
14C	Barnes	60	45	0.48	3	50	0.28	5	3	9	50	125	0.233	1.311	2.857	3	3
	Buse	40	45	0.86	3	50	0.28	5	3	9	50	75	0.233	1.016	2.857	3	3
15E	Buse	60	45	0.86	3	50	0.28	5	9	25	75	150	1.016	7.214	2.857	2	1
	Barnes	40	45	0.48	3	50	0.28	5	9	25	50	100	0.829	5.890	2.857	2	1
17	Hamerly	70	45	0.86	3	50	0.28	5	0	3	100	175	0.069	0.339	2.857	3	3
	Tonka	30	45	0.48	3	50	0.32	5	0	1	50	125	0.060	0.138	2.500	3	3
19	Hamerly	85	45	0.86	3	50	0.28	5	0	3	75	150	0.065	0.324	2.857	3	3
	Tonka & Vallers	15	45	0.48	3	50	0.32	5	0	1	25	75	0.053	0.118	2.500	3	3
20	Hamerly, saline	100	45	0.86	3	50	0.28	5	0	3	75	150	0.065	0.324	2.857	3	3
21	Vallers	100	45	0.86	3	50	0.28	5	0	1	75	125	0.065	0.138	2.857	3	3
25	Fargo	100	45	0.48	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
26	Fargo, ponded	50	45	0.86	3	50	0.32	5	0	1	100	200	0.069	0.159	2.500	3	3
	Hegne	50	45	0.86	3	50	0.28	5	0	1	100	200	0.069	0.159	2.857	3	3
27	Hegne	100	45	0.86	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
28	Hegne, saline	100	45	0.86	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
30	Overly	100	45	0.38	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
31	Bearden	100	45	0.86	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
33	Colvin	100	45	0.86	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
34	Colvin, saline	100	45	0.86	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
36	Overly	60	45	0.48	3	50	0.32	5	0	3	100	300	0.069	0.399	2.500	3	3
	Great Bend	40	45	0.48	3	50	0.32	5	0	3	75	150	0.065	0.324	2.500	3	3
40	Gardena	95	45	0.56	3	50	0.28	5	0	3	100	300	0.069	0.399	2.857	3	3
	Tonka	5	45	0.56	3	50	0.32	5	0	1	50	100	0.060	0.129	2.500	3	3
42B	Eckman	100	45	0.56	3	50	0.28	5	3	6	75	125	0.263	0.752	2.857	3	3
45	Glyndon	95	45	0.86	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
	Tonka	5	45	0.48	3	50	0.32	5	0	1	50	100	0.060	0.129	2.500	3	3
46	Glyndon, saline	50	45	0.86	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
	Bearden, saline		45	0.38	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
50	Embden	100	45	0.86	3	50	0.2	5	0	3	100	300	0.069	0.399	4.000	3	3
51B	Egland	100	45	0.86	3	50	0.2	5	3	6	75	125	0.263	0.752	4.000	3	3

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Map Symbol	Soil Name	%	Value	Value	Class	Value	Value	Value	Min	Max	Min	Max	Min	Max	8T/RK=	HEL Class	Class
53	Wyndmere	100	45	0.86	3	50	0.2	5	0	1	100	300	0.069	0.179	4.000	3	3
54	Ulen	50	45	1.34	1	50	0.17	4	0	3	100	175	0.069	0.339	3.765	3	3
	Hecla	45	45	1.34	1	50	0.17	5	0	3	50	100	0.060	0.287	4.706	3	3
	Arveson	5	45	0.86	1	50	0.24	4	0	1	50	100	0.060	0.129	2.667	3	3
55	Hecla	100	45	1.34	1	50	0.17	5	0	3	100	300	0.069	0.399	4.706	3	3
56B	Maddock	100	45	1.34	1	50	0.17	5	3	6	50	100	0.233	0.672	4.706	3	3
61B	Hecla	90	45	1.34	1	50	0.15	5	1	6	25	100	0.085	0.672	5.333	3	3
	Arveson	10	45	0.86	1	50	0.24	4	0	1	25	75	0.053	0.118	2.667	3	3
62B	Serden	100	45	2.2	1	50	0.15	5	0	6	25	100	0.053	0.672	5.333	3	3
64B	Towner	100	45	1.34	1	50	0.17	5	0	6	75	125	0.065	0.752	4.706	3	3
65	Swenoda	100	45	0.86	3	50	0.2	5	0	3	100	300	0.069	0.399	4.000	3	3
69	Arveson	90	45	0.86	1	50	0.24	4	0	1	100	300	0.069	0.179	2.667	3	3
	Stirum	10	45	0.86	1	50	0.24	3	0	1	25	75	0.053	0.118	2.000	3	3
71	Arveson, wet	100	45	0.86	1	50	0.24	4	0	1	100	300	0.069	0.179	2.667	3	3
73	Letcher	90	45	0.86	1	50	0.24	3	0	3	100	200	0.069	0.353	2.000	3	3
	Stirum	10	45	0.86	1	50	0.24	3	0	1	50	100	0.060	0.129	2.000	3	3
74B	Cresbard	60	45	0.48	3	50	0.32	3	0	6	75	125	0.065	0.752	1.500	3	3
	Svea	40	45	0.48	3	50	0.28	5	0	3	50	100	0.060	0.287	2.857	3	3
75	Aberdeen	60	45	0.48	3	50	0.32	3	0	1	100	300	0.069	0.179	1.500	3	3
	Overly	40	45	0.38	3	50	0.32	5	0	1	75	175	0.065	0.153	2.500	3	3
79	Divide	100	45	0.86	1	50	0.28	4	0	1	100	300	0.069	0.179	2.286	3	3
80	Marysland	100	45	0.86	1	50	0.28	4	0	1	50	150	0.060	0.146	2.286	3	3
82B	Arvilla	90	45	0.86	1	50	0.2	3	0	6	75	300	0.065	1.164	2.400	3	3
	Sioux	10	45	0.56	1	50	0.24	2	0	6	50	125	0.060	0.752	1.333	3	3
83D	Sioux	100	45	0.56	1	50	0.24	2	0	15	75	175	0.065	3.386	1.333	2	1
86C	Bottineau	100	45	0.48	3	50	0.28	5	3	9	75	200	0.263	1.659	2.857	3	3
86E	Bottineau	100	45	0.48	3	50	0.28	5	9	25	75	250	1.016	9.313	2.857	2	1
87C	Kelvin	100	45	0.48	3	50	0.28	5	3	9	75	200	0.263	1.659	2.857	3	3
87E	Kelvin	100	45	0.48	3	50	0.28	5	9	25	75	250	1.016	9.313	2.857	2	1
89B	Rolla	100	45	0.86	3	50	0.32	5	0	6	100	300	0.069	1.164	2.500	3	3
90E	Bottineau	55	45	0.48	3	50	0.28	5	9	25	75	150	1.016	7.214	2.857	2	1
	Buse	45	45	0.86	3	50	0.28	5	9	25	50	100	0.829	5.890	2.857	2	1
94C	Metigoshe	90	45	0.86	1	50	0.24	3	3	9	75	200	0.263	1.659	2.000	3	3
	Kelvin	10	45	0.48	3	50	0.28	5	3	9	50	100	0.233	1.173	2.857	3	3
94E	Metigoshe	90	45	0.86	1	50	0.24	3	9	25	75	150	1.016	7.214	2.000	2	1
	Kelvin	10	45	0.48	3	50	0.28	5	9	25	50	100	0.829	5.890	2.857	2	1
97	Aberdeen	50	45	0.48	3	50	0.32	3	0	1	100	300	0.069	0.179	1.500	3	3
	Exline	50	45	0.48	3	50	0.28	3	0	1	100	300	0.069	0.179	1.714	3	3
100	Colvin	100	45	0.86	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
103	Eramosh peat, pd.	100	45	0.86	3	50	0.43	5	0	1	100	300	0.069	0.179	1.860	3	3
104	Parnell, pd	100	45	0.38	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
110	Exline	50	45	0.48	3	50	0.37	3	0	1	100	300	0.069	0.179	1.297	3	3
	Harriet	50	45	0.48	3	50	0.28	3	0	1	100	300	0.069	0.179	1.714	3	3
111	Stirum	100	45	0.86	1	50	0.24	3	0	1	100	300	0.069	0.179	2.000	3	3
116C	Serden	50	45	2.2	1	50	0.15	5	0	9	50	125	0.060	1.311	5.333	3	3
	Hecla	50	45	2.2	1	50	0.15	5	0	6	50	100	0.060	0.672	5.333	3	3