

Cass  
North Dakota

4/19/1988

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				
			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	
1	Fargo sic	70	35.00	86	3	75	0.32	5	0	2	25	300	0.053	0.279	1.667	3	3	
	Enloe sic	30	35.00	86	3	75	0.32	5	0	2	25	300	0.053	0.279	1.667	3	3	
2	Tonka sil	100	35.00	48	3	75	0.32	5	0	1	25	200	0.053	0.159	1.667	3	3	
3	Parnell sicl	100	35.00	38	3	75	0.28	5	0	1	25	300	0.053	0.179	1.905	3	3	
4	Perella sicl	100	35.00	38	3	75	0.28	5	0	1	25	300	0.053	0.179	1.905	3	3	
5	Dovray sic	100	35.00	86	3	75	0.28	5	0	2	25	100	0.053	0.201	1.905	3	3	
6	Parnell sicl, ponded	100	35.00	38	3	75	0.28	5	0	1	25	300	0.053	0.179	1.905	3	3	
9C	Nutley sic	60	35.00	86	3	75	0.28	5	1	9	25	100	0.085	1.173	1.905	3	3	
	Fargo sic	40	35.00	86	3	75	0.32	5	1	9	25	100	0.085	1.173	1.667	3	3	
10	Fargo sic	65	35.00	86	3	75	0.32	5	0	3	25	200	0.053	0.353	1.667	3	3	
	Ryan sic	35	35.00	86	1	75	0.28	3	0	3	25	200	0.053	0.353	1.143	3	3	
11	Nahon sil	100	35.00	48	3	75	0.32	3	0	2	25	100	0.053	0.201	1.000	3	3	
12	Hegne sic	60	35.00	86	3	75	0.32	5	0	2	25	300	0.053	0.279	1.667	3	3	
	Enloe sic	40	35.00	86	3	75	0.28	5	0	2	25	300	0.053	0.279	1.905	3	3	
14B	Barnes I	65	35.00	48	3	75	0.28	5	3	6	25	200	0.189	0.951	1.905	3	3	
	Buse I	35	35.00	86	3	75	0.28	5	3	6	25	100	0.189	0.672	1.905	3	3	
14C	Barnes I	60	35.00	48	3	75	0.28	5	6	9	25	200	0.336	1.659	1.905	3	3	
	Buse I	40	35.00	86	3	75	0.28	5	6	9	25	100	0.336	1.173	1.905	3	3	
14D	Barnes I	60	35.00	48	3	75	0.28	5	9	15	100	300	1.173	4.433	1.905	2	1	
	Buse I	40	35.00	86	3	75	0.28	5	9	15	100	300	1.173	4.433	1.905	2	1	
15	Emrick I	65	35.00	56	3	75	0.28	5	1	3	25	200	0.085	0.353	1.905	3	3	
	Heimdal I	35	35.00	56	3	75	0.28	5	1	3	25	200	0.085	0.353	1.905	3	3	
15B	Heimdal I	65	35.00	56	3	75	0.28	5	3	6	25	200	0.189	0.951	1.905	3	3	
	Emrick I	35	35.00	56	3	75	0.28	5	3	6	25	200	0.189	0.951	1.905	3	3	
15C	Heimdal I	65	35.00	56	3	75	0.28	5	6	9	25	200	0.336	1.659	1.905	3	3	
	Esmond I	35	35.00	86	3	75	0.28	5	6	9	25	200	0.336	1.659	1.905	3	3	
15D	Esmond I	60	35.00	86	3	75	0.28	5	9	15	100	300	1.173	4.433	1.905	2	1	
	Heimdal I	40	35.00	56	3	75	0.28	5	9	15	100	300	1.173	4.433	1.905	2	1	
16B	Barnes I	60	35.00	48	3	75	0.28	5	3	6	25	200	0.189	0.951	1.905	3	3	
	Sioux I	40	35.00	56	1	75	0.28	2	3	6	25	200	0.189	0.951	0.762	2	3	
16C	Barnes I	60	35.00	48	3	75	0.28	5	6	9	25	200	0.336	1.659	1.905	3	3	
	Sioux I	40	35.00	56	1	75	0.28	2	6	9	25	200	0.336	1.659	0.762	2	1	
16D	Barnes I	60	35.00	48	3	75	0.28	5	9	15	100	300	1.173	4.433	1.905	2	1	
	Sioux I	40	35.00	56	1	75	0.28	2	9	15	100	300	1.173	4.433	0.762	1	1	
17B	Barnes I	60	35.00	48	3	75	0.28	5	2	5	25	200	0.132	0.757	1.905	3	3	
	Svea I	40	35.00	48	3	75	0.28	5	2	5	25	200	0.132	0.757	1.905	3	3	
18	Bearden sicl	100	35.00	86	3	75	0.28	5	0	2	25	300	0.053	0.279	1.905	3	3	
19	Colvin sicl, saline	100	35.00	86	3	75	0.32	5	0	0	1	25	300	0.053	0.092	1.667	3	3
20	Bearden sicl, saline	100	35.00	86	3	75	0.28	5	0	2	25	300	0.053	0.279	1.905	3	3	
22	Bearden sicl	60	35.00	86	3	75	0.28	5	0	2	25	300	0.053	0.279	1.905	3	3	
	Perella sicl	40	35.00	38	3	75	0.28	5	0	2	25	300	0.053	0.279	1.905	3	3	
23F	Buse I	60	35.00	86	3	75	0.28	5	15	35	25	200	1.280	14.456	1.905	2	1	
	Barnes I	40	35.00	48	3	75	0.28	5	15	35	25	200	1.280	14.456	1.905	2	1	
24	Cahsel sic	100	35.00	86	3	75	0.32	5	0	2	25	100	0.053	0.201	1.667	3	3	
25	Cashel sic, channeled	100	35.00	86	3	75	0.32	5	2	25	25	100	0.132	5.890	1.667	2	1	
26	Colvin sicl, saline	100	35.00	86	3	75	0.32	5	0	0	1	25	300	0.053	0.092	1.667	3	3
27	Divide I	100	35.00	86	3	75	0.29	4	0	6	25	200	0.053	0.951	1.524	3	3	

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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=	HEL Class	Class
29	Fargo sic, saline	100	35.00	86	3	75	0.32	5	0	2	25	300	0.053	0.279	1.667	3	3
31B	Embden fsl, gr. Substr.	100	35.00	86	3	75	0.2	5	1	6	25	200	0.085	0.951	2.667	3	3
32	Fargo sic	100	35.00	86	3	75	0.32	5	1	3	25	300	0.085	0.399	1.667	3	3
35	Fairdale sil	100	35.00	48	3	75	0.32	5	1	3	25	100	0.085	0.287	1.667	3	3
36	Fargo sic	100	35.00	86	3	75	0.32	5	0	2	25	300	0.053	0.279	1.667	3	3
37	Fargo sic, depressional	100	35.00	86	3	75	0.32	5	0	2	25	300	0.053	0.279	1.667	3	3
38	Fargo sicl	100	35.00	38	3	75	0.32	5	0	2	25	300	0.053	0.279	1.667	3	3
39	Galchutt sil	100	35.00	48	3	75	0.32	4	0	1	25	300	0.053	0.179	1.333	3	3
40	Fargo sic	65	35.00	86	3	75	0.32	5	0	2	25	300	0.053	0.279	1.667	3	3
	Hegne sic	35	35.00	86	3	75	0.32	5	0	2	25	300	0.053	0.279	1.667	3	3
41	Hegne sicl	65	35.00	86	3	75	0.32	5	0	2	25	300	0.053	0.279	1.667	3	3
	Fargo sicl	35	35.00	38	3	75	0.32	5	0	2	25	300	0.053	0.279	1.667	3	3
43	Gardena sil	100	35.00	56	3	75	0.28	5	0	3	25	300	0.053	0.399	1.905	3	3
46	Gardena sil	60	35.00	56	3	75	0.28	5	0	3	25	300	0.053	0.399	1.905	3	3
	Glyndon sil	40	35.00	86	3	75	0.28	5	0	3	25	300	0.053	0.399	1.905	3	3
47	Fargo sic, smooth surface	100	35.00	86	3	75	0.32	5	0	1	25	300	0.053	0.179	1.667	3	3
48	Glyndon sil	100	35.00	86	3	75	0.28	5	0	3	25	300	0.053	0.399	1.905	3	3
49	Glyndon sil, aline	100	35.00	86	3	75	0.28	5	0	3	25	300	0.053	0.399	1.905	3	3
50	Hamerly I	65	35.00	86	3	75	0.28	5	0	3	25	100	0.053	0.287	1.905	3	3
	Tonka I	35	35.00	48	3	75	0.32	5	0	3	25	100	0.053	0.287	1.667	3	3
50B	Hamerly I	100	35.00	86	3	75	0.28	5	3	6	25	100	0.189	0.672	1.905	3	3
51	Hamerly I, saline	100	35.00	86	3	75	0.28	5	0	3	25	100	0.053	0.287	1.905	3	3
54	Lamoure sicl	100	35.00	86	3	75	0.28	5	0	2	25	100	0.053	0.201	1.905	3	3
55	LaDelle sicl	100	35.00	38	3	75	0.28	5	0	9	25	100	0.053	1.173	1.905	3	3
57	Fardale sil, channeled	100	35.00	48	3	75	0.28	5	0	5	25	100	0.053	0.535	1.905	3	3
58B	Maddock fsl	100	35.00	86	3	75	0.17	5	1	6	25	100	0.085	0.672	3.137	3	3
59	Overly sicl	100	35.00	38	3	75	0.32	5	0	3	25	300	0.053	0.399	1.667	3	3
59B	Overly sicl	100	35.00	38	3	75	0.32	5	3	6	25	200	0.189	0.951	1.667	3	3
61	Perella sicl	65	35.00	38	3	75	0.28	5	0	3	25	300	0.053	0.399	1.905	3	3
	Bearden sicl	35	35.00	86	3	75	0.28	5	0	3	25	300	0.053	0.399	1.905	3	3
	Overly sil	65	35.00	48	3	75	0.32	5	0	3	25	300	0.053	0.399	1.667	3	3
	Bearden sil	35	35.00	86	3	75	0.28	5	0	3	25	300	0.053	0.399	1.905	3	3
63B	Renshaw I	60	35.00	48	3	75	0.28	3	1	6	25	200	0.085	0.951	1.143	3	3
	Sioux I	40	35.00	56	1	75	0.28	2	1	6	25	200	0.085	0.951	0.762	2	3
63C	Sioux grsl	100	35.00	42	3	75	0.2	2	3	9	25	200	0.189	1.659	1.067	2	3
65	Svea I	65	35.00	48	3	75	0.28	5	0	2	25	300	0.053	0.279	1.905	3	3
	Barnes I	35	35.00	48	3	75	0.28	5	0	2	25	300	0.053	0.279	1.905	3	3
66	Wyard I	65	35.00	48	3	75	0.28	5	1	3	25	100	0.085	0.287	1.905	3	3
	hamerly I	35	35.00	86	3	75	0.28	5	1	3	25	100	0.085	0.287	1.905	3	3
67	Galchutt fsl	100	35.00	86	3	75	0.32	4	0	1	25	300	0.053	0.179	1.333	3	3
71	Vallers I	100	35.00	86	3	75	0.28	5	0	3	25	300	0.053	0.399	1.905	3	3
72	Wahpeton sic	100	35.00	86	3	75	0.28	5	0	15	25	200	0.053	3.620	1.905	2	3
73	Rauville sicl	100	35.00	86	3	75	0.28	5	0	2	25	300	0.053	0.279	1.905	3	3
76	Wyndmere sil	100	35.00	86	3	75	0.2	5	0	3	25	200	0.053	0.353	2.667	3	3
76B	Wyndmere sil	100	35.00	86	3	75	0.2	5	3	6	25	200	0.189	0.951	2.667	3	3
77	Vallers I, saline	100	35.00	86	3	75	0.28	5	0	3	25	300	0.053	0.399	1.905	3	3
78B	Svea I	65	35.00	48	3	75	0.28	5	3	6	25	300	0.189	1.164	1.905	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	8T/RK=	HEL Class	Class			
	Buse I	35	35.00	86	3	75	0.28	5	3	6	25	300	0.189	1.164	1.905	3	3
80	Wyndmere I	65	35.00	86	3	75	0.2	5	0	3	25	200	0.053	0.353	2.667	3	3
	Tiffany I	35	35.00	56	3	75	0.28	5	0	3	25	200	0.053	0.353	1.905	3	3
82	Glyndon sil	65	35.00	86	3	75	0.28	5	0	3	25	200	0.053	0.353	1.905	3	3
	Tiffany sil	35	35.00	56	3	75	0.28	5	0	3	25	200	0.053	0.353	1.905	3	3
83	Galchutt sicl	60	35.00	38	3	75	0.32	4	0	2	25	300	0.053	0.279	1.333	3	3
	Fargo sicl	40	35.00	38	3	75	0.32	5	0	2	25	300	0.053	0.279	1.667	3	3
84	Bearden sicl	65	35.00	86	3	75	0.28	5	0	1	25	300	0.053	0.179	1.905	3	3
	Lindaas sicl	35	35.00	38	3	75	0.32	5	0	1	25	300	0.053	0.179	1.667	3	3
85	Fairdale Variant sil	100	35.00	48	3	75	0.32	5	1	3	25	200	0.053	0.353	1.667	3	3