

Grand Forks County
North Dakota

4-15-1987

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	I	HEL	R	Slope- -Percent		Slope- -Length		LS- -Value		Water	HEL			
			Value	Value	Class	Value	Value	Value	Value	Min	Max	Min	Max	8T/RK=	Class	Class	
2	Parnell sil	90	0.40	48	3	65	0.28	5	0	1	10	50	0.044	0.105	2.198	3	3
3	Vallers I	90	0.40	86	3	65	0.28	5	0	1	10	100	0.044	0.129	2.198	3	3
4	Arveson I	95	0.40	86	3	65	0.24	4	0	1	50	125	0.060	0.138	2.051	3	3
8	Colvin sicl	97	0.40	86	3	65	0.32	5	0	1	20	80	0.050	0.121	1.923	3	3
10	Lamoure sicl	92	0.40	86	3	65	0.28	5	0	1	20	100	0.050	0.129	2.198	3	3
11	Dovray c	97	0.40	86	3	65	0.28	5	0	1	20	100	0.050	0.129	2.198	3	3
12	Svea I	95	0.40	48	3	65	0.28	5	0	3	20	150	0.050	0.324	2.198	3	3
13B	Barnes I	93	0.40	48	3	65	0.28	5	3	6	20	100	0.177	0.672	2.198	3	3
15D	Buse-Barnes I	55	0.40	86	3	65	0.28	5	1	15	50	125	0.105	2.862	2.198	2	3
	Barnes I	35	0.40	48	3	65	0.28	5	1	15	50	125	0.105	2.862	2.198	2	3
15E	Buse-Svea I	60	0.40	86	3	65	0.28	5	1	25	50	125	0.105	6.585	2.198	2	1
	Svea I	30	0.40	48	3	65	0.28	5	1	25	50	125	0.105	6.585	2.198	2	1
16	Lallie sicl, ponded	90	0.40	86	3	65	0.37	5	0	1	10	50	0.044	0.105	1.663	3	3
17	Vang I	95	0.40	48	3	65	0.28	4	0	3	20	75	0.050	0.263	1.758	3	3
19	Hamerly I	95	0.40	86	3	65	0.28	5	1	3	10	60	0.065	0.246	2.198	3	3
23	Cresbardp-Cavour I	50	0.40	48	3	65	0.32	3	1	6	10	75	0.065	0.582	1.154	3	3
	Cavour I	30	0.40	48	3	65	0.37	3	1	6	10	75	0.065	0.582	0.998	3	3
23B	Barnes-Cresbard I	60	0.40	48	3	65	0.28	5	1	6	10	80	0.065	0.601	2.198	3	3
	Cresbard I	30	0.40	48	3	65	0.32	3	1	6	10	80	0.065	0.601	1.154	3	3
25	Overly sicl	95	0.40	86	3	65	0.32	5	0	3	30	80	0.054	0.268	1.923	3	3
26	Bearden-Overly sicl	65	0.40	86	3	65	0.28	5	0	3	10	50	0.044	0.233	2.198	3	3
	Overly sicl	30	0.40	86	3	65	0.32	5	0	3	10	50	0.044	0.233	1.923	3	3
29	Velva sl	95	0.40	86	3	65	0.20	5	1	3	10	70	0.065	0.258	3.077	3	3
30	Walsh I	95	0.40	48	3	65	0.28	5	0	3	50	125	0.060	0.307	2.198	3	3
35	Rauville sil	95	0.40	56	3	65	0.28	5	0	1	5	15	0.038	0.073	2.198	3	3
39	Vallers-Manfred cl, saline	55	0.40	86	3	65	0.28	5	0	1	10	50	0.044	0.105	2.198	3	3
	Manfred cl, saline	35	0.40	48	3	65	0.32	3	0	1	10	50	0.044	0.105	1.154	3	3
41	Bearden-Perella sic	55	0.40	86	3	65	0.28	5	0	1	5	25	0.038	0.085	2.198	3	3
	Perella sic	35	0.40	86	3	65	0.28	5	0	1	5	25	0.038	0.085	2.198	3	3
42	Nutley sic	90	0.40	86	3	65	0.28	5	0	1	50	125	0.060	0.138	2.198	3	3
43B	Cashel sicl	95	0.40	86	3	65	0.32	5	1	6	15	75	0.073	0.582	1.923	3	3
43E	Cashel sicl	93	0.40	86	3	65	0.32	5	6	25	50	100	0.475	5.890	1.923	2	1
45	Wahpeton sic	93	0.40	86	3	65	0.28	5	1	3	15	65	0.073	0.252	2.198	3	3
46	LaDelle sil	95	0.40	48	3	65	0.28	5	0	3	10	25	0.044	0.189	2.198	3	3
48	Wyndmere sl	93	0.40	86	3	65	0.20	5	0	1	25	75	0.053	0.118	3.077	3	3
50B	Hecla fsl	95	0.40	86	3	65	0.17	5	1	6	10	25	0.065	0.336	3.620	3	3
51B	Hecla-Maddock fsl	55	0.40	86	3	65	0.17	5	1	6	5	25	0.052	0.336	3.620	3	3
	Maddock fsl	35	0.40	86	3	65	0.17	5	1	6	5	25	0.052	0.336	3.652	3	3
51E	Maddock sl	95	0.40	86	3	65	0.17	5	9	25	50	125	0.829	6.585	3.620	2	1
53	Hamar sl	93	0.40	86	3	65	0.17	5	0	1	10	50	0.044	0.105	3.620	3	3
54B	Embden fsl	95	0.40	86	3	65	0.20	5	1	6	20	80	0.080	0.601	3.077	3	3
55	Tiffany I	93	0.40	48	3	65	0.20	5	0	1	10	20	0.044	0.080	3.077	3	3
59	Towner fsl	95	0.40	86	3	65	0.17	5	1	3	10	30	0.065	0.200	3.620	3	3
60	Grimstad fsl	95	0.40	86	3	65	0.20	5	0	1	10	25	0.044	0.085	3.077	3	3
62	Rockwell fsl	95	0.40	86	3	65	0.28	5	0	1	10	30	0.044	0.090	2.198	3	3
64	Antler sil	93	0.40	86	3	65	0.28	5	0	1	10	30	0.044	0.090	2.198	3	3
65	Antler sicl, saline	93	0.40	86	3	65	0.28	5	0	1	10	30	0.044	0.090	2.198	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	
67	Gilby l	90	0.40	86	3	65	0.28	5	0	1	5	15	0.038	0.073	2.198	3	3
70	Antler-	55	0.40	86	3	65	0.28	5	0	1	5	25	0.038	0.085	2.198	3	3
	Tonka sicl, saline	35	0.40	86	3	65	0.32	5	0	1	5	25	0.038	0.085	1.923	3	3
71	Hamerly-	50	0.40	86	3	65	0.28	5	0	3	10	30	0.044	0.200	2.198	3	3
	Tonka complex	40	0.40	56	3	65	0.32	5	0	3	10	30	0.044	0.200	1.923	3	3
72	Gardena sil	95	0.40	56	3	65	0.28	5	0	3	15	75	0.047	0.263	2.198	3	3
73	Glyndon sil	93	0.40	86	3	65	0.28	5	0	3	15	75	0.047	0.263	2.198	3	3
76	Borup sil	95	0.40	86	3	65	0.28	5	0	1	5	15	0.038	0.073	2.198	3	3
78B	Zell-	50	0.40	86	3	65	0.32	5	1	6	10	30	0.065	0.368	1.923	3	3
	Gardena sil	40	0.40	56	3	65	0.28	5	1	6	10	30	0.065	0.368	2.198	3	3
78C	Zell-	55	0.40	86	3	65	0.32	5	1	9	50	150	0.105	1.436	1.923	3	3
	Gardena sil	40	0.40	56	3	65	0.28	5	1	9	50	150	0.105	1.436	2.198	3	3
79B	Zell-	50	0.40	86	3	65	32.00	5	1	6	10	50	0.065	0.475	1.923	3	3
	LaDelle sil	45	0.40	48	3	65	0.48	5	1	6	10	50	0.065	0.475	1.282	3	3
79C	Zell-	50	0.40	86	3	65	0.32	5	1	9	50	150	0.105	1.436	1.923	3	3
	LaDelle sil	40	0.40	48	3	65	0.28	5	1	9	50	150	0.105	1.436	2.198	3	3
79D	Zell-	55	0.40	86	3	65	0.32	5	1	15	50	150	0.105	3.135	1.923	2	3
	LaDelle sil	35	0.40	48	3	65	0.28	5	1	15	50	150	0.105	3.135	2.198	2	3
84	Wyndmere-	50	0.40	86	3	65	0.20	5	0	1	10	50	0.044	0.105	3.077	3	3
	Embden sl	45	0.40	86	3	65	0.20	5	0	1	10	50	0.044	0.105	3.077	3	3
86	Divide l	95	0.40	86	3	65	0.28	4	1	3	10	30	0.065	0.200	1.758	3	3
87	Marysland l	95	0.40	86	3	65	0.28	4	0	1	10	30	0.044	0.090	1.758	3	3
89	Renshaw l	93	0.40	48	3	65	0.28	3	1	3	10	50	0.065	0.233	1.319	3	3
89B	Renshaw l	95	0.40	48	3	65	0.28	3	3	6	15	50	0.162	0.475	1.319	3	3
90B	Arvilla sl	93	0.40	86	1	65	0.20	3	1	6	5	25	0.052	0.336	1.846	3	3
93	Inkster sl	95	0.40	86	1	65	0.20	3	0	3	20	75	0.050	0.263	3.077	3	3
94	Pits, Gravel	100	0.40	0		65											
95	Ojata sicl	93	0.40	86	3	65	0.32	5	0	1	10	33	0.044	0.092	1.923	3	3
96D	Sioux-	50	0.40	48	1	65	0.24	2	6	25	10	75	0.213	5.101	1.026	2	1
	Barnes l	35	0.40	48	3	65	0.28	5	6	25	10	75	0.213	5.101	2.198	2	1
97D	Sioux l	93	0.40	48	1	65	0.28	2	1	15	85	125	0.123	2.862	0.879	2	1
98E	Edgeley-	55	0.40	48	3	65	0.28	4	6	25	50	175	0.475	7.792	1.758	2	1
	Kloten l	35	0.40	48	1	65	0.32	2	6	25	50	175	0.475	7.792	0.769	2	1
99	Cavour-	50	0.40	48	3	65	0.37	3	0	3	10	50	0.044	0.233	0.998	3	3
	Miranda l	40	0.40	48	3	65	0.32	3	0	3	10	50	0.044	0.233	1.154	3	3
126	Bearden sicl	93	0.40	86	3	65	0.28	5	0	1	75	150	0.065	0.146	2.198	3	3
130B	Svea-	60	0.40	48	3	65	0.28	5	1	6	10	50	0.065	0.475	2.198	3	3
	Buse l	30	0.40	86	3	65	0.28	5	1	6	10	50	0.065	0.475	2.198	3	3
130C	Buse-	55	0.40	86	3	65	0.28	5	1	9	10	75	0.065	1.016	2.198	3	3
	Svea l	40	0.40	48	3	65	0.28	5	1	9	10	75	0.065	1.016	2.198	3	3
148	Wyndmere-	55	0.40	86	3	65	0.20	5	0	1	10	50	0.044	0.105	3.077	3	3
	Tiffany fsl	35	0.40	86	3	65	0.20	5	0	1	10	50	0.044	0.105	3.077	3	3
171	Antler-	55	0.40	86	3	65	0.28	5	0	1	10	30	0.044	0.090	2.198	3	3
	Tonka sil	35	0.40	56	3	65	0.32	5	0	1	10	30	0.044	0.090	1.923	3	3
173	Glyndon-	60	0.40	86	3	65	0.28	5	0	1	10	40	0.044	0.098	1.758	3	3
	Tiffany sil	30	0.40	56	3	65	0.20	5	0	1	10	40	0.044	0.098	3.077	3	3
199D	Miranda Variant 1	90	0.40	48	3	65	0.32	3	1	15	20	50	0.080	1.810	1.154	2	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	HEL Class	
226	Bearden-Perella sicl	65	0.40	86	3	65	0.28	5	0	1	5	35	0.380	0.094	2.198	3	3
		30	0.40	86	3	65	0.28	5	0	1	5	35	0.380	0.094	2.198	3	3
270	Bearden sicl, saline	90	0.40	86	3	65	0.28	5	0	1	100	300	0.069	0.179	2.198	3	3
401	Aberdeen-Nutley sic	65	0.40	86	3	65	0.32	3	0	1	100	300	0.069	0.179	1.154	3	3
		30	0.40	86	3	65	0.28	5	0	1	100	300	0.069	0.179	2.198	3	3
402	Exline-Aberdeen	65	0.40	86	1	65	0.28	3	0	1	100	300	0.069	0.179	1.319	3	3
		30	0.40	86	1	65	0.32	3	0	1	100	300	0.069	0.179	1.154	3	3