

Mountrail
North Dakota

Revised 7/15/87

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	I	HEL	R	K	T	Slope- -Percent		Slope- -Length		LS- -Value		Water	HEL	
			Value	Value	Class	Value	Value	Value	Min	Max	Min	Max	Min	Max	8T/RK=	Class	Class
2	Parnell	100	0.55	48	3	45	0.28	5	0	1	20	200	0.050	0.159	3.175	3	3
3	Tonka	100	0.55	48	3	45	0.32	5	0	1	20	100	0.050	0.129	2.778	3	3
4	Vallers	100	0.55	86	1	45	0.28	5	0	1	20	150	0.050	0.146	3.175	3	3
9B	Savage	100	0.55	48	3	45	0.37	5	1	6	50	250	0.105	1.063	2.402	3	3
10	Makoti	100	0.55	48	3	45	0.32	5	1	3	100	250	0.129	0.378	2.778	3	3
12	Bowdle	100	0.55	48	3	45	0.28	4	1	3	50	150	0.105	0.324	2.540	3	3
14	Divide	100	0.55	86	1	45	0.28	4	0	3	50	200	0.060	0.353	2.540	3	3
15	Straw, chan.	100	0.55	48	3	45	0.32	5	0	3	25	175	0.053	0.339	2.778	3	3
17	Hamerly	40	0.55	86	3	45	0.28	5	1	3	25	150	0.085	0.324	3.175	3	3
	Tonka	35	0.55	48	3	45	0.32	5	0	1	20	100	0.050	0.129	2.778	3	3
18B	Shambo	100	0.55	48	3	45	0.28	5	1	6	75	275	0.118	1.115	3.175	3	3
18C	Shambo	100	0.55	48	3	45	0.28	5	6	9	25	200	0.336	1.659	3.175	3	3
19	Nutley	100	0.55	86	1	45	0.28	5	1	3	50	275	0.105	0.389	3.175	3	3
19B	Nutley	100	0.55	86	1	45	0.28	5	3	6	75	300	0.263	1.164	3.175	3	3
23	Williams	100	0.55	48	3	45	0.28	5	1	3	75	150	0.118	0.324	3.175	3	3
23B	Williams	50	0.55	48	3	45	0.28	5	3	6	75	150	0.263	0.823	3.175	3	3
	Zahl	40	0.55	86	3	45	0.28	5	3	6	75	150	0.263	0.823	3.175	3	3
24C	Williams	50	0.55	48	3	45	0.28	5	6	9	75	250	0.582	1.854	3.175	3	3
	Zahl	40	0.55	86	3	45	0.28	5	6	9	75	250	0.582	1.854	3.175	3	3
24E	Zahl	45	0.55	86	3	45	0.28	5	9	25	75	200	1.016	8.330	3.175	2	1
	Williams	40	0.55	48	3	45	0.28	5	9	25	75	200	1.016	8.330	3.175	2	1
24F	Zahl	45	0.55	86	3	45	0.28	5	25	60	125	250	6.585	36.604	3.175	1	1
	Max	35	0.55	48	3	45	0.28	5	25	35	125	250	6.585	16.162	3.175	1	1
25C	Zahl	55	0.55	86	3	45	0.28	5	6	9	75	125	0.582	1.311	3.175	3	3
	Williams	25	0.55	48	3	45	0.28	5	6	9	75	125	0.582	1.311	3.175	3	3
	Bowbells	15	0.55	48	3	45	0.28	5	3	6	75	125	0.263	0.752	3.175	3	3
27	Korchea	50	0.55	48	3	45	0.28	5	0	1	75	250	0.065	0.170	3.175	3	3
	Straw	50	0.55	48	3	45	0.32	5	0	1	75	250	0.065	0.170	2.778	3	3
32	Bowbells	100	0.55	48	3	45	0.28	5	1	3	50	125	0.105	0.307	3.175	3	3
35	Bowbells	50	0.55	48	3	45	0.28	5	1	3	50	100	0.105	0.287	3.175	3	3
	Tonka	30	0.55	48	3	45	0.32	5	0	1	50	100	0.060	0.129	2.778	3	3
39	Farnuf	100	0.55	48	3	45	0.28	5	1	3	100	250	0.129	0.378	3.175	3	3
39B	Farnuf	100	0.55	48	3	45	0.28	5	3	6	10	300	0.144	1.164	3.175	3	3
41	Hamerly	40	0.55	86	1	45	0.28	5	0	1	50	100	0.060	0.129	3.175	3	3
	Divide	40	0.55	86	1	45	0.28	4	0	1	50	125	0.060	0.138	2.544	3	3
44B	Lihen	100	0.55	134	1	45	0.17	5	1	6	75	200	0.118	0.951	5.229	3	3
45B	Parshall	100	0.55	86	1	45	0.20	5	1	6	75	250	0.118	1.063	4.444	3	3
47B	Lehr	100	0.55	56	1	45	0.28	3	1	6	50	150	0.105	0.823	1.905	3	3
49B	Manning	100	0.55	86	1	45	0.20	4	1	6	50	175	0.105	0.889	3.556	3	3
50C	Sakakawea	100	0.55	86	1	45	0.32	5	3	9	25	150	0.189	1.436	2.778	3	3
51B	Livona	100	0.55	86	1	45	0.20	5	1	6	75	125	0.118	0.752	4.444	3	3
53C	Lihen	55	0.55	86	1	45	0.17	5	3	9	25	150	0.189	1.436	5.229	3	3
	Sakakawea	35	0.55	56	1	45	0.32	5	3	9	25	150	0.189	1.436	2.778	3	3
54E	Wabek	100	0.55	56	1	45	0.28	2	1	35	25	200	0.085	14.456	1.270	2	1
55E	Cherry	45	0.55	38	1	45	0.37	5	9	15	75	200	1.016	3.620	2.402	2	3
	Cabba	35	0.55	86	1	45	0.37	2	9	60	100	250	1.173	36.604	0.961	1	1
57F	Badland	50	0.55	86	1	45	0.37	2	50	120	300	1000	30.871	156.510	0.961	1	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	
	Cabba	30	0.55	86	1	45	0.37	2	9	70	200	500	1.659	63.484	0.961	1	1
58B	Noonan williams	45	0.55	48	3	45	0.32	3	1	6	75	125	0.118	0.752	1.667	3	3
59E	Miranda Zahl	45	0.55	48	1	45	0.32	1	1	6	75	200	0.118	0.951	0.556	2	3
60	Harriet	35	0.55	86	1	45	0.28	5	6	25	125	200	0.752	8.330	3.175	2	1
62E	Rhoades Cabba	100	0.55	48	1	45	0.28	3	0	1	25	200	0.053	0.159	1.905	3	3
63F	Rhoades Cabba	50	0.55	48	1	45	0.32	3	0	15	100	300	0.069	4.433	1.667	2	1
63F	Cabba	30	0.55	86	1	45	0.37	2	9	25	100	350	1.173	11.019	0.961	1	1
63F	Cabba Shambo	30	0.55	86	1	45	0.37	2	15	120	300	1000	4.433	156.510	0.961	1	1
63F	Shambo Arikara	25	0.55	48	1	45	0.28	5	6	15	150	250	0.823	4.047	3.175	2	3
63F	Arikara 65 Southam	20	0.55	48	1	45	0.28	5	9	75	100	250	1.173	48.894	3.175	2	1
65	Southam	100	0.55	48	3	45	0.28	5	0	1	25	75	0.053	0.118	3.175	3	3
66E	Flasher Vebar	60	0.55	134	1	45	0.17	2	9	60	75	200	1.016	32.740	2.092	2	1
66E	Vebar	40	0.55	86	1	45	0.20	4	9	60	75	200	1.016	32.740	3.556	2	1
67B	Rhoades Savage	55	0.55	48	3	45	0.32	3	1	6	25	200	0.085	0.951	1.667	3	3
67B	Savage	30	0.55	38	3	45	0.37	5	1	6	25	125	0.085	0.752	2.402	3	3
71B	Miranda Noonan	45	0.55	48	1	45	0.32	1	1	6	25	125	0.085	0.752	0.556	2	3
71B	Noonan	35	0.55	48	1	45	0.32	3	1	6	25	125	0.085	0.752	1.667	3	3
76	Pits, gravel	100	0.55	56	1	45	0.24	2	1	60	25	300	0.085	40.098	1.481	2	1
80E	Vebar Zahl	35	0.55	86	1	45	0.20	4	6	15	75	200	0.582	3.620	3.556	2	3
80E	Zahl	25	0.55	86	1	45	0.28	5	15	25	75	200	2.217	8.330	3.175	2	1
80E	Flasher	25	0.55	134	1	45	0.17	2	9	25	75	250	1.106	9.313	2.092	2	1
81F	Cabba Badland	55	0.55	86	1	45	0.37	2	9	70	200	1000	1.659	89.780	0.961	1	1
81F	Badland	20	0.55	86	1	45	0.37	2	50	120	200	1000	25.206	156.510	0.961	1	1
82E	Zahl Williams	45	0.55	86	3	45	0.28	5	9	25	75	200	1.016	8.330	3.175	2	1
82E	Williams	25	0.55	48	3	45	0.28	5	3	15	75	125	0.263	2.862	3.175	3	3
82E	Parnell	20	0.55	48	3	45	0.28	5	0	1	25	50	0.053	0.105	3.175	3	3