

Steele
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	HEL Class	
3-	Parnell sicl	90	0.40	38	3	70	0.28	5	0	1	50	100	0.060	0.129	2.041	3	3
4-	Marysland I	85	0.40	86	1	70	0.28	4	0	1	50	200	0.060	0.159	1.633	3	3
5-	Vallers I	50	0.40	86	3	70	0.28	5	0	1	50	150	0.060	0.146	2.041	3	3
	Parnell sicl	40	0.40	38	3	70	0.28	5	0	1	50	150	0.060	0.146	2.041	3	3
6-	Southam sicl	100	0.40	38	3	70	0.37	5	0	1	50	200	0.060	0.159	1.544	3	3
9-	Arveson I	100	0.40	86	1	70	0.24	4	0	1	50	100	0.060	0.129	1.905	3	3
p11	Svea I	65	0.40	48	3	70	0.28	5	0	3	50	200	0.060	0.353	2.041	3	3
	Cresbard I	35	0.40	48	3	70	0.32	3	0	3	50	200	0.060	0.353	1.071	3	3
p13	Cavour I	65	0.40	48	3	70	0.37	3	0	3	50	150	0.060	0.324	0.927	3	3
	Cresbard I	35	0.40	48	3	70	0.32	3	0	3	50	150	0.060	0.324	1.071	3	3
14B	Barnes I	60	0.40	48	3	70	0.28	5	3	6	50	150	0.233	0.823	2.041	3	3
	Buse I	30	0.40	86	3	70	0.28	5	3	6	50	150	0.233	0.823	2.041	3	3
14C	Barnes I	50	0.40	48	3	70	0.28	5	6	9	50	150	0.475	1.436	2.041	3	3
	Buse I	45	0.40	86	3	70	0.28	5	6	9	50	150	0.475	1.436	2.041	3	3
15B	Svea I	50	0.40	48	3	70	0.28	5	3	6	50	150	0.233	0.823	2.041	3	3
	Buse I	35	0.40	86	3	70	0.28	5	3	6	50	150	0.233	0.823	2.041	3	3
15C	Svea I	45	0.40	48	3	70	0.28	5	6	9	50	150	0.475	1.436	2.041	3	3
	Buse I	40	0.40	86	3	70	0.28	5	6	9	50	150	0.475	1.436	2.041	3	3
17B	Barnes I	50	0.40	48	3	70	0.28	5	3	6	50	200	0.233	0.951	2.041	3	3
	Svea I	35	0.40	48	3	70	0.28	5	3	6	50	200	0.233	0.951	2.041	3	3
18-	Svea I	60	0.40	48	3	70	0.28	5	0	3	50	200	0.060	0.353	2.041	3	3
	Barnes I	40	0.40	48	3	70	0.28	5	0	3	50	200	0.060	0.353	2.041	3	3
19-	Hamerly I	55	0.40	86	3	70	0.28	5	0	3	50	200	0.060	0.353	2.041	3	3
	Wyard I	35	0.40	48	3	70	0.28	5	0	1	50	200	0.060	0.159	2.041	3	3
20B	Hamerly I	75	0.40	86	3	70	0.28	5	3	6	50	150	0.233	0.823	2.041	3	3
21-	Hamerly I	60	0.40	86	3	70	0.28	5	0	3	50	150	0.060	0.324	2.041	3	3
	Tonka sil	35	0.40	48	3	70	0.32	5	0	1	50	150	0.060	0.146	1.786	3	3
23D	Buse I	50	0.40	86	3	70	0.28	5	9	15	50	250	0.829	4.047	2.041	2	1
	Barnes I	40	0.40	48	3	70	0.28	5	9	15	50	250	0.829	4.047	2.041	2	1
23F	Buse I	50	0.40	86	3	70	0.28	5	15	35	100	400	2.559	20.440	2.041	1	1
	Barnes I	45	0.40	48	3	70	0.28	5	15	35	100	400	2.559	20.444	2.041	1	1
25-	Hamerly I, saline	50	0.40	86	3	70	0.28	5	0	3	50	200	0.060	0.353	2.041	3	3
	Vallers I, saline	50	0.40	86	3	70	0.28	5	0	1	50	200	0.060	0.159	2.041	3	3
26-	Emrick I	60	0.40	56	3	70	0.28	5	0	3	50	150	0.060	0.324	2.041	3	3
	Heimdal I	40	0.40	56	3	70	0.28	5	0	3	50	150	0.060	0.324	2.041	3	3
27B	Heimdal I	60	0.40	56	3	70	0.28	5	3	6	50	150	0.233	0.823	2.041	3	3
	Emrick I	40	0.40	56	3	70	0.28	5	3	6	50	150	0.233	0.823	2.041	3	3
28C	Heimdal I	60	0.40	56	3	70	0.28	5	6	9	50	200	0.475	1.659	2.041	3	3
	Esmond I	40	0.40	86	3	70	0.28	5	6	9	50	200	0.475	1.659	2.041	3	3
28D	Esmond I	60	0.40	86	3	70	0.28	5	9	15	50	200	0.829	3.620	2.041	2	1
	Heimdal I	40	0.40	56	3	70	0.28	5	9	15	50	200	0.829	3.620	2.041	2	1
30-	Gardena I	100	0.40	56	3	70	0.28	5	0	3	50	200	0.060	0.353	2.041	3	3
31-	Glyndon sil	100	0.40	86	3	70	0.28	5	0	1	50	150	0.060	0.146	2.041	3	3
32-	Colvin sil	100	0.40	86	3	70	0.32	5	0	1	50	150	0.060	0.146	1.786	3	3
33-	Bearden sicl	60	0.40	86	3	70	0.28	5	0	1	50	150	0.060	0.146	2.041	3	3
	Perella sicl	30	0.40	38	3	70	0.28	5	0	1	50	150	0.060	0.146	2.041	3	3
36-	Colvin sil, saline	100	0.40	86	3	70	0.32	5	0	1	50	100	0.060	0.129	1.786	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 Min	Slope- -Length Max Min	LS- -Value Max	8T/RK=	HEL Class	Class			
37- Overly sicl		100	0.40	38	3	70	0.32	5	0	3	50	150	0.060	0.324	1.786	3	3
40C Zell sil		60	0.40	86	3	70	0.32	5	6	9	50	250	0.475	1.854	1.786	2	3
Overly sil		40	0.40	48	3	70	0.32	5	6	9	50	250	0.475	1.854	1.786	2	3
40E Zell sil		70	0.40	86	3	70	0.32	5	9	25	50	250	0.829	9.313	1.786	2	1
Overly sil		30	0.40	48	3	70	0.32	5	9	15	50	250	0.829	4.047	1.786	2	1
p41 Lankin l		100	0.40	48	3	70	0.28	5	0	1	50	200	0.060	0.159	2.041	3	3
p42 Gilby l		100	0.40	86	3	70	0.28	5	0	1	50	150	0.060	0.146	2.041	3	3
p44 Antler cl		100	0.40	86	3	70	0.28	5	0	1	25	150	0.053	0.146	2.041	3	3
p45 Antler cl, saline		100	0.40	86	3	70	0.28	5	0	1	25	150	0.053	0.146	2.041	3	3
49B Walsh sicl		100	0.40	38	3	70	0.28	5	1	6	100	400	0.129	1.344	2.041	3	3
54- Lamoure sil		50	0.40	86	3	70	0.28	5	0	3	50	100	0.060	0.287	2.041	3	3
Rauville sil		50	0.40	86	3	70	0.28	5	0	3	50	100	0.060	0.287	2.041	3	3
56- LaDelle sil		100	0.40	48	3	70	0.28	5	0	3	50	150	0.060	0.324	2.041	3	3
57B Velva fsl		100	0.40	86	3	70	0.2	5	0	6	25	50	0.053	0.475	2.857	3	3
p60B Arvilla sl		100	0.40	86	1	70	0.2	3	0	6	50	150	0.060	0.823	1.714	3	3
65- Pits, sand and gravel			0.40		ERROR	70							0.000	0.000	ERROR	ERROR	ERROR
66- Divide l		100	0.40	86	1	70	0.28	4	0	3	50	200	0.060	0.353	1.633	3	3
68B Binford sl		65	0.40	86	1	70	0.2	3	0	6	50	150	0.060	0.823	1.714	3	3
Coe sl		35	0.40	86	1	70	0.15	2	0	6	50	150	0.060	0.823	1.524	3	3
68E Coe grsl		60	0.40	42	1	70	0.15	2	6	25	25	200	0.336	8.330	1.524	2	1
Binford sl		40	0.40	86	1	70	0.2	3	6	15	25	200	0.336	3.620	1.714	2	1
69- Brantford l		100	0.40	48	3	70	0.28	3	0	3	50	200	0.060	0.353	1.224	3	3
70- Embden fsl		100	0.40	86	3	70	0.2	5	0	1	50	250	0.060	0.170	2.857	3	3
71B Embden fsl		65	0.40	86	3	70	0.2	5	1	6	50	200	0.105	0.951	2.857	3	3
Egeland fsl		35	0.40	86	3	70	0.2	5	1	6	50	200	0.105	0.951	2.857	3	3
74- Swenoda fsl		100	0.40	86	3	70	0.2	5	0	1	50	200	0.060	0.159	2.857	3	3
78- Hecla lfs		100	0.40	134	1	70	0.17	5	0	1	50	250	0.060	0.170	3.361	3	3
79B Maddock lfs		60	0.40	134	1	70	0.17	5	1	6	50	150	0.105	0.823	3.361	3	3
Hecla lfs		40	0.40	134	1	70	0.17	5	1	3	50	150	0.105	0.324	3.361	3	3
80D Maddock lfs		55	0.40	134	1	70	0.17	5	6	15	100	250	0.672	4.047	3.361	2	3
Esmond l		25	0.40	86	3	70	0.28	5	6	15	75	250	0.582	4.047	2.041	2	1
Embden fsl		20	0.40	86	3	70	0.2	5	6	9	75	200	0.582	1.659	2.857	3	3
81- Edgeley sil		100	0.40	48	3	70	0.28	4	0	3	50	250	0.060	0.378	1.633	3	3
83F Edgeley sil		50	0.40	48	3	70	0.28	4	9	35	75	400	1.016	20.444	1.633	2	1
Koten sil		32	0.40	48	1	70	0.32	2	9	35	75	400	1.016	20.444	0.714	1	1
Esmond l		18	0.40	86	3	70	0.28	5	9	35	75	400	1.016	20.444	2.041	2	1
p93 Miranda l		100	0.40	48	3	70	0.32	3	0	1	25	100	0.053	0.129	1.071	3	3
95- Wyndmere fsl, silty sub.		60	0.40	86	3	70	0.2	5	0	1	25	100	0.053	0.129	2.857	3	3
Tiffany l, silty sub.		40	0.40	56	3	70	0.2	5	0	1	25	100	0.053	0.129	2.857	3	3
97- Kratka fsl		100	0.40	86	3	70	0.17	5	0	1	25	100	0.053	0.129	3.361	3	3
98- Glyndon sil		70	0.40	86	3	70	0.28	5	0	1	25	100	0.053	0.129	2.041	3	3
Perella sil		30	0.40	48	3	70	0.28	5	0	1	25	100	0.053	0.129	2.041	3	3
99- Fram l		65	0.40	86	3	70	0.28	5	0	3	25	100	0.053	0.287	2.041	3	3
Wyard l		35	0.40	48	3	70	0.28	5	0	1	25	100	0.053	0.129	2.041	3	3
105- Aberdeen sicl		100	0.40	38	3	70	0.32	3	0	1	25	100	0.053	0.129	1.071	3	3
156- LaDelle sicl		100	0.40	38	3	70	0.28	5	0	3	25	250	0.053	0.378	2.041	3	3