

Griggs
North Dakota

9/19/90

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	Water HEL Class	
3	Parnell sicl	100	40	38	3	65	0.28	5	0	1	50	200	0.060	0.159	2.198	3	3
4	Colvin sil	100	40	86	3	65	0.32	5	0	1	50	200	0.060	0.159	1.923	3	3
6	Southam sicl	100	40	86	3	65	0.37	5	0	1	50	200	0.060	0.159	1.663	3	3
9B	Walsh sicl	100	40	38	3	65	0.28	5	1	6	200	400	0.159	1.344	2.198	3	3
9C	Walsh sicl	100	40	38	3	65	0.28	5	6	9	200	400	0.951	2.346	2.198	2	3
12	Swenoda fsl	100	40	86	3	65	0.2	5	0	3	50	400	0.060	0.435	3.077	3	3
13B	Swenoda fsl	60	40	86	3	65	0.2	5	3	6	50	300	0.233	1.164	3.077	3	3
	Barnes fsl	40	40	86	3	65	0.2	5	3	6	50	300	0.233	1.164	3.077	3	3
13C	Swenoda fsl	55	40	86	3	65	0.2	5	6	9	50	300	0.475	2.031	3.077	3	3
	Barnes fsl	45	40	86	3	65	0.28	5	6	9	50	300	0.475	2.031	2.198	3	3
14B	Barnes I	65	40	48	3	65	0.28	5	3	6	50	300	0.233	1.164	2.198	3	3
	Buse I	35	40	86	3	65	0.28	5	3	6	50	300	0.233	1.164	2.198	3	3
14C	Barnes I	60	40	48	3	65	0.28	5	6	9	50	300	0.475	2.031	2.198	3	3
	Buse I	40	40	86	3	65	0.28	5	6	9	50	300	0.475	2.031	2.198	3	3
15B	Svea I	60	40	48	3	65	0.28	5	3	6	50	300	0.233	1.164	2.198	3	3
	Buse I	40	40	86	3	65	0.28	5	3	6	50	300	0.233	1.164	2.198	3	3
15C	Svea I	55	40	48	3	65	0.28	5	6	9	50	300	0.475	2.031	2.198	3	3
	Buse I	45	40	86	3	65	0.28	5	6	9	50	300	0.475	2.031	2.198	3	3
17B	Barnes I	60	40	48	3	65	0.28	5	3	6	50	400	0.233	1.344	2.198	3	3
	Svea I	40	40	48	3	65	0.28	5	3	6	50	400	0.233	1.344	2.198	3	3
18	Bearden sil	100	40	86	3	65	0.28	5	0	1	50	400	0.060	0.195	2.198	3	3
20	Emrick I	55	40	56	3	65	0.28	5	0	3	50	400	0.060	0.435	2.198	3	3
	Heimdal I	45	40	56	3	65	0.28	5	0	3	50	400	0.060	0.435	2.198	3	3
20B	Heimdal I	60	40	56	3	65	0.28	5	3	6	50	400	0.233	1.344	2.198	3	3
	Emrick I	40	40	56	3	65	0.28	5	3	6	50	400	0.233	1.344	2.198	3	3
21C	Heimdal I	60	40	56	3	65	0.28	5	6	9	50	300	0.475	2.031	2.198	3	3
	Esmond I	40	40	86	3	65	0.28	5	6	9	50	300	0.475	2.031	2.198	3	3
21D	Esmond I	65	40	86	3	65	0.28	5	9	15	75	300	1.016	4.433	2.198	2	1
	Heimdal I	35	40	56	3	65	0.28	5	9	15	75	300	1.016	4.433	2.198	2	1
21F	Esmond I	70	40	86	3	65	0.28	5	15	35	100	300	2.559	17.705	2.198	1	1
	Heimdal I	30	40	56	3	65	0.28	5	15	35	100	300	2.559	17.705	2.198	1	1
23D	Buse I	55	40	86	3	65	0.28	5	9	15	75	300	1.016	4.433	2.198	2	1
	Barnes I	45	40	48	3	65	0.28	5	9	15	75	300	1.016	4.433	2.198	2	1
23F	Buse I	65	40	86	3	65	0.28	5	15	35	100	400	2.559	20.444	2.198	1	1
	Barnes I	35	40	48	3	65	0.28	5	15	35	100	400	2.559	20.444	2.198	1	1
24	Fram I	65	40	86	3	65	0.28	5	0	3	50	200	0.060	0.353	2.198	3	3
	Wyard I	35	40	48	3	65	0.28	5	0	3	50	200	0.060	0.353	2.198	3	3
25	Hamar lfs	60	40	134	1	65	0.17	5	0	1	50	400	0.060	0.195	3.620	3	3
	Hecla lfs	40	40	134	1	65	0.17	5	0	1	50	400	0.060	0.195	3.620	3	3
27	Divide I	100	40	86	1	65	0.28	4	0	3	50	400	0.060	0.435	1.758	3	3
p29	Ludden sic	100	40	86	3	65	0.28	5	0	1	50	400	0.060	0.195	2.198	3	3
p30	Ludden sic, saline	100	40	86	3	65	0.28	5	0	1	50	400	0.060	0.195	2.198	3	3
32	Emdbden fsl	100	40	86	3	65	0.2	5	0	1	50	400	0.060	0.195	3.077	3	3
p33B	Emdbden fsl	60	40	86	3	65	0.2	5	1	6	50	300	0.105	1.164	3.077	3	3
	Egeland fsl	40	40	86	3	65	0.2	5	1	6	50	300	0.105	1.164	3.077	3	3
35	Colvin sicl, saline	60	40	86	3	65	0.32	5	0	1	50	200	0.060	0.159	1.923	3	3
	Bearden sicl, saline	40	40	86	3	65	0.32	5	0	1	50	300	0.060	0.179	1.923	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 HEL Class	Water HEL Class	
39B	Gardena sil	60	40	56	3	65	0.28	5	3	6	50	300	0.233	1.164	2.198	3	3
	Eckman sil	40	40	56	3	65	0.28	5	3	6	50	300	0.233	1.164	2.198	3	3
39C	Eckman sil	55	40	56	3	65	0.28	5	6	6	50	300	0.475	2.031	2.198	3	3
	Zell sil	45	40	86	3	65	0.32	5	6	6	50	300	0.475	2.031	1.923	2	3
40E	Zell sil	70	40	86	3	65	0.32	5	9	9	25 75	300	1.016	10.202	1.923	2	1
	Eckman sil	30	40	56	3	65	0.28	5	9	9	25 75	300	1.016	10.202	2.198	2	1
43	Gardena sil	100	40	56	3	65	0.28	5	0	0	3 50	400	0.060	0.435	2.198	3	3
p44	Swenoda fsl	60	40	86	3	65	0.2	5	0	0	3 50	250	0.060	0.378	3.077	3	3
	Letcher fsl	40	40	86	1	65	0.2	3	0	0	3 50	250	0.060	0.378	1.846	3	3
p45	Larson I	60	40	56	3	65	0.32	3	0	0	3 50	300	0.060	0.399	1.154	3	3
	Cathay I	40	40	48	3	65	0.32	3	0	0	3 50	300	0.060	0.399	1.154	3	3
p46	Emrick I	60	40	56	3	65	0.28	5	0	0	3 50	400	0.060	0.435	2.198	3	3
	Cathay I	40	40	48	3	65	0.32	3	0	0	3 50	400	0.060	0.435	1.154	3	3
p49	Harriet sil	100	40	48	3	65	0.37	3	0	0	1 50	200	0.060	0.159	0.998	3	3
50	Hamerly I	70	40	86	3	65	0.28	5	0	0	3 50	200	0.060	0.353	2.198	3	3
	Tonka sil	30	40	48	3	65	0.32	5	0	0	1 50	200	0.060	0.159	1.923	3	3
51B	Towner lfs	100	40	134	1	65	0.17	5	0	0	6 50	300	0.060	1.164	3.620	3	3
53	Lamoure sil	60	40	86	3	65	0.28	5	0	0	1 50	150	0.060	0.146	2.198	3	3
	Rauville sil	40	40	86	3	65	0.28	5	0	0	1 50	200	0.060	0.159	2.198	3	3
56	LaDelle sil	100	40	38	3	65	0.28	5	0	0	3 50	400	0.060	0.435	2.198	3	3
58B	Maddock lfs	60	40	134	1	65	0.17	5	1	1	6 25	300	0.085	1.164	3.620	3	3
	Hecla lfs	40	40	134	1	65	0.17	5	1	1	6 25	300	0.085	1.164	3.620	3	3
59D	Maddock lfs	57	40	134	1	65	0.17	5	6	6	15 50	300	0.475	4.433	3.620	2	3
	Esmond I	27	40	86	3	65	0.28	5	6	6	15 50	250	0.475	4.047	2.198	2	1
	Embsen fsl	16	40	86	3	65	0.2	5	6	6	9 50	250	0.475	1.854	3.077	3	3
p60	Arveson fsl, saline	100	40	86	1	65	0.17	4	0	0	1 50	300	0.060	0.179	2.896	3	3
62	Walum sl	100	40	86	1	65	0.2	3	0	0	3 50	250	0.060	0.378	1.846	3	3
64	Pits, sand and gravel	100	40	0	ERROR	65	0	0	0	0	1 50	400	0.060	0.195	ERROR	ERROR	ERROR
65	Svea I	65	40	48	3	65	0.28	5	0	0	3 50	400	0.060	0.435	2.198	3	3
	Barnes I	35	40	48	3	65	0.28	5	0	0	3 50	400	0.060	0.435	2.198	3	3
66	Hamerly I	65	40	86	3	65	0.28	5	0	0	3 50	250	0.060	0.378	2.198	3	3
	Wyand I	35	40	48	3	65	0.28	5	0	0	3 50	250	0.060	0.378	2.198	3	3
67	Fram I	60	40	86	3	65	0.28	5	0	0	3 50	250	0.060	0.378	2.198	3	3
	Tonka sil	40	40	48	3	65	0.32	5	0	0	1 50	200	0.060	0.159	1.923	3	3
71	Vallers I	60	40	86	3	65	0.28	5	0	0	1 50	200	0.060	0.159	2.198	3	3
	Parnell sil	40	40	38	3	65	0.28	5	0	0	1 50	200	0.060	0.159	2.198	3	3
72	Vallers I, saline	60	40	86	3	65	0.28	5	0	0	1 50	400	0.060	0.195	2.198	3	3
	Hamerly I, saline	40	40	86	3	65	0.28	5	0	0	3 50	400	0.060	0.435	2.198	3	3
74	Velva fsl	100	40	86	3	65	0.2	5	0	0	3 50	400	0.060	0.435	3.077	3	3
p76	Wyndmere fsl	100	40	86	3	65	0.2	5	0	0	1 50	400	0.060	0.195	3.077	3	3
78	Marysland I, wet	100	40	86	1	65	0.28	4	0	0	1 50	200	0.060	0.159	1.758	3	3
80	Marysland I,	100	40	86	1	65	0.28	4	0	0	1 50	200	0.060	0.159	1.758	3	3
81	Edgeley I	100	40	48	3	65	0.28	4	0	0	3 50	400	0.060	0.435	1.758	3	3
81B	Edgeley I	100	40	48	3	65	0.28	4	3	3	6 50	400	0.233	1.344	1.758	3	3
81C	Edgeley I	100	40	48	3	65	0.28	4	6	6	9 50	300	0.475	2.031	1.758	2	3
83F	Edgeley sil	45	40	38	3	65	0.32	4	9	9	35 75	400	1.016	20.444	1.538	2	1
	Kloten sil	35	40	48	1	65	0.32	2	9	9	35 75	400	1.016	20.444	0.769	1	1

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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	8T/RK=	Water HEL Class	Water HEL Class			
	Esmond l	20	40	86	3	65	0.28	5	9	35	75	400	1.016	20.444	2.198	2	1
p85	Miranda l	100	40	48	3	65	0.32	3	0	1	50	200	0.060	0.159	1,154	3	3
p86	Cavour l	60	40	48	3	65	0.37	3	0	3	50	300	0.060	0.399	0.998	3	3
	Cresbard l	40	40	48	3	65	0.32	3	0	3	50	300	0.060	0.399	1.154	3	3
p87	Svea l	65	40	48	3	65	0.28	5	0	3	50	400	0.060	0.435	2.198	3	3
	Cresbard l	35	40	48	3	65	0.32	3	0	3	50	400	0.060	0.435	1.154	3	3
p89	Stirum fsl	100	40	86	1	65	0.24	3	0	1	50	200	0.060	0.159	1.538	3	3
p91	Arveson fsl	100	40	86	1	65	0.17	4	0	2	50	200	0.060	0.247	2.896	3	3
94	Kensal l	100	40	56	3	65	0.28	4	0	1	50	400	0.060	0.195	1.758	3	3
96B	Binford sl	65	40	86	1	65	0.2	3	0	6	50	300	0.060	1.164	1.846	3	3
	Coe sl	35	40	86	1	65	0.2	2	0	6	50	300	0.060	1.164	1.231	3	3
97	Brantford l	100	40	48	3	65	0.28	3	0	3	50	300	0.060	0.399	1.319	3	3
99E	Coe grsl	70	40	42	1	65	0.2	2	6	25	50	300	0.475	10.202	1.231	2	1
	Binford sl	30	40	86	1	65	0.2	3	6	25	50	300	0.475	10.202	1.846	2	1
102B	Hamerly l, very stony	40	40	1	3	65	0.28	5	0	6	50	250	0.060	1.063	2.198	3	3
	Barnes l, very stony	35	40	1	3	65	0.28	5	1	6	50	400	0.105	1.344	2.198	3	3
	Tonka sil, very stony	25	40	1	3	65	0.28	5	0	1	50	200	0.060	0.159	2.198	3	3