

Dunn
North Dakota

Revised 07/15/87

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 Value	I Value	HEL Class	R Value	K Value	T Value	Slope- -Percent		Slope- -Length		LS- -Value		Water HEL Class	HEL Class	
3	Straw	80	0.55	48	3	45	0.32	5	1	2	25	150	0.065	0.227	2.778	3	3
4	Arnegard	90	0.55	48	3	45	0.28	5	1	3	50	700	0.105	0.514	3.175	3	3
4B	Arnegard	90	0.55	48	3	45	0.28	5	3	6	50	500	0.233	1.503	3.175	3	3
5	Tonka	90	0.55	48	3	45	0.32	5	1	2	25	100	0.085	0.201	2.778	3	3
7	Straw	60	0.55	48	3	45	0.32	5	1	2	50	300	0.105	0.279	2.778	3	3
	Rhoades	30	0.55	48	3	45	0.32	3	1	2	50	200	0.105	0.247	1.667	3	3
8C	Cabba	55	0.55	86	1	45	0.37	2	6	9	50	200	0.475	1.659	0.956	2	3
	Chama	45	0.55	86	1	45	0.32	4	6	100	400	0.672	2.346	2.222	2	3	
9D	Amor	65	0.55	48	1	45	0.28	4	9	15	50	300	0.829	4.433	2.540	2	1
	Cabba	35	0.55	86	1	45	0.37	2	9	100	300	1.176	4.433	0.961	1	1	
9E	Cabba	65	0.55	86	1	45	0.37	2	15	50	250	1.810	24.033	0.961	1	1	
10D	Cabba	85	0.55	86	1	45	0.37	2	3	3	300	0.263	10.202	0.961	2	1	
11F	Cabba	50	0.55	86	1	45	0.37	2	15	50	250	1.810	78.255	0.961	1	1	
	Badland	30	0.55	86	1	45	0.37	2	15	50	250	1.810	78.255	0.961	1	1	
12	Banks	85	0.55	134	1	45	0.17	5	1	3	25	2100	0.085	0.715	5.229	3	3
13D	Wabek	85	0.55	56	1	45	0.28	2	1	50	300	0.105	4.433	1.270	2	1	
15	Belfield	50	0.55	48	3	45	0.32	3	1	50	700	0.105	0.514	1.667	3	3	
	Farland	40	0.55	48	3	45	0.32	5	1	50	700	0.105	0.514	2.778	3	3	
16B	Belfield	55	0.55	48	3	45	0.32	3	1	50	500	0.105	1.503	1.667	3	3	
	Savage	45	0.55	38	3	45	0.37	5	1	50	700	0.105	1.778	2.402	3	3	
18	Belfield	45	0.55	48	3	45	0.32	3	1	50	700	0.105	0.514	1.667	3	3	
	Grail	40	0.55	38	3	45	0.32	5	1	50	700	0.105	0.514	2.778	3	3	
19B	Belfield	60	0.55	48	1	45	0.32	3	1	100	450	0.129	1.426	1.667	3	3	
	Morton	40	0.55	48	1	45	0.32	4	1	100	500	0.129	1.503	2.222	3	3	
21B	Cherry	85	0.55	38	3	45	0.37	5	1	50	700	0.105	1.778	2.402	3	3	
21	Cherry	85	0.55	38	3	45	0.37	5	6	50	300	0.475	2.031	2.402	3	3	
22	Colvin	85	0.55	86	1	45	0.32	5	1	50	200	0.105	0.247	2.778	3	3	
24	Dimmick	90	0.55	86	1	45	0.28	5	1	25	100	0.065	0.201	3.175	3	3	
25F	Baahish	55	0.55	86	1	45	0.28	2	15	50	250	1.810	78.255	1.270	1	1	
	Rock outcrop	25	0.55	56	1	45	0.37	2	15	50	250	1.810	78.255	0.961	1	1	
27	Farland	85	0.55	48	3	45	0.32	5	1	100	500	0.129	0.465	2.778	3	3	
27B	Farland	85	0.55	48	3	45	0.32	5	3	100	400	0.287	1.344	2.778	3	3	
29B	Farland	60	0.55	48	3	45	0.32	5	1	100	400	0.129	1.344	2.778	3	3	
	Rhoades	25	0.55	48	3	45	0.32	3	1	50	200	0.105	0.951	1.667	3	3	
30E	Cohagen	55	0.55	86	1	45	0.24	2	9	200	500	1.658	13.170	1.481	1	1	
	Vebar	45	0.55	86	1	45	0.20	4	9	100	500	1.173	13.170	3.556	2	1	
31F	Cohagen	55	0.55	86	1	45	0.24	2	15	200	500	0.362	28.292	1.481	1	1	
	Vebar	30	0.55	86	1	45	0.20	4	15	100	500	2.559	28.292	3.556	2	1	
	Rock outcrop	15	0.55	56	1	45	0.37	2	15	100	500	2.559	28.292	0.961	1	1	
32B	Flaxton	50	0.55	86	3	45	0.20	5	1	100	200	0.129	0.951	4.444	3	3	
	Williams	35	0.55	48	3	45	0.28	5	1	50	300	0.105	1.164	3.175	3	3	
32C	Flaxton	45	0.55	86	3	45	0.20	5	6	6	9	300	0.475	2.031	4.444	3	3
	Williams	40	0.55	48	3	45	0.28	5	6	6	9	300	0.475	2.031	3.175	3	3
33	Grail	90	0.55	48	3	45	0.32	5	1	50	700	0.105	0.514	2.778	3	3	
33B	Grail	90	0.55	48	3	45	0.32	5	3	3	500	0.233	1.503	2.778	3	3	
35	Lawther	90	0.55	86	1	45	0.32	5	1	50	700	0.105	0.514	2.778	3	3	
35B	Lawther	90	0.55	86	1	45	0.32	5	3	3	500	0.233	1.503	2.778	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=		
37	Trembles	90	0.55	86	1	45	0.20	5	1	2	25	100	0.085	0.201	4.444	3	3
39	Havreton	90	0.55	86	1	45	0.32	5	1	2	25	100	0.085	0.201	2.778	3	3
40	Havreton	90	0.55	86	1	45	0.32	5	1	2	25	100	0.085	0.201	2.778	3	3
41	Heil	90	0.55	38	3	45	0.28	3	1	2	25	100	0.085	0.201	1.905	3	3
42B	Lefor	90	0.55	86	1	45	0.20	4	1	6	100	300	0.129	1.164	3.556	3	3
42C	Lefor	90	0.55	86	1	45	0.20	4	6	9	50	200	0.475	1.659	3.556	3	3
43B	Havreton	85	0.55	86	1	45	0.32	5	1	6	50	100	0.105	0.672	2.778	3	3
44B	Lihen	90	0.55	134	1	45	0.17	5	1	6	50	300	0.105	1.164	5.229	3	3
44D	Lihen	100	0.55	134	1	45	0.17	5	6	15	50	300	0.475	4.433	5.229	3	3
45B	Ruse	85	0.55	86	1	45	0.20	4	1	6	50	200	0.105	0.951	3.556	3	3
45C	Ruse	85	0.55	86	1	45	0.20	4	6	9	50	200	0.475	1.659	3.556	3	3
46	Bowdle	85	0.55	48	3	45	0.28	4	1	3	50	200	0.105	0.353	2.540	3	3
46B	Bowdle	85	0.55	48	3	45	0.28	4	3	6	50	200	0.233	0.951	2.540	3	3
47	Moreau	85	0.55	86	1	45	0.32	4	1	3	50	500	0.105	0.465	2.222	3	3
47B	Moreau	85	0.55	86	1	45	0.32	4	3	6	50	500	0.233	1.503	2.222	3	3
47C	Moreau	100	0.55	86	1	45	0.32	4	6	9	50	250	0.475	1.854	2.222	3	3
48B	Temvik	90	0.55	48	3	45	0.32	5	3	6	50	200	0.233	0.951	2.778	3	3
49	Morton	90	0.55	48	3	45	0.32	4	1	3	100	400	0.129	0.435	2.222	3	3
49B	Morton	90	0.55	48	3	45	0.32	4	3	6	100	400	0.270	1.344	2.222	3	3
49C	Morton	100	0.55	48	3	45	0.32	4	6	9	50	250	0.475	1.854	2.222	3	3
51C	Amor	100	0.55	48	3	45	0.28	4	1	9	50	300	0.105	2.031	2.540	3	3
52B	Morton	65	0.55	48	3	45	0.32	4	1	6	100	400	0.129	1.344	2.222	3	3
	Rhoades	35	0.55	48	3	45	0.32	3	1	6	50	100	0.105	0.672	1.667	3	3
52C	Morton	65	0.55	48	3	45	0.32	4	6	9	50	250	0.475	1.854	2.222	3	3
	Rhoades	35	0.55	48	3	45	0.32	3	6	9	50	100	0.475	1.173	1.667	3	3
53B	Watrous	90	0.55	48	3	45	0.28	4	1	6	100	400	0.129	1.344	2.540	3	3
54B	Parshall	90	0.55	86	1	45	0.20	5	1	6	50	300	0.105	1.164	4.444	3	3
55	Pits	100	0.55	48	1	45	0.37	1	1	6	25	100	0.085	0.672	0.480	2	1
58	Regent	85	0.55	38	3	45	0.32	4	1	3	50	500	0.105	0.465	2.222	3	3
58B	Regent	85	0.55	38	3	45	0.32	4	3	6	50	500	0.233	1.503	2.222	3	3
58C	Regent	80	0.55	38	3	45	0.32	4	6	9	50	275	0.475	1.945	2.222	3	3
61B	Regent	60	0.55	38	3	45	0.32	4	1	6	50	500	0.105	1.503	2.222	3	3
	Rhoades	30	0.55	48	3	45	0.32	3	1	6	50	200	0.105	0.951	1.667	3	3
61C	Regent	55	0.55	38	3	45	0.32	4	6	9	50	275	0.475	1.945	2.222	3	3
	Rhoades	30	0.55	48	3	45	0.32	3	6	9	25	100	0.336	1.173	1.667	3	3
62B	Rhoades	75	0.55	48	1	45	0.32	3	1	6	50	200	0.105	0.951	1.667	3	3
62D	Rhoades	55	0.55	48	1	45	0.32	3	9	15	25	100	0.586	2.559	1.667	2	1
	Cabba	45	0.55	86	1	45	0.37	2	9	15	75	300	1.016	4.433	0.961	1	1
64	Badland	85	0.55	86	1	45	0.37	2	25	120	50	200	4.165	59.993	0.961	1	1
67	Savage	85	0.55	38	3	45	0.37	5	1	3	100	700	0.129	0.514	2.402	3	3
67B	Savage	85	0.55	38	3	45	0.37	5	3	6	100	500	0.287	1.503	2.402	3	3
68	Vanda	90	0.55	86	1	45	0.37	5	1	3	50	250	0.105	0.378	2.402	3	3
69B	Savage	55	0.55	38	3	45	0.37	5	1	6	100	70	0.129	1.778	2.402	3	3
	Rhoades	25	0.55	48	3	45	0.32	3	1	6	50	200	0.105	0.951	1.667	3	3
70C	Searing	80	0.55	48	3	45	0.28	4	3	9	100	350	0.287	2.194	2.540	3	3
71B	Sen	85	0.55	48	3	45	0.32	4	3	6	100	400	0.287	1.344	2.222	3	3
71C	Sen	85	0.55	48	3	45	0.32	4	6	9	100	250	0.672	1.854	2.222	3	3

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Map Symbol	Soil Name	WIND EROSION					WATER EROSION						Revised				
		%	C Value	I Value	HEL Class	R Value	K Value	T Value	Slope- -Percent	Slope- -Length	LS- -Value	Water	Water HEL Class	Water HEL Class			
73C	Cherry	60	0.55	38	3	45	0.37	5	3	9	50	400	0.233	2.346	2.402	3	3
	Vanda	40	0.55	86	3	45	0.37	5	3	9	50	250	0.233	1.854	2.402	3	3
75	Straw	90	0.55	48	3	45	0.32	5	1	2	50	300	0.105	0.279	2.778	3	3
79	Velva	85	0.55	86	1	45	0.20	5	1	3	25	100	0.085	0.287	4.444	3	3
81B	Vebar	55	0.55	86	1	45	0.20	4	1	6	50	300	0.105	1.164	3.556	3	3
	Parshall	45	0.55	86	1	45	0.20	5	1	6	50	300	0.105	1.164	4.444	3	3
81C	Vebar	70	0.55	86	1	45	0.20	4	6	9	50	300	0.475	2.031	3.556	3	3
	Parshall	30	0.55	86	1	45	0.20	5	6	9	50	300	0.475	2.031	4.444	3	3
81D	Vebar	80	0.55	86	1	45	0.20	4	9	9	50	300	0.829	4.433	3.556	2	3
82D	Vebar	80	0.55	86	1	45	0.20	4	3	3	50	300	0.233	4.433	3.556	2	3
83E	Baahish	80	0.55	86	1	45	0.28	2	9	9	50	250	0.829	28.181	1.270	2	1
	84 Hidatsa	90	0.55	48	3	45	0.28	4	1	1	50	300	0.105	0.399	2.540	3	3
84B	Hidatsa	90	0.55	48	3	45	0.28	4	3	3	50	300	0.233	1.164	2.540	3	3
86F	Brandenburg	65	0.55	48	1	45	0.24	2	6	6	50	150	0.475	21.829	1.481	2	1
	Cabba	35	0.55	86	1	45	0.37	2	6	6	50	250	0.475	28.181	0.961	2	1
87F	Lakoa	85	0.55	48	3	45	0.32	5	15	15	45	450	3.135	32.244	2.778	1	1
	88 Williams	90	0.55	48	3	45	0.28	5	1	1	50	300	0.105	0.399	3.175	3	3
88B	Williams	85	0.55	48	3	45	0.28	5	3	3	50	300	0.233	1.164	3.175	3	3
88C	Williams	85	0.55	48	3	45	0.28	5	6	6	50	300	0.475	2.031	3.175	3	3
90C	Williams	85	0.55	48	3	45	0.28	5	1	1	50	300	0.105	2.031	3.175	3	3
91B	Williams	50	0.55	48	3	45	0.28	5	3	3	50	300	0.233	1.164	3.175	3	3
	Noonan	30	0.55	48	3	45	0.32	3	3	3	50	200	0.233	0.951	1.667	3	3
91C	Williams	50	0.55	48	3	45	0.28	5	3	3	50	300	0.233	1.164	3.175	3	3
	Noonan	30	0.55	48	3	45	0.32	3	3	3	50	200	0.233	0.951	1.667	3	3
93C	Williams	50	0.55	48	3	45	0.28	5	6	6	50	300	0.475	2.031	3.175	3	3
	Zahl	30	0.55	86	3	45	0.28	5	6	6	50	300	0.475	2.031	3.175	3	3
93D	Zahl	50	0.55	86	3	45	0.28	5	9	9	15	500	1.173	5.722	3.175	2	1
	Williams	50	0.55	48	3	45	0.28	5	9	9	15	300	1.173	4.433	3.175	2	1
93E	Zahl	50	0.55	86	3	45	0.28	5	15	15	25	500	3.135	13.170	3.175	2	1
	Williams	30	0.55	48	3	45	0.28	5	15	15	25	300	3.135	10.202	3.175	2	1
94B	Moreau	90	0.55	86	1	45	0.32	4	1	1	50	500	0.105	1.503	2.222	3	3
94E	Wayden	90	0.55	86	1	45	0.32	2	9	9	25	250	1.173	9.313	1.111	1	1
101B	Amor	85	0.55	48	3	45	0.28	4	3	3	100	400	0.287	1.344	2.540	3	3
101C	Amor	85	0.55	48	3	45	0.28	4	6	6	100	300	0.475	2.031	2.540	3	3
102	Shambo	85	0.55	48	3	45	0.28	5	1	1	100	500	0.129	0.465	3.175	3	3
102B	Shambo	85	0.55	48	3	45	0.28	5	3	3	100	500	0.287	1.503	3.175	3	3
105	Harriet	90	0.55	48	1	45	0.37	3	1	1	25	100	0.085	0.201	1.441	3	3
106B	Daglum	85	0.55	48	1	45	0.32	3	1	1	50	300	0.105	1.164	1.667	3	3
107	Aquents	90	0.55	48	3	45	0.37	5	1	1	25	100	0.085	0.201	2.402	3	3
109B	Ekalaka	90	0.55	86	1	45	0.24	3	1	1	50	300	0.105	1.164	2.222	3	3
207F	Arikara	100	0.55	48	3	45	0.28	5	9	9	75	450	1.436	65.599	3.175	2	1
208E	Cherry	60	0.55	38	1	45	0.37	5	9	9	15	300	0.829	4.433	2.402	2	1
	Cabba	40	0.55	86	1	45	0.37	2	9	9	25	250	0.908	9.313	0.961	2	1
211F	Badland	30	0.55	86	1	45	0.37	2	25	25	120	150	4.165	60.616	0.961	1	1
	Cabba	30	0.55	86	1	45	0.37	2	25	25	70	150	4.165	34.772	0.961	1	1
	Arikara	15	0.55	48	1	45	0.28	5	25	25	75	150	4.165	37.873	3.175	1	1