

Williams  
North Dakota

Revised 9/20/90

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	HEL Class	
2	Lohler	85	0.60	86	1	45	0.37	5	0	1	25	100	0.053	0.129	2.402	3	3
3	Tonka		0.60	48	3	45	0.32	5	1	2	25	100	0.085	0.201	2.778	3	3
4	Parnell		0.60	38	3	45	0.28	5	1	2	25	100	0.085	0.201	3.175	3	3
7	Southam		0.60	48	3	45	0.37	5	1	1	50	100	0.105	0.129	2.402	3	3
10	Divide		0.60	86	1	45	0.28	4	1	2	25	100	0.085	0.201	2.540	3	3
12	Ojata		0.60	86	1	45	0.32	5	1	3	25	100	0.085	0.287	2.778	3	3
13	Harriet	50	0.60	48	1	45	0.37	3	1	3	50	200	0.105	0.353	1.441	3	3
	Stirum	50	0.60	86	1	45	0.24	3	1	3	50	200	0.105	0.353	2.222	3	3
14	Lallie	50	0.60	86	1	45	0.37	5	1	2	25	100	0.085	0.201	2.402	3	3
	Minnewauken	50	0.60	134	1	45	0.15	4	1	3	25	100	0.085	0.287	4.741	3	3
16	Stirum		0.60	86	1	45	0.24	3	1	3	50	100	0.105	0.287	2.222	3	3
18	Hamerly	45	0.60	86	1	45	0.28	5	1	3	50	200	0.105	0.353	3.175	3	3
	Tonka	40	0.60	48	1	45	0.32	5	1	1	25	100	0.085	0.129	2.778	3	3
19B	Niobell	60	0.60	48	1	45	0.32	3	3	6	50	200	0.233	0.951	1.667	3	3
	Williams	40	0.60	48	1	45	0.28	5	3	6	50	200	0.233	0.951	3.175	3	3
22	Rhoades		0.60	48	1	45	0.32	3	1	6	50	200	0.105	0.951	1.667	3	3
25	Savage		0.60	38	3	45	0.37	5	1	3	50	700	0.105	0.514	2.402	3	3
25B	Savage		0.60	38	3	45	0.37	5	3	6	50	500	0.233	1.503	2.402	3	3
26B	Daglum	60	0.60	48	1	45	0.32	3	1	6	50	100	0.105	0.672	1.667	3	3
	Rhoades	40	0.60	48	1	45	0.32	3	1	6	50	100	0.105	0.672	1.667	3	3
27	Arnegard		0.60	48	3	45	0.28	5	1	3	50	700	0.105	0.514	3.175	3	3
27B	Arnegard	60	0.60	48	3	45	0.28	5	3	6	50	500	0.233	1.503	3.175	3	3
28	Grail		0.60	38	3	45	0.32	5	1	3	50	500	0.105	0.465	2.778	3	3
29	Sinai		0.60	86	1	45	0.28	5	1	3	100	500	0.129	0.465	3.175	3	3
31	Williams	60	0.60	48	3	45	0.28	5	1	3	50	300	0.105	0.399	3.175	3	3
	Bowbells	40	0.60	48	3	45	0.28	5	1	3	50	300	0.105	0.399	3.175	3	3
31B	Williams	60	0.60	48	3	45	0.28	5	3	6	50	300	0.233	1.164	3.175	3	3
	Bowbells	40	0.60	48	3	45	0.28	5	3	6	50	300	0.233	1.164	3.175	3	3
33B	Williams	40	0.60	48	3	45	0.28	5	6	6	50	300	0.475	2.031	3.175	3	3
	Zahl	30	0.60	86	3	45	0.28	5	6	6	50	250	0.475	1.854	3.175	3	3
	Bowbells	30	0.60	48	3	45	0.28	5	6	6	50	300	0.475	2.031	3.175	3	3
33C	Williams	45	0.60	48	3	45	0.28	5	6	6	50	250	0.475	1.854	3.175	3	3
	Zahl	40	0.60	86	3	45	0.28	5	6	6	50	150	0.475	1.436	3.175	3	3
	Bowbells	15	0.60	48	3	45	0.28	5	6	6	50	150	0.475	1.436	3.175	3	3
33E	Zahl	60	0.60	86	1	45	0.28	5	9	9	25	250	0.829	9.313	3.175	2	1
	Williams	40	0.60	48	1	45	0.28	5	9	9	25	250	0.829	9.313	3.175	2	1
33F	Zahl	60	0.60	86	1	45	0.28	5	25	25	65	250	4.165	40.783	3.175	1	1
	Williams	40	0.60	48	1	45	0.28	5	25	25	35	250	4.165	16.162	3.175	1	1
34B	Lehr	60	0.60	56	1	45	0.28	3	1	1	6	150	0.105	0.823	1.905	3	3
	Williams	40	0.60	48	1	45	0.28	5	1	1	6	200	0.105	0.951	3.175	3	3
34C	Lehr	50	0.60	56	1	45	0.28	3	6	6	9	150	0.475	1.436	1.905	3	3
	Williams	35	0.60	48	1	45	0.28	5	6	6	9	200	0.475	1.659	3.175	3	3
36C	Williams	40	0.60	48	3	45	0.28	5	1	1	9	300	0.105	2.031	3.175	3	3
	Zahl	40	0.60	86	3	45	0.28	5	1	1	9	250	0.105	1.854	3.175	3	3
	Parnell	20	0.60	38	3	45	0.28	5	1	1	25	100	0.085	0.129	3.175	3	3
36E	Williams	35	0.60	48	3	45	0.28	5	9	9	25	200	0.829	8.330	3.175	2	1
	Zahl	30	0.60	86	3	45	0.28	5	9	9	25	200	0.829	8.330	3.175	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 Value	Slope- -Percent		Slope- -Length		LS- -Value		Water HEL Class	Class	
									Min	Max	Min	Max	Min	Max	8T/RK=		
	Parnell	20	0.60	38	3	45	0.28	5	1	2	25	50	0.085	0.163	3.175	3	1
37	Farnuf		0.60	48	3	45	0.28	5	1	3	100	500	0.129	0.465	3.175	3	3
37B	Farnuf	60	0.60	48	3	45	0.28	5	3	6	100	400	0.287	1.344	3.175	3	3
	Sakakawea	40	0.60	86	3	45	0.28	5	3	6	50	250	0.233	1.063	3.175	3	3
39	Nutley	100	0.60	38	3	45	0.28	5	3	6	50	200	0.233	0.951	3.175	3	3
41B	Cherry	100	0.60	48	3	45	0.37	5	0	6	50	600	0.060	1.647	2.402	3	3
41C	Cherry	100	0.60	48	3	45	0.37	5	3	6	100	500	0.287	1.503	2.402	3	3
47C	Amor	35	0.60	48	1	45	0.28	4	3	9	50	300	0.233	2.031	2.540	3	3
	Zahl	25	0.60	86	1	45	0.28	5	3	9	50	300	0.233	2.031	3.175	3	3
	Cabba	25	0.60	86	1	45	0.37	2	3	9	50	300	0.233	2.031	0.961	2	3
47E	Amor	40	0.60	48	1	45	0.28	4	9	25	50	200	0.829	8.330	2.540	2	1
	Zahl	30	0.60	86	1	45	0.28	5	9	25	50	200	0.829	8.330	3.175	2	1
	Cabba	30	0.60	86	1	45	0.37	2	9	25	50	200	0.829	8.330	0.961	2	1
47F	Cabba	70	0.60	86	1	45	0.37	2	25	65	50	250	4.165	40.783	0.961	1	1
	Zahl	30	0.60	86	1	45	0.28	5	25	65	50	250	4.165	40.783	3.175	1	1
48F	Cabba	70	0.60	86	1	45	0.37	2	9	70	50	250	0.829	44.890	0.961	2	1
	Badland	30	0.60	86	1	45	0.37	2	9	70	50	200	0.829	40.151	0.961	2	1
51	Badland		0.60	86	1	45	0.37	2	25	80	50	200	4.165	47.203	0.961	1	1
54	Lohler		0.60	86	1	45	0.28	5	1	3	50	200	0.105	0.353	3.150	3	3
55	Havrelon		0.60	86	1	45	0.32	5	1	3	50	150	0.105	0.324	2.778	3	3
55B	Havrelon		0.60	86	1	45	0.32	5	3	6	50	250	0.233	1.063	2.778	3	3
57B	Farland		0.60	48	3	45	0.32	5	3	6	100	400	0.287	1.344	2.778	3	3
58	Straw		0.60	48	3	45	0.32	5	1	3	50	200	0.105	0.353	2.778	3	3
59B	Livona		0.60	86	1	45	0.20	5	1	6	50	250	0.105	1.063	4.444	3	3
59C	Livona	50	0.60	86	1	45	0.20	5	6	9	50	250	0.475	1.854	4.444	3	3
	Zahl	35	0.60	86	1	45	0.28	5	6	9	50	250	0.475	1.854	3.175	3	3
60B	Trembles		0.60	86	1	45	0.20	5	1	6	50	200	0.105	0.951	4.444	3	3
61B	Banks		0.60	134	1	45	0.20	5	1	6	50	150	0.105	0.823	4.444	3	3
62	Korchea	60	0.60	48	1	45	0.32	5	1	3	50	150	0.105	0.324	2.778	3	3
	Divide	40	0.60	86	1	45	0.28	4	1	6	25	100	0.085	0.672	2.540	3	3
63B	Tally		0.60	86	1	45	0.20	5	1	6	50	300	0.105	1.164	4.444	3	3
63C	Tally		0.60	86	1	45	0.20	5	6	9	50	300	0.475	2.031	4.444	3	3
64B	Lihen	60	0.60	134	1	45	0.20	5	1	6	50	300	0.105	1.164	4.444	3	3
64C	Lihen	100	0.60	134	1	45	0.20	5	6	9	50	300	0.475	2.031	4.444	3	3
65B	Manning	100	0.60	86	1	45	0.20	4	0	6	50	200	0.060	0.951	3.556	3	3
66B	Lehr	100	0.60	56	1	45	0.20	3	1	5	50	200	0.105	0.951	2.667	3	3
67B	Wabek	100	0.60	86	1	45	0.20	2	0	6	50	300	0.060	1.164	1.778	3	3
67E	Wabek	100	0.60	86	1	45	0.20	2	1	25	50	200	0.105	8.330	1.778	2	1
68C	Vebar	55	0.60	86	1	45	0.20	4	6	9	50	300	0.475	2.031	3.556	3	3
	Tally	30	0.60	86	1	45	0.20	5	6	9	50	300	0.475	2.031	4.444	3	3
69E	Flasher	60	0.60	134	1	45	0.20	2	3	50	25	200	0.189	25.206	1.778	2	1
	Vebar	40	0.60	86	1	45	0.20	4	6	25	25	200	0.336	8.330	3.556	2	1
72	Vallers		0.60	86	1	45	0.20	5	1	3	50	150	0.105	0.324	4.444	3	3
74	Hoffmanville	100	0.60	86	1	45	0.20	5	1	3	50	200	0.105	0.353	4.444	3	3
76	Lawther		0.60	86	1	45	0.20	5	1	3	50	700	0.105	0.514	4.444	3	3
77F	Brandenburg	100	0.60	48	1	45	0.20	2	2	70	50	250	0.163	44.890	1.778	2	1
78B	Krem	80	0.60	134	1	45	0.20	5	1	6	50	200	0.105	0.951	4.444	3	3

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			C Value	I Value	HEL Class	R Value	K Value	T Value	Slope- -Percent		Slope- -Length		LS- -Value		8T/RK=	HEL Class	Class
79B	Dooley	85	0.60	86	1	45	0.20	5	1	6	50	200	0.105	0.951	4.444	3	3
84	Hoffmanville	100	0.60	86	1	45	0.20	5	1	3	50	200	0.117	0.261	4.444	0	0
85	Hamerly		0.60	86	1	45	0.28	5	1	3	50	200	0.105	0.353	3.175	3	3
89	Korchea		0.60	56	3	45	0.28	5	1	3	50	300	0.105	0.399	3.175	3	3
90B	Lohnes		0.60	134	1	45	0.15	5	1	6	50	300	0.105	1.164	5.926	3	3
94	Shambo		0.60	48	3	45	0.28	5	1	3	100	500	0.129	0.465	3.175	3	3
95	Bowdle		0.60	48	3	45	0.28	4	1	3	50	200	0.105	0.353	2.540	3	3
96B	Seroco		0.60	220	1	45	0.15	5	3	20	25	100	0.189	4.078	5.926	3	3
97	Pits		0.60	86	1	45	0.37	2	1	10	50	150	0.105	1.677	0.961	2	3