

Burke County
North Dakota

Revised 4/26/94

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	8T/RK=	HEL Class	Class
2	Parnell	100	0.55	38	3	45	0.28	5	0	1 1	25 0.028	0.095 3.175	3	3
3	Tonka	100	0.55	48	3	45	0.32	5	0	1 1	25 0.028	0.095 2.778	3	3
7	Heil	100	0.55	48	1	45	0.28	3	0	1 1	25 0.028	0.095 1.905	3	3
8B	Straw	100	0.55	56	3	45	0.32	5	0	3 1	50 0.028	0.242 2.778	3	3
10	Hariet	34	0.55	48	1	45	0.37	3	0	1 50	100 0.060	0.125 1.441	3	3
	Regan	33	0.55	86	1	45	0.32	5	0	1 50	100 0.060	0.125 2.778	3	3
	Stirum	33	0.55	86	1	45	0.24	3	0	1 50	100 0.060	0.125 2.222	3	3
11	Southam	100	0.55	86	1	45	0.37	5	0	1 1	25 0.028	0.095 2.402	3	3
13	Vallers	65	0.55	86	3	45	0.28	5	0	1 1	50 0.028	0.109 3.175	3	3
	Parnell	35	0.55	38	3	45	0.28	5	0	1 1	50 0.028	0.109 3.175	3	3
16	Hamerly	60	0.55	86	3	45	0.28	5	0	3 5	50 0.038	0.242 3.175	3	3
	Tonka	40	0.55	48	3	45	0.32	5	0	1 1	25 0.028	0.095 2.788	3	3
17	Vallers	100	0.55	86	1	45	0.28	5	0	1 1	50 0.028	0.109 3.175	3	3
19	Divide	100	0.55	86	1	45	0.28	4	0	3 5	50 0.038	0.242 2.540	3	3
20	Farnuf	100	0.55	48	3	45	0.28	5	0	3 100	300 0.069	0.346 3.175	3	3
20B	Farnuf	60	0.55	48	3	45	0.28	5	3	6 50	150 0.242	0.662 3.175	3	3
	Sakakawea	40	0.55	86	3	45	0.28	5	3	6 50	150 0.242	0.662 3.175	3	3
20C	Skakawea	55	0.55	86	3	45	0.28	5	6	9 50	150 0.532	1.155 3.175	3	3
	Farnuf	45	0.55	48	3	45	0.28	5	6	9 25	50 0.463	0.927 3.175	3	3
20E	Sakakawea	55	0.55	86	3	45	0.28	5	9	25 75	300 1.066	85.694 3.175	2	1
	Farnuf	45	0.55	48	3	45	0.28	5	9	25 75	200 1.066	38.086 3.175	2	1
22	Marias	100	0.55	86	1	45	0.37	5	0	3 250	500 0.083	0.383 2.402	3	3
22B	Marias	100	0.55	86	1	45	0.37	5	3	6 250	500 0.334	0.842 2.402	3	3
23	Williams	70	0.55	48	3	45	0.28	5	1	3 100	300 0.125	0.346 3.175	3	3
	Bowbells	30	0.55	48	3	45	0.28	5	0	3 100	300 0.069	0.346 3.175	3	3
23B	Williams	65	0.55	48	3	45	0.28	5	3	6 100	300 0.278	0.761 3.175	3	3
	Bowbells	35	0.55	48	3	45	0.28	5	3	6 100	300 0.261	0.573 3.175	3	3
24B	Williams	70	0.55	48	3	45	0.28	5	3	6 100	300 0.278	0.761 3.175	3	3
	Zahl	30	0.55	86	3	45	0.28	5	3	6 100	300 0.278	0.761 3.175	3	3
25C	Zahl	60	0.55	86	3	45	0.28	5	6	9 100	300 0.611	1.327 3.175	3	3
	Williams	40	0.55	48	3	45	0.28	5	6	9 100	300 0.611	1.327 3.175	3	3
25E	Zahl	60	0.55	86	3	45	0.28	5	9	15 100	250 1.896	4.022 3.175	2	3
	Williams	40	0.55	48	3	45	0.28	5	9	15 100	250 1.896	4.022 3.175	2	3
25F	Zahl	60	0.55	86	3	45	0.28	5	15	60 100	350 4.137	458.449 3.175	1	1
	Williams	40	0.55	48	3	45	0.28	5	15	60 100	350 4.137	458.449 3.175	1	1
26C	Williams	40	0.55	48	3	45	0.28	5	1	9 100	250 0.069	1.280 3.175	3	3
	Zahl	40	0.55	86	3	45	0.28	5	3	9 100	250 0.278	1.280 3.175	3	3
	Parnell	20	0.55	38	3	45	0.28	5	0	1 1	25 0.028	0.095 3.175	3	3
26E	Zahl	45	0.55	86	3	45	0.28	5	9	25 50	100 0.927	5.351 3.175	2	1
	Williams	30	0.55	48	3	45	0.28	5	9	25 50	100 0.927	5.351 3.175	2	1
	Parnell	25	0.55	38	3	45	0.28	5	0	1 1	25 0.028	0.095 3.175	3	1
29F	Zahl	40	0.55	86	1	45	0.28	5	9	60 25	200 0.807	24.157 3.175	2	1
	Williams	35	0.55	48	1	45	0.28	5	6	35 25	200 0.463	10.666 3.175	2	1
	Vallers	25	0.55	86	1	45	0.28	5	0	3 50	100 0.060	0.278 3.175	3	1
30	Williams	55	0.55	48	3	45	0.28	5	1	3 100	300 0.125	0.346 3.175	3	3
	Niobell	45	0.55	48	3	45	0.32	3	1	3 100	300 0.125	0.346 1.667	3	3
30B	Williams	65	0.55	48	3	45	0.28	5	3	6 100	300 0.278	0.761 3.175	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 Value	Slope- -Percent		Slope- -Length		LS- -Value		Water HEL Class	Class	
									Min	Max	Min	Max	Min	Max	8T/RK=		
	Niobell	35	0.55	48	3	45	0.32	3	3	6	100	300	0.278	0.761	1.667	3	3
31	Farnuf	60	0.55	48	3	45	0.32	5	0	3	50	200	0.060	0.319	2.778	3	3
	Alkabo	40	0.55	48	3	45	0.28	3	0	3	50	200	0.060	0.319	1.905	3	3
32B	Noonan	60	0.55	48	1	45	0.32	3	1	6	50	300	0.109	0.761	1.667	3	3
	Niobell	40	0.55	48	1	45	0.32	3	1	6	50	300	0.109	0.761	1.667	3	3
33	Niobell	50	0.55	48	1	45	0.32	3	0	3	50	300	0.060	0.346	1.667	3	3
	Noonan	25	0.55	48	1	45	0.32	3	0	3	50	300	0.060	0.346	1.667	3	3
	Tonka	25	0.55	48	1	45	0.32	5	0	1	50	100	0.060	0.125	2.778	3	3
34	Miranda	70	0.55	48	1	45	0.32	3	0	3	25	300	0.053	0.346	1.667	3	3
	Noonan	30	0.55	48	1	45	0.32	3	0	3	25	300	0.053	0.346	1.667	3	3
38	Portal	60	0.55	86	1	45	0.20	3	0	3	25	200	0.053	0.319	2.667	3	3
	Lihen	40	0.55	86	1	45	0.24	5	0	3	50	250	0.060	0.334	3.704	3	3
47	Marysland	100	0.55	86	1	45	0.28	4	0	1	1	50	0.028	0.109	2.540	3	3
50B	Lihen	75	0.55	134	1	45	0.17	5	1	6	50	250	0.109	0.733	5.229	3	3
	Blanchard	25	0.55	134	1	45	0.17	5	1	6	50	250	0.109	0.733	5.229	3	3
52B	Williams (sl)	65	0.55	86	1	45	0.20	5	3	6	50	200	0.242	0.701	4.444	3	3
	Zahl	35	0.55	86	1	45	0.28	5	3	6	50	200	0.242	0.701	3.175	3	3
52D	Williams (sl)	50	0.55	86	1	45	0.20	5	6	15	50	200	0.532	2.671	4.444	3	3
	Zahl	25	0.55	86	1	45	0.28	5	6	15	50	200	0.532	2.671	3.175	3	3
	Lihen	25	0.55	86	1	45	0.24	5	6	15	50	200	0.573	2.181	3.704	3	3
54B	Parshall	100	0.55	86	1	45	0.20	5	0	6	50	200	0.060	0.701	4.444	3	3
55	Lehr	65	0.55	56	1	45	0.28	3	1	3	50	200	0.109	0.319	1.905	3	3
	Wabek	35	0.55	56	1	45	0.28	2	1	3	50	200	0.109	0.319	1.270	3	3
56B	Appam	75	0.55	86	1	45	0.20	3	1	6	25	175	0.095	0.683	2.667	3	3
	Wabek	25	0.55	38	1	45	0.10	2	1	6	50	200	0.109	0.701	3.556	3	3
57B	Wabek	60	0.55	86	1	45	0.10	2	1	6	25	150	0.117	0.573	3.556	3	3
	Lehr	40	0.55	56	1	45	0.28	3	1	6	25	150	0.117	0.573	1.905	3	3
57F	Wabek	60	0.55	86	1	45	0.10	2	6	35	25	200	0.463	10.666	3.556	2	1
	Appam	40	0.55	86	1	45	0.20	4	6	15	25	200	0.463	2.671	3.556	3	1
59	Williams (sl)	100	0.55	86	1	45	0.20	5	1	3	25	200	0.095	0.319	4.444	3	3
61	Cresbard	60	0.55	48	3	45	0.32	3	0	3	50	200	0.060	0.319	1.667	3	3
	Barnes	40	0.55	48	3	45	0.28	5	1	3	50	200	0.109	0.319	3.175	3	3
67	Barnes	100	0.55	48	3	45	0.28	5	0	3	50	250	0.060	0.334	3.175	3	3
67B	Barnes	100	0.55	48	3	45	0.28	5	3	6	25	200	0.211	0.701	3.175	3	3
67C	Barnes	55	0.55	48	3	45	0.28	5	6	9	25	200	0.463	1.224	3.175	3	3
	Buse	45	0.55	86	3	48	0.28	5	6	9	25	200	0.463	1.224	2.976	3	3
71B	Swenoda	100	0.55	86	1	45	0.20	5	0	6	50	300	0.060	0.761	4.444	3	3
72	Towner	65	0.55	134	1	45	0.17	5	0	3	25	100	0.053	0.278	5.229	3	3
	Kratka	35	0.55	86	1	45	0.17	5	0	3	25	100	0.053	0.278	5.229	3	3
74	Kratka	65	0.55	86	1	45	0.18	5	0	3	50	300	0.060	0.346	5.051	3	3
	Wyndmere	35	0.55	86	1	45	0.20	5	0	3	50	300	0.065	0.261	4.444	3	3
75	Pits, Gravel	100	0.55	86	1	45	0.24	2	1	60	25	200	0.095	24.157	1.481	2	1
86F	Dumps, Mine	65	0.55	86	1	45	0.28	5	0	75	25	300	0.053	34.994	3.175	2	1
	Ustorthents	35	0.55	86	1	45	0.28	5	0	75	25	300	0.053	34.994	3.175	2	1
87B	Haploborolls	65	0.55	86	1	45	0.32	5	0	6	25	300	0.053	0.761	2.778	3	3
	Ustorthents	35	0.55	86	1	45	0.32	5	0	6	25	300	0.053	0.761	2.778	3	3
87C	Ustorthents	65	0.55	86	1	45	0.32	5	6	9	25	300	0.463	1.327	2.778	3	3

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Map Symbol	Soil Name	%	WIND EROSION				WATER EROSION							Water HEL Class	Revised Water HEL Class
			C Value	I Value	HEL Class	R Value	K Value	T Value	Slope- Percent Min	Slope- Length Max Min	LS- Value Max Min	8T/RK= Max			
	Haploborolls	35	0.55	86	1	45	0.32	5	6	9 25	300 0.463	1.327 2.778	3	3	