

Morton  
North Dakota

01/27/92

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 Slope- Value Min	-Percent Slope- Max Min	-Length Max	LS- Min	-Value Max	8T/RK=	Water HEL Class	Class
1	Tonka	90	0.50	48	3	50	0.32	5 0	1 25	100	0.053	0.129	2.500	3	3
3	Velva	90	0.50	86	1	50	0.20	5 1	3 25	100	0.085	0.287	4.000	3	3
4	Lallie	90	0.50	86	1	50	0.37	5 1	2 25	100	0.085	0.201	2.162	3	3
5	Dimmick	90	0.50	86	1	50	0.28	5 1	3 25	100	0.085	0.287	2.857	3	3
6	Heil	90	0.50	48	1	50	0.28	3 1	3 25	100	0.085	0.287	1.714	3	3
7	Korell	90	0.50	56	3	50	0.28	5 1	3 50	300	0.105	0.399	2.857	3	3
8	Straw	90	0.50	56	3	50	0.32	5 1	3 50	300	0.105	0.399	2.500	3	3
9	Straw	50	0.50	56	3	50	0.32	5 1	3 50	300	0.105	0.399	2.500	3	3
	Velva	50	0.50	86	3	50	0.32	5 1	3 50	300	0.105	0.399	2.500	3	3
10	Arnegard	90	0.50	48	3	50	0.28	5 1	3 50	700	0.105	0.514	2.857	3	3
10B	Arnegard	90	0.50	48	3	50	0.28	5 3	6 50	500	0.233	1.503	2.857	3	3
11	Amor	90	0.50	48	3	50	0.28	4 1	3 50	400	0.105	0.435	2.286	3	3
11B	Amor	90	0.50	48	3	50	0.28	4 3	6 50	400	0.233	1.344	2.286	3	3
12C	Amor	70	0.50	48	1	50	0.28	4 6	9 50	300	0.475	2.031	2.286	3	3
	Cabba	30	0.50	86	1	50	0.37	2 6	9 50	300	0.475	2.031	0.865	2	3
13D	Amor	60	0.50	48	1	50	0.28	4 9	15 50	300	0.829	4.433	2.286	2	1
	Cabba	40	0.50	86	1	50	0.37	2 9	15 50	300	0.829	4.433	0.865	2	1
15B	Chama	70	0.50	86	1	50	0.32	4 3	6 50	300	0.233	1.164	2.000	3	3
	Cabba	30	0.50	86	1	50	0.37	2 3	6 50	300	0.233	1.164	0.865	2	3
15C	Chama	65	0.50	86	1	50	0.32	4 6	9 50	300	0.475	2.031	2.000	2	1
	Cabba	35	0.50	86	1	50	0.32	2 6	9 50	300	0.475	2.031	0.865	2	1
15D	Cabba	50	0.50	86	1	50	0.37	2 9	15 50	300	0.829	4.433	0.865	2	1
	Chama	50	0.50	86	1	50	0.32	4 9	15 50	300	0.829	4.433	2.000	2	1
15F	Cabba	60	0.50	86	1	50	0.37	2 15	35 50	300	1.810	17.705	0.865	1	1
	Chama	40	0.50	86	1	50	0.32	4 15	35 50	300	1.810	14.705	2.000	2	1
16D	Daglum	40	0.50	48	1	50	0.32	3 6	15 50	300	0.475	4.433	1.500	2	1
	Ringling	35	0.50	56	1	50	0.17	2 6	15 50	300	0.475	4.433	1.882	2	1
	Cabba	25	0.50	86	1	50	0.37	2 6	15 50	300	0.475	4.433	0.865	2	1
16F	Cabba	40	0.50	86	1	50	0.32	2 15	45 50	300	1.810	26.327	1.000	2	1
	Ringling	35	0.50	56	1	50	0.17	2 15	45 50	300	1.810	26.327	1.882	2	1
	Savage	25	0.50	56	1	50	0.37	5 10	45 50	300	0.968	26.327	2.162	2	1
17	Sen	90	0.50	48	3	50	0.32	4 1	3 50	400	0.105	0.435	2.000	3	3
17B	Sen	65	0.50	48	3	50	0.32	4 3	6 50	400	0.233	1.344	2.000	3	3
	Chama	35	0.50	86	3	50	0.32	4 3	6 50	400	0.233	1.344	2.000	3	3
18	Reeder	85	0.50	48	3	50	0.28	4 1	3 50	400	0.105	0.435	2.286	3	3
18B	Reeder	85	0.50	48	3	50	0.28	4 3	6 50	400	0.233	1.344	2.286	3	3
19	Farnuf	85	0.50	48	3	50	0.28	5 1	3 50	400	0.105	0.435	2.857	3	3
19B	Farnuf	85	0.50	48	3	50	0.28	5 3	6 50	400	0.233	1.344	2.857	3	3
19C	Farnuf	85	0.50	48	3	50	0.28	5 6	9 50	400	0.475	2.346	2.857	3	3
19D	Farland	85	0.50	48	3	50	0.32	5 9	15 150	500	1.436	5.723	2.500	2	1
20	Shambo	85	0.50	48	3	50	0.28	5 1	3 50	400	0.105	0.435	2.857	3	3
20B	Shambo	85	0.50	48	3	50	0.28	5 3	6 50	400	0.233	1.344	2.857	3	3
20C	Shambo	85	0.50	48	3	50	0.28	5 6	9 50	400	0.475	2.346	2.857	3	3
21	Morton	85	0.50	48	3	50	0.32	4 1	3 100	400	0.129	0.435	2.000	3	3
21B	Morton	85	0.50	48	3	50	0.32	4 3	6 100	400	0.287	1.344	2.000	3	3
22F	Cabba	60	0.50	86	1	50	0.37	2 15	75 50	250	1.810	48.894	0.865	1	1
	Chama	20	0.50	86	1	50	0.32	4 15	75 50	250	1.810	48.894	2.000	2	1

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Map Symbol	Soil Name	WIND EROSION					WATER EROSION					Revised Water				
		%	C Value	I Value	HEL Class	R Value	K Value	T Slope- Value Min	-Percent Slope- Max Min	-Length- Max	LS- Min	-Value Max	8T/RK=	Water HEL Class	HEL Class	
	Rock Outcrop	20	0.50	56	1	50	0.37	2 15	75 50	0.865	200	1.810	43.732	0.865	1	1
23C	Morton	70	0.50	48	1	50	0.32	4 6	9 50	300	0.475	2.031	2.000	2	3	
	Cabba	30	0.50	86	1	50	0.37	2 6	9 50	300	0.475	2.031	0.865	2	3	
26	Grail	85	0.50	38	3	50	0.32	5 1	3 50	400	0.105	0.435	2.500	3	3	
27	Grail	60	0.50	38	3	50	0.32	5 1	3 50	400	0.105	0.435	2.500	3	3	
	Belfield	40	0.50	38	3	50	0.32	3 1	3 50	400	0.105	0.435	1.500	3	3	
27B	Grail	45	0.50	38	3	50	0.32	5 3	6 50	400	0.233	1.344	2.500	3	3	
	Belfield	55	0.50	38	3	50	0.32	3 3	6 50	400	0.233	1.344	1.500	3	3	
28	Daglum	40	0.50	48	1	50	0.32	3 1	3 50	400	0.105	0.435	1.500	3	3	
	Belfield	60	0.50	48	1	50	0.32	3 1	3 50	400	0.105	0.435	1.500	3	3	
28B	Belfield	45	0.50	48	1	50	0.32	3 3	6 50	400	0.233	1.344	1.500	3	3	
	Daglum	55	0.50	48	1	50	0.32	3 3	6 50	400	0.233	1.344	1.500	3	3	
29	Savage	85	0.50	38	3	50	0.37	5 1	3 50	700	0.105	5.140	2.162	3	3	
29B	Savage	85	0.50	38	3	50	0.37	5 3	6 50	500	0.233	1.503	2.162	3	3	
29C	Savage	90	0.50	38	3	50	0.37	5 6	9 50	400	0.475	2.346	2.162	2	3	
30	Regent	85	0.50	38	3	50	0.32	4 1	3 50	500	0.105	0.465	2.000	3	3	
30B	Regent	85	0.50	38	3	50	0.32	4 3	6 50	500	0.233	1.503	2.000	3	3	
30C	Regent	85	0.50	38	3	50	0.32	4 6	9 50	500	0.475	2.623	2.000	2	3	
31B	Regent	65	0.50	38	3	50	0.32	4 1	6 50	500	0.105	1.503	2.000	3	3	
	Janesburg	35	0.50	38	3	50	0.32	3 1	6 50	500	0.105	1.503	1.500	2	3	
31C	Regent	60	0.50	38	3	50	0.32	4 6	9 50	400	0.475	2.436	2.000	2	3	
	Janesburg	40	0.50	38	3	50	0.32	3 6	9 50	400	0.475	2.346	1.500	2	3	
35B	Moreau	80	0.50	86	1	50	0.32	4 3	6 50	500	0.233	1.503	2.000	3	3	
35D	Moreau	70	0.50	86	1	50	0.32	4 6	15 50	300	0.475	4.433	2.000	2	1	
	Wayden	30	0.50	86	1	50	0.32	2 6	15 50	300	0.475	4.433	1.000	2	1	
36	Lawther	80	0.50	86	1	50	0.32	5 1	3 50	700	0.105	0.514	2.500	3	3	
38B	Searing	90	0.50	48	3	50	0.28	4 1	6 50	300	0.105	1.164	2.286	3	3	
40C	Rhoades	80	0.50	48	1	50	0.32	3 1	9 50	300	0.105	2.031	1.500	2	3	
	Slickspot	20	0.50	48	1	50	0.32	3 1	9 50	300	0.105	2.031	1.500	2	3	
41B	Daglum	55	0.50	48	1	50	0.32	3 1	6 50	300	0.105	1.164	1.500	3	3	
	Rhoades	45	0.50	48	1	50	0.32	3 1	6 50	300	0.105	1.164	1.500	3	3	
41C	Daglum	60	0.50	48	1	50	0.32	3 6	9 50	300	0.475	2.031	1.500	2	3	
	Rhoades	40	0.50	48	1	50	0.32	3 6	9 50	300	0.475	2.031	1.500	2	3	
42F	Dogtooth	50	0.50	48	1	50	0.32	3 9	35 50	200	0.829	14.456	1.500	2	1	
	Cabba	30	0.50	86	1	50	0.37	2 9	35 50	200	0.829	14.456	0.865	2	1	
	Regent	20	0.50	38	1	50	0.32	4 9	35 50	200	0.829	14.456	2.000	2	1	
43C	Daglum	50	0.50	86	1	50	0.32	3 1	9 50	300	0.105	2.031	1.500	2	3	
	Rhoades	50	0.50	86	1	50	0.32	3 1	9 50	200	0.105	1.659	1.500	2	3	
44B	Ekalaka	70	0.50	86	1	50	0.24	3 1	6 50	200	0.105	0.951	2.000	3	3	
	Lakota	30	0.50	86	1	50	0.24	3 1	6 50	200	0.105	0.951	2.000	3	3	
45	Harriet	90	0.50	48	1	50	0.37	3 1	3 50	150	0.105	0.324	1.297	3	3	
46B	Lakota	50	0.50	86	1	50	0.24	3 1	6 50	200	0.105	0.951	2.000	3	3	
	Ekalaka	50	0.50	86	1	50	0.24	3 1	6 50	200	0.105	0.951	2.000	3	3	
47B	Dogtooth	60	0.50	48	1	50	0.32	3 1	6 50	300	0.105	1.164	1.500	3	3	
	Janesburg	40	0.50	48	1	50	0.32	3 1	6 50	300	0.105	1.164	1.500	3	3	
48B	Desart	50	0.50	134	1	50	0.24	4 1	6 50	200	0.105	0.951	2.667	3	3	
	Ekalaka	30	0.50	134	1	50	0.24	3 1	6 50	200	0.105	0.951	2.000	3	3	

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Map Symbol	Soil Name	WIND EROSION						WATER EROSION						Revised Water	
		%	C Value	I Value	HEL Class	R Value	K Value	T Slope- Value Min	-Percent Slope- Max Min	-Length Max	LS- Min	-Value Max	8T/RK=	Water HEL Class	HEL Class
	Lihen	20	0.50	134	1	50	0.24	5 1	6 50	200	0.105	0.951	3.333	3	3
49B	Lefor	90	0.50	86	1	50	0.20	4 1	6 100	300	0.129	1.164	3.200	3	3
51D	Vebar	60	0.50	86	1	50	0.20	4 9	15 50	300	0.829	4.433	3.200	2	1
	Flasher	40	0.50	86	1	50	0.24	2 9	15 25	300	0.586	4.433	1.333	2	1
51F	Flasher	50	0.50	134	1	50	0.24	2 15	45 100	500	2.559	33.988	1.333	1	1
	Vebar	50	0.50	86	1	50	0.20	4 15	45 100	500	2.559	33.988	3.200	2	1
52B	Vebar	65	0.50	86	1	50	0.20	4 1	6 50	300	0.105	1.164	3.200	3	3
	Parshall	35	0.50	86	1	50	0.20	5 1	6 50	300	0.105	1.164	4.000	3	3
53B	Tally	50	0.50	86	1	50	0.20	5 1	6 50	300	0.105	1.164	4.000	3	3
	Parshall	50	0.50	86	1	50	0.20	5 1	6 50	300	0.105	1.164	4.000	3	3
53C	Tally	60	0.50	86	1	50	0.20	5 6	9 50	300	0.475	2.031	4.000	3	3
	Parshall	40	0.50	86	1	50	0.20	5 6	9 50	300	0.475	2.031	4.000	3	3
54C	Vebar	75	0.50	86	1	50	0.20	4 6	9 50	300	0.475	2.031	3.200	3	3
	Flasher	25	0.50	86	1	50	0.24	2 6	9 50	300	0.475	2.031	1.333	2	3
55B	Beisigl	85	0.50	134	1	50	0.17	4 1	6 50	200	0.105	0.951	3.765	3	3
	Parshall	85	0.50	86	1	50	0.20	5 1	3 50	300	0.105	0.399	4.000	3	3
57D	Beisigl	75	0.50	134	1	50	0.17	4 6	15 50	300	0.475	4.433	3.333	2	1
	Flasher	25	0.50	134	1	50	0.17	2 6	15 50	300	0.475	4.433	1.882	2	1
58B	Lihen	85	0.50	134	1	50	0.24	5 1	6 50	400	0.105	1.344	3.333	3	3
59F	Flasher	40	0.50	134	1	50	0.17	2 15	75 100	400	2.559	61.847	1.882	1	1
	Vebar	40	0.50	86	1	50	0.20	4 15	75 100	400	2.559	61.847	3.200	2	1
	Rock Outcrop	20	0.50	56	1	50	0.37	2 15	75 100	400	2.559	61.847	0.865	1	1
60D	Wabek	85	0.50	56	1	50	0.28	2 6	15 50	300	0.475	4.433	1.143	2	1
61E	Seroco	85	0.50	220	1	50	0.15	5 6	20 25	100	0.336	4.078	5.333	3	3
62B	Ruso	85	0.50	86	1	50	0.20	4 1	6 50	200	0.105	0.951	3.200	3	3
63B	Lehr	60	0.50	56	1	50	0.28	3 1	6 50	200	0.105	0.951	1.714	3	3
	Stady	40	0.50	48	1	50	0.28	4 1	6 50	200	0.105	0.951	2.286	3	3
	64 Bowdle	85	0.50	48	3	50	0.28	4 1	3 50	200	0.105	0.353	2.286	3	3
	65 Wanagan	90	0.50	48	3	50	0.28	5 1	3 50	300	0.105	0.399	2.857	3	3
66F	Wabek	60	0.50	56	1	50	0.28	2 9	35 50	300	0.829	17.705	1.143	2	1
	Cabba	40	0.50	86	1	50	0.37	2 9	35 50	300	0.829	17.705	0.865	2	1
67B	Virgelle	90	0.50	86	1	50	0.17	5 1	6 50	300	0.105	1.164	4.706	3	3
68D	Telfer	80	0.50	134	1	50	0.24	5 6	15 50	300	0.475	4.433	3.333	2	3
68E	Telfer	80	0.50	134	1	50	0.24	5 15	25 50	300	1.800	10.202	3.333	2	1
70	Bowbells	60	0.50	48	3	50	0.28	5 1	3 50	200	0.105	0.353	2.857	3	3
71	Williams	60	0.50	48	3	50	0.28	5 1	3 50	200	0.105	0.353	2.857	3	3
	Bowbells	40	0.50	48	3	50	0.28	5 1	3 50	200	0.105	0.353	2.857	3	3
71B	Williams	60	0.50	48	3	50	0.28	5 3	6 50	200	0.233	0.951	2.857	3	3
	Bowbells	40	0.50	48	3	50	0.28	5 3	6 50	200	0.233	0.951	2.857	3	3
73	Williams	60	0.50	48	3	50	0.28	5 1	3 50	200	0.105	0.353	2.857	3	3
	Reeder	40	0.50	48	3	50	0.28	4 1	3 50	200	0.105	0.353	2.286	3	3
73B	Williams	60	0.50	48	3	50	0.28	5 3	6 50	200	0.233	0.951	2.857	3	3
	Reeder	40	0.50	48	3	50	0.28	4 3	6 50	200	0.233	0.951	2.286	3	3
76C	Williams	60	0.50	48	3	50	0.28	5 6	9 50	300	0.475	2.031	2.857	3	3
	Zahl	40	0.50	86	3	50	0.28	5 6	9 50	300	0.475	2.031	2.857	3	3
76E	Zahl	50	0.50	86	3	50	0.28	5 9	25 50	200	0.829	8.330	2.857	2	1
	Williams	50	0.50	48	3	50	0.28	5 9	25 50	200	0.829	8.330	2.857	2	1

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			C Value	I Value	HEL Class	R Value		K Value	-Percent Slope- Max Min	-Length Max	LS- Min		-Value Max	Water HEL Class	Class		
77	Temvic	70	0.50	48	3	50	0.32	5	0	3	100	400	0.069	0.435	2.500	3	3
	Wilton	30	0.50	48	3	50	0.32	5	0	3	100	400	0.069	0.435	2.500	3	3
77B	Temvic	60	0.50	48	3	50	0.32	5	3	6	50	250	0.233	1.063	2.500	3	3
	Williams	40	0.50	48	3	50	0.32	5	3	6	50	250	0.263	1.063	2.500	3	3
80	Breien	90	0.50	86	1	50	0.20	5	1	3	25	100	0.085	0.287	4.000	3	3
82	Haverlon	90	0.50	86	1	50	0.32	5	1	3	25	100	0.085	0.287	2.500	3	3
83	Haverlon	90	0.50	86	1	50	0.32	5	1	3	100	300	0.129	0.399	2.500	3	3
85	Banks	90	0.50	134	1	50	0.17	5	1	3	25	100	0.085	0.287	4.706	3	3
86	Havrelon	90	0.50	86	1	50	0.24	5	1	3	100	300	0.129	0.399	3.333	3	3
87	Minnewaukan	90	0.50	86	1	50	0.17	5	1	3	25	100	0.085	0.324	4.706	3	3
88	Havrelon	90	0.50	86	1	50	0.32	5	1	3	100	300	0.129	0.399	2.500	3	3
91	Lohler	90	0.50	86	1	50	0.28	5	1	3	50	150	0.105	0.324	2.857	3	3
98	Mandan	90	0.50	48	3	50	0.32	5	1	3	50	300	0.105	0.399	2.500	3	3
98B	Linton	60	0.50	48	3	50	0.32	5	1	3	50	300	0.105	0.399	2.500	3	3
	Mandan	40	0.50	48	3	50	0.32	5	3	6	50	300	0.233	1.164	2.500	3	3
99F	Badlands	70	0.50	86	1	50	0.37	2	15	75	50	200	1.810	43.732	0.865	1	1
	Cabba	30	0.50	86	1	50	0.37	2	15	75	50	200	1.810	43.732	0.865	1	1
100	Pits & Dumps	100	0.50	86	1	50	0.37	1	1	25	25	100	0.085	5.890	0.432	2	1