Emmons
North Dakota

8-25-1988

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	Water HEL
Map Symbol	Soil Name	%	Value	Value	Class	Value	Value	Value	Min	Max	Min	Max	Min	Max	8T/RK=	HEL Class	Class
3A	Regan sil	100	0.50	86	1	60	0.32	5	0	1	100	300	0.069	0.179	2.083	3	3
6B	Niobell loam	100	0.50	48	1	60	0.32	3	1	6	50	200	0.105	0.951	1.250	3	3
8A	Heil sil	100	0.50	38	3	60	0.28	3	0	1	100	300	0.069	0.179	1.429	3	3
9A	Tonka sil	100	0.50	48	3	60	0.32	5	0	1	100	300	0.069	0.179	2.083	3	3
10A	Parnell sil	100	0.50	48	3	60	0.28	5	0	1	100	400	0.069	0.195	2.381	3	3
11A	Straw sil chan	100	0.50	56	3	60	0.32	5	0	6	50	150	0.060	0.823	2.083	3	3
12A	Neche varant loam	100	0.50	48	3	60	0.32	5	0	3	100	200	0.069	0.353	2.083	3	3
13A	Arnegard loam	100	0.50	48	3	60	0.28	5	1	3	100	250	0.129	0.378	2.381	3	3
13B	Arnegard loam	100	0.50	48	3	60	0.28	5	3	6	100	200	0.287	0.951	2.381	3	3
15D	Cabba loam	62	0.50	86	1	60	0.37	2	9	15	50	150	0.829	3.135	0.721	1	1
	Amor loam	38	0.50	48	3	60	0.28	4	9	15	50	150	0.829	3.135	1.905	2	1
15E	Cabba loam	70	0.50	86	1	60	0.37	2	15	50	50	150	1.810	21.829	0.721	1	1
	Amor loam	30	0.50	48	3	60	0.28	4	15	50	50	150	1.810	21.829	1.905	2	1
17A	Stady loam	72	0.50	48	3	60	0.28	4	1	3	50	200	0.105	0.353	1.905	3	3
	Lehr loam	28	0.50	56	1	60	0.28	3	1	3	50	200	0.105	0.353	1.429	3	3
17B	Stady loam	65	0.50	48	3	60	0.28	4	3	6	50	200	0.233	0.951	1.905	3	3
	Lehr loam	35	0.50	56	1	60	0.28	3	3	6	50	200	0.233	0.951	1.429	3	3
17C	Stady loam	69	0.50	48	3	60	0.28	4	6	9	50	150	0.475	1.436	1.905	3	3
	Lehr loam	31	0.50	56	1	60	0.28	3	6	9	50	150	0.475	1.436	1.429	2	3
18B	Reeder sil	74	0.50	48	3	60	0.28	4	3	6	50	150	0.233	0.823	1.905	3	3
	Rhoades sil	26	0.50	48	1	60	0.32	3	3	6	50	150	0.233	0.823	1.250	3	3
18C	Reeder sil	67	0.50	48	3	60	0.29	4	6	9	50	150	0.475	1.436	1.905	3	3
	Rhoades sil	33	0.50	48	1	60	0.32	3	6	9	50	150	0.475	1.436	1.250	2	3
19A	Straw sil	100	0.50	56	3	60	0.32	5	1	3	50	250	0.105	0.378	2.083	3	3
21A	Shambo loam	100	0.50	48	3	60	0.28	5	1	3	100	300	0.129	0.399	2.381	3	3
21B	Shambo loam	100	0.50	48	3	60	0.28	5	3	6	100	250	0.287	1.063	2.381	3	3
22A	Belfield sil	78	0.50	48	1	60	0.32	3	1	3	50	150	0.105	0.324	1.250	3	3
	Daglum sil	22	0.50	48	1	60	0.32	3	1	3	50	150	0.105	0.324	1.250	3	3
22B	Belfield sil	78	0.50	48	1	60	0.32	3	3	6	50	150	0.233	0.823	1.250	3	3
	Daglum sil	22	0.50	48	1	60	0.32	3	3	6	50	150	0.233	0.823	1.250	3	3
23D	Vebar fsl	74	0.50	86	1	60	0.2	4	9	15	100	200	1.173	3.620	2.667	2	3
	Cohagen fsl	26	0.50	86	1	60	0.24	2	9	15	100	200	1.173	3.620	1.111	1	1
23E	Vebar fsl	67	0.50	86	1	60	0.2	4	15	50	100	200	2.559	25.206	2.667	2	1
	Cohagen fsl	33	0.50	86	1	60	0.24	2	15	50	100	200	2.559	25.206	1.111	1	1
24A	Grassna sil	100	0.50	48	3	60	0.32	5	1	3	100	300	0.129	0.399	2.083	3	3
24B	Grassna sil	100	0.50	48	3	60	0.32	5	3	6	100	250	0.287	1.063	2.083	3	3
25B	Flaxton fsl	100	0.50	86	1	60	0.2	5	1	6	50	200	0.105	0.951	3.333	3	3
25C	Flaxton fsl	100	0.50	86	1	60	0.2	5	6	9	50	200	0.475	1.659	3.333	3	3
25D	Flaxton fsl	100	0.50	86	1	60	0.2	5	9	15	50	150	0.829	3.135	3.333	3	3
26B	Krem lfs	100	0.50	134	1	60	0.17	5	1	6	100	250	0.129	1.063	3.922	3	3
26C	Krem lfs	100	0.50	134	1	60	0.17	5	6	9	100	200	0.672	1.659	3.922	3	3
28A	Grail sicl	100	0.50	38	3	60	0.32	5	1	3	100	300	0.129	0.399	2.083	3	3
29A	harriet sil	100	0.50	48	1	60	0.37	3	0	1	100	250	0.069	0.170	1.081	3	3
31A	Parnell sicl	100	0.50	38	3	60	0.28	5	0	1	100	350	0.069	0.188	2.381	3	3
32B	Lihen lfs	100	0.50	134	1	60	0.17	5	1	6	50	200	0.105	0.951	3.922	3	3
32C	Lihen lfs	100	0.50	134	1	60	0.17	5	6	9	50	150	0.475	1.436	3.922	3	3
33B	Parshall fsl	72	0.50	86	1	60	0.2	5	1	6	150	30	0.146	1.164	3.333	3	3

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			WIND EROSION			WATER EROSION											Revised
			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
	Lihen fsl	28	0.50	86	1	60	0.17	5	1	6	150	300	0.146	1.164	3.922	3	3
33C	Parshall fsl	60	0.50	86	1	60	0.2	5	6	9	100	250	0.672	1.854	3.333	3	3
	Lihen fsl	40	0.50	86	1	60	0.17	5	6	9	100	250	0.672	1.854	3.922	3	3
35C	Sutley sil	100	0.50	86	1	60	0.32	5	3	9	50	150	0.233	1.436	2.083	3	3
35E	Sutley sil	100	0.50	86	1	60	0.32	5	9	35	50	150	0.829	12.519	2.083	2	1
36B	Bryant sil	100	0.50	48	3	60	0.32	5	3	6	100	350	0.287	1.258	2.083	3	3
36C	Bryant sil	100	0.50	48	3	60	0.32	5	6	6	50	150	0.475	1.436	2.083	3	3
40C	Amor loam	67	0.50	48	3	60	0.28	4	6	6	50	150	0.475	1.436	1.905	3	3
	Cabba loam	33	0.50	86	1	60	0.37	2	6	6	50	150	0.475	1.436	0.721	2	1
40D	Amor loam	67	0.50	48	3	60	0.28	4	9	9	50	150	0.829	3.135	1.905	2	1
	Cabba loam	33	0.50	86	1	60	0.37	2	9	9	50	150	0.829	3.135	0.721	1	1
41A	Reeder loam	100	0.50	48	3	60	0.28	4	1	1	100	250	0.129	0.378	1.905	3	3
41B	Reeder loam	100	0.50	48	3	60	0.28	4	3	3	150	300	0.324	1.164	1.905	3	3
41C	Reeder loam	100	0.50	48	3	60	0.28	4	6	6	100	200	0.672	1.659	1.905	3	3
41D	Reeder loam	100	0.50	48	3	60	0.28	4	9	9	50	150	0.829	3.135	1.905	2	1
43D	Reeder stony loam	100	0.50	48	3	60	0.28	4	1	1	100	250	0.129	4.047	1.905	2	1
44A	Daglum sil	72	0.50	48	1	60	0.32	3	1	1	50	150	0.105	0.324	1.250	3	3
	Rhoades sil	28	0.50	48	1	60	0.32	3	1	1	50	150	0.105	0.324	1.250	3	3
44C	Daglum sil	63	0.50	48	1	60	0.32	3	6	6	50	150	0.475	1.436	1.250	2	3
	Rhoades sil	37	0.50	48	1	60	0.32	3	6	6	50	150	0.475	1.436	1.250	2	3
46B	Regent sicl	72	0.50	38	3	60	0.32	4	3	3	50	200	0.233	0.951	1.667	3	3
	Daglum sicl	28	0.50	48	1	60	0.32	3	3	3	50	200	0.233	0.951	1.250	3	3
46C	Regent sicl	68	0.50	38	3	60	0.32	4	6	6	50	150	0.475	1.436	1.667	3	3
	Daglum sicl	32	0.50	48	1	60	0.32	3	6	6	50	150	0.475	1.436	1.250	2	3
47B	Manning fsl	100	0.50	86	1	60	0.2	4	1	1	100	200	0.129	0.951	2.667	3	3
49B	Telfer lfs	10	0.50	134	1	60	0.17	5	1	1	50	200	0.105	0.951	3.922	3	3
51B	Noonan	100	0.50	48	1	60	0.32	3	1	1	50	200	0.105	0.951	1.250	3	3
53A	Bearpaw sil	100	0.50	56	3	60	0.37	5	1	1	10	400	0.129	0.435	1.802	3	3
53B	Bearpaw sil	100	0.50	56	3	60	0.37	5	3	3	100	400	0.287	1.344	1.802	3	3
53C	Bearpaw sil	100	0.50	56	3	60	0.37	5	6	6	100	300	0.672	2.031	1.802	2	3
54A	Regent sicl	100	0.50	38	3	60	0.32	4	1	1	100	300	0.129	0.399	1.667	3	3
54B	Regent sicl	100	0.50	38	3	60	0.32	4	3	3	100	250	0.287	1.063	1.667	3	3
54C	Regent sicl	100	0.50	38	3	60	0.32	4	6	6	100	200	0.672	1.659	1.667	3	3
54D	Regent sicl	100	0.50	38	3	60	0.32	4	9	9	50	200	0.829	3.620	1.667	2	1
55C	Rhoades cl	100	0.50	48	1	60	0.32	3	1	1	50	150	0.105	1.436	1.250	2	3
58A	Bowdle loam	100	0.50	48	3	60	0.28	4	1	1	100	250	0.129	0.378	1.905	3	3
58B	Bowdle loam	100	0.50	48	3	60	0.28	4	3	3	100	200	0.287	0.951	1.905	3	3
60B	Farland sil	100	0.50	48	3	60	0.32	5	1	1	50	200	0.105	0.951	2.083	3	3
62A	Amor loam	100	0.50	48	3	60	0.28	4	1	1	100	300	0.129	0.399	1.905	3	3
62B	Amor loam	100	0.50	48	3	60	0.28	4	3	3	100	250	0.287	1.063	1.905	3	3
62C	Amor loam	100	0.50	48	3	60	0.28	4	6	6	100	200	0.672	1.659	1.905	3	3
62D	Amor loam	100	0.50	48	3	60	0.28	4	9	9	50	150	0.829	3.135	1.905	2	1
63D	Wabek loam	100	0.50	56	1	60	0.28	2	6	6	100	300	0.672	4.433	0.952	2	1
64A	Wilton sil	100	0.50	48	3	60	0.28	5	1	1	100	300	0.129	0.399	2.381	3	3
64B	Temvik sil	100	0.50	48	3	60	0.32	5	3	3	100	250	0.287	1.063	2.083	3	3
64C	Temvik sil	100	0.50	48	3	60	0.32	5	6	6	100	200	0.672	1.659	2.083	3	3
66C	Seroco fs	100	0.50	220	1	60	0.15	5	1	1	25	100	0.085	1.173	4.444	3	3

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			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
66E	Seroco fs	100	0.50	220	1	60	0.15	5	3	3	25	75	0.189	8.852	4.444	2	1
67B	Vebar fsl	100	0.50	86	1	60	0.2	4	1	1	100	300	0.129	1.164	2.667	3	3
67C	Vebar fsl	100	0.50	86	1	60	0.2	4	6	6	50	200	0.475	1.659	2.667	3	3
67D	Vebar fsl	100	0.50	86	1	60	0.2	4	9	9	50	150	0.829	3.135	2.667	2	3
70A	Williams loam	70	0.50	48	3	60	0.28	5	1	1	100	250	0.129	0.378	2.381	3	3
	Bowbells loam	30	0.50	48	3	60	0.28	5	1	1	100	250	0.129	0.378	2.381	3	3
70B	williams loam	63	0.50	48	3	60	0.28	5	3	3	100	200	0.287	0.951	2.381	3	3
	Bowbells loam	37	0.50	48	3	60	0.28	5	3	3	100	200	0.287	0.951	2.381	3	3
70C	Williams loam	100	0.50	48	3	60	0.28	5	6	6	50	150	0.475	1.436	2.381	3	3
72A	williams loam	83	0.50	48	3	60	0.28	5	1	1	100	250	0.129	0.378	2.381	3	3
	Reeder loam	17	0.50	48	3	60	0.28	4	1	1	100	250	0.129	0.378	1.905	3	3
72B	Williams loam	78	0.50	48	3	60	0.28	5	3	3	100	200	0.287	0.951	2.381	3	3
	Reeder loam	23	0.50	48	3	60	0.28	4	3	3	100	200	0.287	0.951	1.905	3	3
72C	Williams loam	72	0.50	48	3	60	0.28	5	6	6	50	150	0.475	1.436	2.381	3	3
	Reeder loam	28	0.50	48	3	60	0.28	4	6	6	50	150	0.475	1.436	1.905	3	3
73C	Williams loam	68	0.50	48	3	60	0.28	5	6	6	50	150	0.475	1.436	2.381	3	3
	Zahl loam	32	0.50	86	1	60	0.28	5	6	6	50	150	0.475	1.436	2.381	3	3
73E	Williams loam	58	0.50	48	3	60	0.28	5	9	9	50	150	0.829	7.214	2.381	2	1
	Zahl loam	42	0.50	86	1	60	0.28	5	9	9	50	150	0.829	7.214	2.381	2	1
79D	Telfer lfs	72	0.50	134	1	60	0.17	5	6	6	50	200	0.475	3.620	3.922	3	3
	Flasher lfs	28	0.50	134	1	60	0.17	2	6	6	50	200	0.475	3.620	1.569	2	1
79E	Flasher lfs	68	0.50	134	1	60	0.17	2	15	15	50	150	1.810	12.519	1.569	1	1
	Telfer lfs	33	0.50	134	1	60	0.17	5	15	15	50	150	1.810	12.519	3.922	2	1
82A	Arveson loam	100	0.50	86	1	60	0.24	4	0	0	50	200	0.060	0.159	2.222	3	3
84A	Havrelon var. sil	100	0.50	86	1	60	0.32	5	0	0	50	200	0.060	0.353	2.083	3	3
85A	Hamerly loam	100	0.50	86	1	60	0.28	5	1	1	25	150	0.085	0.324	2.381	3	3
88A	Lallie sil	100	0.50	48	3	60	0.37	5	0	0	100	300	0.069	0.399	1.802	3	3
93B	Ekalaka fsl	100	0.50	86	1	60	0.24	3	1	1	50	150	0.105	0.823	1.667	3	3
98A	Banks variant vfsl	100	0.50	56	3	60	0.24	5	0	0	50	150	0.060	0.324	2.778	3	3
162A	Omio sil	78	0.50	48	3	60	0.32	4	0	0	100	200	0.069	0.353	1.667	3	3
	Grassna sil	22	0.50	48	3	60	0.32	5	0	0	100	200	0.069	0.353	2.083	3	3
162B	Omio sil	72	0.50	48	3	60	0.32	4	3	3	100	300	0.287	1.164	1.667	3	3
	Amor sil	28	0.50	48	3	60	0.28	4	3	3	100	300	0.287	1.164	1.905	3	3
162C	Omio sil	68	0.50	48	3	60	0.32	4	6	6	100	250	0.672	1.854	1.667	2	3
	Amor sil	33	0.50	48	3	60	0.28	4	6	6	100	250	0.672	1.854	1.905	3	3
164A	Williams loam	61	0.50	48	3	60	0.28	5	1	1	100	250	0.129	0.378	2.381	3	3
	Falkirk loam	39	0.50	48	3	60	0.28	5	1	1	100	250	0.129	0.378	2.381	3	3
164B	Williams loam	70	0.50	48	3	60	0.28	5	3	3	100	200	0.287	0.951	2.381	3	3
	Falkirk loam	30	0.50	48	3	60	0.28	5	3	3	100	200	0.287	0.951	2.381	3	3