

Barnes  
North Dakota

2-3-1998

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

Map Symbol	Soil Name	%	WIND EROSION					WATER EROSION						Revised Water			
			C Value	I Value	HEL Class	R Value	K Value	T Value	Slope- -Percent		Slope- -Length		LS- -Value		Water HEL Class	Water HEL Class	
2	Tonka sil	100	0.40	48	3	70	0.32	5	0	1	50	100	0.060	0.129	1.786	3	3
3	Parnell sicl	100	0.40	38	3	70	0.28	5	0	1	50	100	0.060	0.129	2.041	3	3
6	Southam sicl	100	0.40	38	3	70	0.37	5	0	1	50	100	0.060	0.129	1.544	3	3
9	Nutley sic	100	0.40	86	3	70	0.28	5	0	2	50	100	0.060	0.201	2.041	3	3
9B	Nutley sic	100	0.40	86	3	70	0.28	5	2	6	75	150	0.184	0.823	2.041	3	3
9D	Nutley sic	100	0.40	86	3	70	0.28	5	6	15	100	250	0.672	4.047	2.041	2	1
12	Lismore sicl	60	0.40	38	3	70	0.28	5	0	2	50	100	0.060	0.201	2.041	3	3
	Kranzburg sicl	40	0.40	38	3	70	0.32	5	0	2	50	100	0.060	0.201	1.786	3	3
13B	Kranzburg sicl	65	0.40	38	3	70	0.32	5	2	6	75	150	0.184	0.823	1.786	3	3
	Lismore sicl	35	0.40	38	3	70	0.28	5	2	6	75	150	0.184	0.823	2.041	3	3
14B	Barnes I	65	0.40	48	3	70	0.28	5	3	6	75	150	0.263	0.823	2.041	3	3
	Buse I	35	0.40	86	3	70	0.28	5	3	6	75	150	0.263	0.823	2.041	3	3
14C	Barnes I	60	0.40	48	3	70	0.28	5	6	9	75	150	0.582	1.436	2.041	3	3
	Buse I	40	0.40	86	3	70	0.28	5	6	9	75	150	0.582	1.436	2.041	3	3
14D	Barnes I	65	0.40	48	3	70	0.28	5	9	15	100	300	1.173	4.433	2.041	2	1
	Buse I	35	0.40	86	3	70	0.28	5	9	15	100	300	1.173	4.433	2.041	2	1
15	Swenoda fsl	65	0.40	86	3	70	0.2	5	0	2	50	100	0.060	0.201	2.857	3	3
	Lanona fsl	35	0.40	86	3	70	0.2	5	0	2	50	100	0.060	0.201	2.857	3	3
15B	Lanona fsl	60	0.40	86	3	70	0.2	5	2	6	50	150	0.163	0.823	2.857	3	3
	Swenoda fsl	40	0.40	86	3	70	0.2	5	2	6	50	150	0.163	0.823	2.857	3	3
15C	Lanona fsl	100	0.40	86	3	70	0.2	5	6	9	75	150	0.582	1.436	2.857	3	3
16B	Barnes I	70	0.40	48	3	70	0.28	5	1	6	75	150	0.118	0.823	2.041	3	3
	Sioux I	30	0.40	56	1	70	0.28	2	1	6	75	150	0.118	0.823	0.816	2	3
16C	Barnes I	65	0.40	48	3	70	0.28	5	6	9	75	150	0.582	1.436	2.041	3	3
	Sioux I	35	0.40	56	1	70	0.28	2	6	9	75	150	0.582	1.436	0.816	2	1
16E	Barnes I	65	0.40	48	3	70	0.28	5	9	25	100	300	1.173	10.202	2.041	2	1
	Sioux I	35	0.40	56	1	70	0.28	2	9	25	100	300	1.173	10.202	0.816	1	1
17B	Barnes I	65	0.40	48	3	70	0.28	5	2	6	75	150	..184	0.823	2.041	3	3
	Svea I	35	0.40	48	3	70	0.28	5	2	6	75	150	0.184	0.823	2.041	3	3
18	Bearden sicl	100	0.40	86	3	70	0.28	5	0	1	50	100	0.060	0.129	2.041	3	3
19	Colvin sicl, saline	100	0.40	86	3	70	0.32	5	0	1	50	100	0.060	0.129	1.786	3	3
23F	Buse I	65	0.40	86	3	70	0.28	5	15	35	100	400	2.559	20.444	2.041	1	1
	Barnes I	35	0.40	48	3	70	0.28	5	15	35	100	400	2.559	20.444	2.041	1	1
26	Colvin sicl, saline	100	0.40	86	3	70	0.32	5	0	1	50	100	0.060	0.129	1.786	3	3
27	Divide I	100	0.40	86	1	70	0.28	4	0	1	50	100	0.060	0.129	1.633	3	3
31B	Egeland fsl	100	0.40	86	3	70	0.2	5	1	6	75	150	0.118	0.823	2.857	3	3
36	Fargo sic	100	0.40	86	3	70	0.32	5	0	1	50	100	0.060	0.129	1.786	3	3
40B	Gardena sil	60	0.40	56	3	70	0.28	5	3	6	75	150	0.263	0.823	2.041	3	3
	Zell sil	40	0.40	86	3	70	0.32	5	3	6	75	150	0.263	0.823	1.786	3	3
40C	Zell sil	100	0.40	86	3	70	0.32	5	6	9	75	150	0.582	1.436	1.786	3	3
40E	Zell sil	100	0.40	86	3	70	0.32	5	9	25	100	350	1.173	11.019	1.786	2	1
43	Gardena sil	100	0.40	56	3	70	0.28	5	0	1	50	100	0.060	0.129	2.041	3	3
46	Gardena sil	65	0.40	56	3	70	0.28	5	0	3	50	100	0.060	0.287	2.041	3	3
	Glyndon sil	35	0.40	86	3	70	0.28	5	0	3	50	100	0.060	0.287	2.041	3	3
48	Glyndon sil	100	0.40	86	3	70	0.28	5	0	1	50	100	0.060	0.129	2.041	3	3
49	Glyndon sil, saline	100	0.40	86	3	70	0.28	5	0	3	50	100	0.060	0.287	2.041	3	3
50	Hamerly I	70	0.40	86	3	70	0.28	5	0	3	50	100	0.060	0.287	2.041	3	3

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			C Value	I Value	HEL Class	R Value	K Value	T Value	Slope- -Percent		Slope- -Length		LS- -Value		Water HEL Class	Water HEL Class		
	Tonka sil	30	0.40	48	3	70	0.32	5	0		3	50	100	0.060	0.287	1.786	3	3
54	Lamoure sil, channeled	100	0.40	86	3	70	0.28	5	0		1	50	100	0.060	0.129	2.041	3	3
56	LaDelle sicl	100	0.40	38	3	70	0.28	5	0		1	50	100	0.060	0.129	2.041	3	3
62	Overly sicl	65	0.40	38	3	70	0.32	5	0		1	50	100	0.060	0.129	1.786	3	3
	Bearden sicl	35	0.40	86	3	70	0.28	5	0		1	50	100	0.060	0.129	2.041	3	3
63	Renshaw I	100	0.40	48	3	70	0.28	3	0		2	50	100	0.060	0.201	1.224	3	3
65	Svea I	65	0.40	48	3	70	0.28	5	0		2	50	100	0.060	0.201	2.041	3	3
	Barnes I	35	0.40	48	3	70	0.28	5	0		2	50	100	0.060	0.201	2.041	3	3
66	Hamerly I	65	0.40	86	3	70	0.28	5	0		3	50	100	0.060	0.287	2.041	3	3
	Wyard I	35	0.40	48	3	70	0.28	5	0		3	50	100	0.060	0.287	2.041	3	3
66B	Hamerly I	100	0.40	86	3	70	0.28	5	3		6	75	150	0.263	0.823	2.041	3	3
67C	Renshaw I	70	0.40	48	3	70	0.28	3	2		9	50	200	0.163	1.659	1.224	2	3
	Sioux I	30	0.40	56	1	70	0.28	2	2		9	50	200	0.163	1.659	0.816	2	1
68E	Sioux I	65	0.40	56	1	70	0.28	2	9		25	100	350	1.173	11.019	0.816	1	1
	Renshaw I	35	0.40	48	3	70	0.28	3	9		25	100	350	1.173	11.019	1.224	2	1
71	Vallers I	65	0.40	86	3	70	0.28	5	0		1	50	100	0.060	0.129	2.041	3	3
	Parnell sicl	35	0.40	38	3	70	0.28	5	0		1	50	100	0.060	0.129	2.041	3	3
77	Vallers I, saline	100	0.40	86	3	70	0.28	5	0		1	50	100	0.060	0.129	2.041	3	3
80	Marysland I	100	0.40	86	1	70	0.28	4	0		2	50	100	0.060	0.201	1.633	3	3
81B	Edgeley I	100	0.40	48	3	70	0.28	4	2		6	75	150	0.184	0.823	1.633	3	3
82	Sinai sicl	100	0.40	38	3	70	0.28	5	0		2	50	100	0.060	0.201	2.041	3	3
82B	Sinai sicl	100	0.40	38	3	70	0.28	5	2		6	50	150	0.163	0.823	2.041	3	3
83F	Koten sicl	65	0.40	86	1	70	0.32	2	9		35	100	500	1.173	22.857	0.714	1	1
	Buse I	35	0.40	86	3	70	0.28	5	9		35	100	500	1.173	22.857	2.041	2	1
84	Easby I	100	0.40	86	3	70	0.28	5	0		1	50	100	0.060	0.129	2.041	3	3
85	Exline sicl	100	0.40	38	3	70	0.28	3	0		1	50	100	0.060	0.129	1.224	3	3
86	Overly sil	65	0.40	48	3	70	0.32	5	0		1	50	100	0.060	0.129	1.786	3	3
	Nahon sil	35	0.40	48	3	70	0.28	3	0		1	50	100	0.060	0.129	1.224	3	3
87	Svea I	65	0.40	48	3	70	0.28	5	0		3	50	100	0.060	0.287	2.041	3	3
	Cavour I	35	0.40	48	3	70	0.37	3	0		3	50	100	0.060	0.287	0.927	3	3
88	Manfred ext stny sil	50	0.40	0	3	70	0.32	3	0		1	50	100	0.060	0.129	1.071	3	3
	Vallers ext stny I	50	0.40	0	3	70	0.28	5	0		1	50	100	0.060	0.129	2.041	3	3
89	Fordville I	100	0.40	48	3	70	0.24	4	0		3	50	100	0.060	0.287	1.905	3	3
90	Dovray sic	100	0.40	86	3	70	0.28	5	0		1	50	100	0.060	0.129	2.041	3	3
91	Arveson I	100	0.40	86	1	70	0.24	4	0		1	50	100	0.060	0.129	1.905	3	3
92B	Barnes I	65	0.40	48	3	70	0.28	5	3		6	75	150	0.263	0.823	2.041	3	3
	Cavour I	35	0.40	48	3	70	0.37	3	3		6	75	150	0.263	0.823	0.927	3	3
98B	Barnes ext stny I	55	0.40	0	3	70	0.28	5	0		6	75	150	0.065	0.823	2.041	3	3
	Svea ext stny I	45	0.40	0	3	70	0.28	5	0		6	75	150	0.065	0.823	2.041	3	3