

Rolette
North Dakota

1-24-1994

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	Parnell sil	85	40	0.38	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
3	Southam sil	90	40	0.38	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
4	Colvin sil, wet	95	40	0.86	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
6	Eramosh peat	90	40	-	3	50	0.1	5	0	1	100	300	0.069	0.179	8.000	3	3
7	Eramosh peat, ponded	90	40	-	3	50	0.1	5	0	1	100	300	0.069	0.179	8.000	3	3
9	Arveson I, wet	90	40	0.86	1	50	0.24	4	0	1	100	300	0.069	0.179	2.667	3	3
10	Arveson I	90	40	0.86	1	50	0.24	4	0	1	100	300	0.069	0.179	2.667	3	3
12	Hecla lfs	85	40	1.34	1	50	0.17	5	0	3	100	300	0.069	0.399	4.706	3	3
13B	Maddock-Hecla lfs	70	40	1.34	1	50	0.17	5	1	6	50	100	0.105	0.672	4.706	3	3
		20	40	1.34	1	50	0.15	5	1	6	50	75	0.105	0.582	5.333	3	3
14	Hecla-Hamar lfs	55	40	1.34	1	50	0.17	5	0	3	100	300	0.069	0.399	4.706	3	3
		45	40	1.34	1	50	0.17	5	0	3	75	200	0.065	0.353	4.706	3	3
15	Ulen fsl	95	40	0.86	3	50	0.17	5	0	1	100	300	0.069	0.179	4.706	3	3
16E	Maddock lfs	95	40	1.34	1	50	0.17	5	6	25	50	150	0.475	7.214	4.706	2	3
19B	Towner lfs	90	40	1.34	1	50	0.17	5	0	6	50	150	0.060	0.823	4.706	3	3
22	Swenoda fsl	90	40	0.86	3	50	0.2	5	0	1	100	300	0.069	0.179	4.000	3	3
23B	Lanona-Swenoda fsl	50	40	0.86	3	50	0.2	5	1	6	75	200	0.118	0.951	4.000	3	3
		40	40	0.86	3	50	0.2	5	1	6	50	100	0.105	0.672	4.000	3	3
26B	Letcher fsl	75	40	0.86	1	50	0.24	3	0	6	75	200	0.065	0.951	2.000	3	3
28	Stirum fsl	90	40	0.86	1	50	0.24	3	0	1	100	300	0.069	0.179	2.000	3	3
29	Wyndmere fsl	90	40	0.86	3	50	0.2	5	0	1	100	300	0.069	0.179	4.000	3	3
30	Embsen fsl	90	40	0.86	3	50	0.2	5	0	1	100	300	0.069	0.179	4.000	3	3
31B	Egeland fsl	80	40	0.86	3	50	0.2	5	0	6	50	75	0.060	0.582	4.000	3	3
32	Glyndon sil	85	40	0.86	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
33	Colvin sil	95	40	0.86	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
34	Colvin sil, saline	95	40	0.86	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
35	Great Bend-Overly sil	45	40	0.48	3	50	0.32	5	0	3	100	300	0.069	0.399	2.500	3	3
		35	40	0.48	3	50	0.32	5	0	3	100	300	0.069	0.399	2.500	3	3
36	Bearden sil	75	40	0.86	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
37	Bearden sil, saline	85	40	0.86	3	50	0.28	5	0	3	100	300	0.069	0.399	2.857	3	3
39	Aberdeen-Nahon sil	55	40	0.48	3	50	0.32	3	0	1	75	200	0.065	0.159	1.500	3	3
		25	40	0.48	3	50	0.32	3	0	1	75	200	0.065	0.159	1.500	3	3
40	Gardena sil	90	40	0.56	3	50	0.28	5	0	1	100	300	0.069	0.179	2.857	3	3
41	Colvin, channeled	95	40	0.86	3	50	0.32	5	0	1	100	300	0.069	0.179	2.500	3	3
43B	Eckman sil	85	40	0.56	3	50	0.28	5	1	6	100	300	0.129	1.164	2.857	3	3
51	Divide I	85	40	0.86	1	50	0.28	4	0	1	100	300	0.069	0.179	2.286	3	3
52	Renshaw I	75	40	0.48	3	50	0.28	3	0	3	75	200	0.065	0.353	1.714	3	3
53B	Arvilla sl	85	40	0.86	1	50	0.2	3	0	6	75	200	0.065	0.951	2.400	3	3
54B	Sioux I	75	40	0.56	1	50	0.28	2	0	6	75	200	0.065	0.951	1.143	3	3
54E	Sioux I	80	40	0.56	1	50	0.28	2	6	25	50	100	0.475	5.890	1.143	2	1
57B	Lohnes ls	90	40	1.34	1	50	0.15	5	0	6	75	200	0.065	0.951	5.333	3	3
58E	Claire-Lohnes complex	45	40	2.2	1	50	0.15	5	6	25	50	100	0.475	5.890	5.333	2	3
		45	40	2.2	1	50	0.15	5	6	25	50	100	0.475	5.890	5.333	2	3
59	Wyrene sl	90	40	0.86	1	50	0.2	3	0	1	50	100	0.060	0.129	2.400	3	3
60	Marylsand sil	95	40	0.86	1	50	0.28	4	0	1	100	300	0.069	0.179	2.286	3	3
72	Barnes-Hamerly I	70	40	0.48	3	50	0.28	5	0	3	75	200	0.065	0.353	2.857	3	3
		25	40	0.86	3	50	0.28	5	0	3	50	100	0.060	0.287	2.857	3	3

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		%	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=	HEL Class	Class
73B Barnes-Buse I	55	40	0.48	3	50	0.28	5	3	6	50	100	0.233	0.672	2.857	3	3
73C Barnes-Buse I	60	40	0.48	3	50	0.28	5	6	9	75	150	0.582	1.436	2.857	3	3
78 Hamerly I	90	40	0.86	3	50	0.28	5	0	3	100	300	0.069	0.399	2.857	3	3
79 Hamerly I, saline	90	40	0.86	3	50	0.28	5	0	3	100	300	0.069	0.399	2.857	3	3
80 Hamerly-Tonka-Parnell complex	50	40	0.86	3	50	0.28	5	0	200	0.065	0.353	2.857	3	3	3	3
84D Buse-Barnes I	20	40	0.48	3	50	0.32	5	0	3	75	200	0.065	0.353	2.500	3	3
84E Buse-Barnes I	20	40	0.38	3	50	0.28	5	0	200	0.065	0.353	2.857	3	3	3	3
85 Cresbard-Barnes I	50	40	0.86	3	50	0.28	5	9	15	75	150	1.016	3.135	2.857	2	3
85B Barnes-Cresbard I	50	40	0.48	3	50	0.28	5	0	25	75	100	0.829	2.559	2.857	3	3
86B Cavour-Cresbard I	35	40	0.48	3	50	0.28	5	15	25	75	150	2.217	7.214	2.857	2	1
87 Miranda-Cavour I	35	40	0.48	3	50	0.28	5	15	25	50	100	1.810	5.890	2.857	2	1
89 Vallers I, saline	45	40	0.48	3	50	0.28	5	0	3	75	200	0.065	0.353	2.857	3	3
91 Heimdal-Emrick I	35	40	0.48	3	50	0.32	3	0	3	75	200	0.065	0.353	1.500	3	3
92B Heimdal-Emrick-Esmond I	50	40	0.48	3	50	0.28	5	3	6	75	150	0.263	0.823	2.857	3	3
93C Heimdal-Esmond I	20	40	0.86	3	50	0.28	5	3	6	50	100	0.233	0.672	2.857	3	3
94D Esmond-Heimdal I	65	40	0.56	3	50	0.28	5	6	9	75	150	0.582	1.436	2.857	3	3
94E Esmond-Heimdal I	30	40	0.86	3	50	0.28	5	6	9	50	75	0.475	1.016	2.857	3	3
97B Cathay-Larson I	40	40	0.86	3	50	0.28	5	9	15	75	150	1.016	3.135	2.857	2	3
101C Dickey-Esmond complex	35	40	0.56	3	50	0.28	5	9	15	50	100	0.829	2.559	2.857	3	3
102E Dickey-Esmond-Maddock complex	45	40	0.86	3	50	0.28	5	15	25	50	100	1.810	5.890	2.857	2	1
111C Bottineau	45	40	0.48	3	50	0.32	3	0	6	75	200	0.065	0.951	1.500	3	3
111E Bottineau	35	40	0.56	3	50	0.28	5	15	25	50	100	0.829	2.559	2.857	2	1
114C Kelvin I	60	40	1.34	1	50	0.17	5	3	9	75	150	0.263	1.436	4.706	3	3
114E Kelvin I	30	40	0.86	3	50	0.28	5	3	6	50	100	0.233	1.173	2.857	3	3
117B Rolla sic	35	40	1.34	1	50	0.17	5	9	9	25	100	0.829	5.890	4.706	2	3
117D Rolla sic	25	40	0.86	3	50	0.28	5	9	9	25	100	0.829	5.890	2.857	2	1
121C Metigoshe sl	25	40	1.34	1	50	0.17	5	9	9	25	100	0.829	5.890	4.706	2	3
	95	40	0.48	3	50	0.28	5	3	3	50	150	0.233	1.436	2.857	3	3
	95	40	0.48	3	50	0.28	5	9	9	25	200	1.016	8.330	2.857	2	1
	95	40	0.48	3	50	0.28	5	3	3	50	150	0.233	1.436	2.857	3	3
	95	40	0.48	3	50	0.28	5	9	9	25	200	1.016	8.330	2.857	2	1
	95	40	0.86	3	50	0.32	5	0	0	100	300	0.069	1.164	2.500	3	3
	95	40	0.86	3	50	0.32	5	6	6	100	300	0.069	1.164	2.500	3	3
	80	40	0.86	1	50	0.2	3	3	3	9	150	0.233	1.436	2.400	3	3

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		%	C Value	I Value	HEL Class	R Value	K Value	T Value	Min	Slope- Percent Max	Min	Slope- Length Max	Min		LS- Value Max	8T/RK= 2.400	Water HEL Class
	121E Metigoshe sl	85	40	0.86	1	50	0.2	3	9	25	75	200	1.016	8.330	2.400	2	1