Sheridan
North Dakota

Revised 3/4/91

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
2A	Marysland l	100	0.50	86	1	55	0.28	4	0	1	100	300	0.069	0.179	2.078	3	3
6A	Harriet sil	100	0.50	48	1	55	0.37	3	0	1	100	250	0.069	0.170	1.179	3	3
7A	Fossum ls	100	0.50	134	1	55	0.17	5	0	1	50	250	0.060	0.170	4.278	3	3
10A	Southam sic, po.	100	0.50	38	3	55	0.28	5	0	1	100	300	0.069	0.179	2.597	3	3
11A	Parnell sil	100	0.50	48	3	55	0.28	5	0	1	100	300	0.069	0.179	2.597	3	3
12A	Parnell sil	55	0.50	48	3	55	0.28	5	0	1	100	300	0.069	0.179	2.597	3	3
	Vallers l	45	0.50	86	1	55	0.28	5	0	3	50	300	0.060	0.399	2.597	3	3
15A	Divide loam	100	0.50	86	1	55	0.28	4	0	3	50	200	0.060	0.353	2.078	3	3
18A	Fram l saline	50	0.50	86	1	55	0.28	5	0	3	100	200	0.069	0.353	2.597	3	3
	Vallers l saline	50	0.50	86	1	55	0.28	5	0	3	100	200	0.069	0.353	2.597	3	3
19A	Tonka sil	100	0.50	48	3	55	0.32	5	0	1	100	300	0.069	0.179	2.273	3	3
23	Marysland l, chan.	100	0.50	86	1	55	0.28	4	0	3	25	200	0.053	0.353	2.078	3	3
24C	Barnes loam	56	0.50	48	3	55	0.28	5	6	9	50	150	0.475	1.436	2.597	3	3
	Buse loam	44	0.50	86	1	55	0.28	5	6	9	50	150	0.475	1.436	2.597	3	3
26B	Barnes loam	65	0.50	48	3	55	0.28	5	1	6	50	200	0.105	0.951	2.597	3	3
	Cresbard l	35	0.50	48	1	55	0.32	3	1	6	50	200	0.105	0.951	1.364	3	3
30A	Svea l	58	0.50	48	3	55	0.28	5	0	3	50	200	0.060	0.353	2.597	3	3
	Barnes loam	44	0.50	48	3	55	0.28	5	0	3	50	200	0.060	0.353	2.597	3	3
30B	Barnes loam	60	0.50	48	3	55	0.28	5	3	6	50	150	0.233	0.823	2.597	3	3
	Svea loam	40	0.50	48	3	55	0.28	5	3	6	50	150	0.233	0.823	2.597	3	3
32C	Barnes loam	40	0.50	48	3	55	0.28	5	1	9	50	150	0.105	1.436	2.597	3	3
	Buse loam	30	0.50	86	1	55	0.28	5	1	9	50	150	0.105	1.436	2.597	3	3
	Parnell sil	20	0.50	48	3	55	0.28	5	0	1	50	150	0.060	0.146	2.597	3	3
32F	Buse loam	47	0.50	86	1	55	0.28	5	0	35	50	200	0.060	14.456	2.597	2	1
	Barnes loam	37	0.50	48	3	55	0.28	5	0	35	50	200	0.060	14.456	2.597	2	1
	Parnell	16	0.50	48	3	55	0.28	5	0	1	50	200	0.060	0.159	2.597	3	3
35B	Overly sicl	100	0.50	38	3	55	0.32	5	0	6	50	200	0.060	0.951	2.273	3	3
36D	Buse loam	65	0.50	86	1	55	0.28	5	9	15	50	150	0.829	3.135	2.597	2	3
	Barnes loam	35	0.50	48	3	55	0.28	5	9	15	50	150	0.829	3.135	2.597	2	3
36F	Buse loam	58	0.50	86	1	55	0.28	5	15	35	50	100	1.810	10.222	2.597	2	1
	Barnes loam	42	0.50	48	3	55	0.28	5	15	35	50	100	1.810	10.222	2.597	2	1
37B	Cresbard l	50	0.50	48	1	55	0.32	3	0	6	50	150	0.060	0.823	1.364	3	3
	Cavour l	50	0.50	48	1	55	0.37	3	0	6	50	150	0.060	0.823	1.179	3	3
38A	Miranda l	45	0.50	48	1	55	0.32	3	0	3	50	150	0.060	0.324	1.364	3	3
40F	Orthents l	100	0.50	86		55	0.28						0.000	0.000	ERROR	ERROR	ERROR
41C	Towner lfs	40	0.50	134	1	55	0.17	5	1	9	50	200	0.105	1.659	4.278	3	3
	Maddock lfs	35	0.50	134	1	55	0.17	5	1	9	50	200	0.105	1.659	4.278	3	3
	Buse l	20	0.50	86	1	55	0.28	5	1	9	50	200	0.105	1.659	2.597	3	3
41E	Towner lfs	35	0.50	134	1	55	0.17	5	9	25	50	150	0.829	7.214	4.278	2	3
	Buse l	35	0.50	86	1	55	0.28	5	9	25	50	150	0.829	7.214	2.597	2	1
	Maddock lfs	20	0.50	134	1	55	0.17	5	9	25	50	150	0.829	7.214	4.278	2	3
42B	Towner lfs	45	0.50	134	1	55	0.17	5	1	6	50	150	0.105	0.823	4.278	3	3
44B	Swenoda s	100	0.50	86	1	55	0.2	5	0	6	50	150	0.060	0.823	3.636	3	3
45B	Cathay l	65	0.50	48	1	55	0.32	3	0	6	100	200	0.069	0.951	1.364	3	3
	Emrick l	35	0.50	56	3	55	0.28	5	0	6	100	200	0.069	0.951	2.597	3	3
46	Larson l	65	0.50	56	1	55	0.32	3	0	3	50	200	0.060	0.353	1.364	3	3
	Cathay l	35	0.50	48	1	55	0.32	3	0	3	50	200	0.060	0.353	1.364	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
53B	Renshaw loam	100	0.50	48	1	55	0.28	3	0	6	50	200	0.060	0.951	1.558	3	3
54B	Arvilla sl	100	0.50	86	1	55	0.2	3	0	6	50	200	0.060	0.951	2.182	3	3
57	Hamerly l	70	0.50	86	1	55	0.28	5	0	3	50	150	0.060	0.324	2.597	3	3
	Tonka l	30	0.50	48	3	55	0.32	5	0	3	50	150	0.060	0.324	2.273	3	3
62A	Heimdal loam	55	0.50	56	3	55	0.28	5	0	3	100	200	0.069	0.353	2.597	3	3
	Emrick loam	45	0.50	56	3	55	0.28	5	0	3	100	200	0.069	0.353	2.597	3	3
62B	Heimdal loam	55	0.50	56	3	55	0.28	5	3	6	100	200	0.287	0.951	2.597	3	3
	Emrick loam	45	0.50	56	3	55	0.28	5	3	6	100	200	0.287	0.951	2.597	3	3
63D	Esmond l	55	0.50	86	1	55	0.28	5	9	15	50	150	0.829	3.135	2.597	2	3
	Heimdal l	45	0.50	56	3	55	0.28	5	9	15	50	150	0.829	3.135	2.597	2	3
63F	Esmond l	77	0.50	86	1	55	0.28	5	15	35	50	150	1.810	12.519	2.597	2	1
	Heimdal l	23	0.50	56	3	55	0.28	5	15	35	50	150	1.810	12.519	2.597	2	1
64C	Heimdal l	60	0.50	56	3	55	0.28	5	6	9	50	150	0.475	1.436	2.597	3	3
	Esmond l	30	0.50	86	1	55	0.28	5	6	9	50	150	0.475	1.436	2.597	3	3
65B	Maddock lfs	100	0.50	134	1	55	0.17	5	3	6	50	150	0.233	0.823	4.278	3	3
67B	Lehr loam	100	0.50	56	1	55	0.28	3	0	6	50	200	0.060	0.951	1.558	3	3
73D	Zahl loam	65	0.50	86	1	55	0.28	5	9	15	50	150	0.829	3.135	2.597	2	3
	Williams loam	35	0.50	48	3	55	0.28	5	9	15	50	150	0.829	3.135	2.597	2	3
73F	Zahl loam	75	0.50	86	1	55	0.28	5	15	35	50	150	1.810	12.519	2.597	2	1
	Williams loam	25	0.50	48	3	55	0.28	5	15	35	50	150	1.810	12.519	2.597	2	1
74A	Fram loam	100	0.50	86	1	55	0.28	5	0	3	50	150	0.060	0.324	2.597	3	3
75A	Fram l	55	0.50	86	1	55	0.28	5	0	3	50	150	0.060	0.324	2.597	3	3
	Tonka sil	35	0.50	48	3	55	0.32	5	0	3	50	150	0.060	0.324	2.273	3	3
76C	Sioux loam	50	0.50	56	1	55	0.28	2	1	9	50	150	0.105	1.436	1.039	2	3
	Arvilla sl	50	0.50	86	1	55	0.2	3	3	9	50	200	0.233	1.659	2.182	3	3
77B	Nutley sic	100	0.50	86	1	55	0.28	5	0	6	100	200	0.069	0.951	2.597	3	3
79F	Arvilla sl	50	0.50	86	1	55	0.2	3	9	35	50	150	0.829	12.519	2.182	2	1
	Sioux grl	50	0.50	35	1	55	0.28	2	9	35	50	150	0.829	12.519	1.039	2	1
81C	Wabek sl	100	0.50	86	1	55	0.2	2	1	9	50	200	0.105	1.659	1.455	2	3
81F	Wabek sl	100	0.50	86	1	55	0.2	2	9	35	50	200	0.829	14.456	1.455	2	1
83B	Williams loam	55	0.50	48	3	55	0.28	5	3	6	50	250	0.233	1.063	2.597	3	3
	Bowbells loam	45	0.50	48	3	55	0.28	5	3	6	50	250	0.233	1.063	2.597	3	3
86C	Williams loam	55	0.50	48	3	55	0.28	5	6	9	50	200	0.475	1.659	2.597	3	3
	Zahl loam	45	0.50	86	1	55	0.28	5	6	9	50	200	0.475	1.659	2.597	3	3
95A	Pits, gravel	100	0.50	86		55							0.000	0.000	ERROR	ERROR	ERROR
99C	Williams l	40	0.50	48	3	55	0.28	5	1	9	50	150	0.105	1.436	2.597	3	3
	Zahl l	30	0.50	86	1	55	0.28	5	1	9	50	150	0.105	1.436	2.597	3	3
	Parnell sil	20	0.50	48	3	55	0.28	5	0	1	50	200	0.060	0.159	2.597	3	3
99F	Zahl loam	50	0.50	86	1	55	0.28	5	0	35	50	200	0.060	14.456	2.597	2	1
	Williams loam	35	0.50	48	3	55	0.28	5	0	35	50	200	0.060	14.456	2.597	2	1
	Parnell	15	0.50	48	3	55	0.28	5	0	1	50	200	0.060	0.159	2.597	3	3