

Ransom County Area
North Dakota

11/15/90

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	
2	Parnell sicl	100	35	38	3	75	0.28	5	0	1	50	150	0.060	0.146	1.905	3	3
3	Venlo fsl	100	35	86	3	75	0.2	5	0	1	50	150	0.060	0.146	2.667	3	3
4	Rauville sicl	100	35	86	3	75	0.28	5	0	1	50	150	0.060	0.146	1.905	3	3
6	Tonka sil	100	35	48	3	75	0.32	5	0	1	50	150	0.060	0.146	1.667	3	3
p7	Fossum fsl	100	35	86	3	75	0.2	5	0	1	50	150	0.060	0.146	2.667	3	3
8	Southam sil	100	35	86	3	75	0.37	5	0	1	50	150	0.060	0.146	1.441	3	3
p9	Borup sil	100	35	86	3	75	0.28	5	0	1	50	150	0.060	0.146	1.905	3	3
p14B	Aylmer fs	70	35	220	1	75	0.15	5	0	6	50	150	0.060	0.823	3.556	3	3
	Bantry fs	30	35	220	1	75	0.15	5	0	6	50	150	0.060	0.823	3.556	3	3
15	Lismore sicl	60	35	38	3	75	0.28	5	0	2	50	100	0.060	0.201	1.905	3	3
	Kranzburg sicl	40	35	38	3	75	0.32	5	0	2	50	100	0.060	0.201	1.667	3	3
16B	Kranzburg sicl	65	35	38	3	75	0.32	5	2	6	50	150	0.163	0.823	1.667	3	3
	Lismore sicl	35	35	38	3	75	0.28	5	2	6	50	150	0.163	0.823	1.905	3	3
17	Arveson I	100	35	86	3	75	0.24	4	0	1	50	200	0.060	0.159	1.778	3	3
18B	Barnes I	70	35	48	3	75	0.28	5	3	6	50	250	0.233	1.063	1.905	3	3
	Buse I	30	35	86	3	75	0.28	5	3	6	50	250	0.233	1.063	1.905	3	3
18C	Barnes I	60	35	48	3	75	0.28	5	6	9	50	200	0.475	1.659	1.905	3	3
	Buse I	40	35	86	3	75	0.28	5	6	9	50	200	0.475	1.659	1.905	3	3
19	Barnes I	60	35	48	3	75	0.28	5	0	3	50	250	0.060	0.378	1.905	3	3
	Svea I	40	35	48	3	75	0.28	5	0	3	50	250	0.060	0.378	1.905	3	3
19B	Barnes I	70	35	48	3	75	0.28	5	3	6	50	250	0.233	1.063	1.905	3	3
	Svea I	30	35	48	3	75	0.28	5	3	6	50	250	0.233	1.063	1.905	3	3
20B	Damen I	100	35	48	3	75	0.28	5	3	6	50	300	0.233	1.164	1.905	3	3
21	Bearden sil	100	35	86	3	75	0.28	5	0	1	50	200	0.060	0.159	1.905	3	3
24B	Brantford I	65	35	48	3	75	0.28	3	1	6	50	150	0.105	0.823	1.143	3	3
	Coe I	35	35	56	1	75	0.28	2	1	6	50	150	0.105	0.823	0.762	2	3
25	Brantford I	70	35	48	3	75	0.28	3	1	3	50	200	0.105	0.353	1.143	3	3
	Vang I	30	35	48	3	75	0.28	4	1	3	50	200	0.105	0.353	1.524	3	3
26D	Buse I	70	35	86	3	75	0.28	5	9	15	50	250	0.829	4.047	1.905	2	1
	Barnes I	30	35	48	3	75	0.28	5	9	15	50	250	0.829	4.047	1.905	2	1
26F	Buse I	70	35	86	3	75	0.28	5	15	100	300	2.559	30.871	1.905	1	1	
	Barnes I	30	35	48	3	75	0.28	5	15	100	300	2.559	30.871	1.905	1	1	
27	Colvin sil	100	35	86	3	75	0.32	5	0	1	50	150	0.060	0.146	1.667	3	3
30	Cathay I bouldery	70	35	1	3	75	0.32	3	0	2	50	200	0.060	0.247	1.000	3	3
	Larson I bouldery	30	35	1	3	75	0.32	3	0	2	50	200	0.060	0.247	1.000	3	3
31	Divide I	100	35	86	3	75	0.28	4	0	1	50	200	0.060	0.159	1.524	3	3
32	Marysland sil	100	35	86	3	75	0.28	4	0	1	50	250	0.060	0.170	1.524	3	3
33	Gardena I	60	35	56	3	75	0.28	5	0	3	50	150	0.060	0.324	1.905	3	3
	Eckman I	40	35	56	3	75	0.28	5	0	3	50	150	0.060	0.324	1.905	3	3
33B	Eckman I	75	35	56	3	75	0.28	5	3	6	50	250	0.233	1.063	1.905	3	3
	Gardena I	25	35	56	3	75	0.28	5	3	6	50	250	0.233	1.063	1.905	3	3
36B	Embsen fsl	100	35	86	3	75	0.2	5	0	6	50	200	0.060	0.951	2.667	3	3
37	Exline I	100	35	48	3	75	0.37	3	0	1	50	200	0.060	0.159	0.865	3	3
42	Fordville I	100	35	48	3	75	0.24	4	0	1	50	200	0.060	0.159	1.778	3	3
43B	Arvilla sl	100	35	86	1	75	0.2	3	0	6	50	150	0.060	0.823	1.600	3	3
44	Gwinner sicl	50	35	38	3	75	0.28	5	0	3	50	200	0.060	0.353	1.905	3	3
	Peever cl	35	35	48	3	75	0.28	5	0	3	50	200	0.060	0.353	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		
	Parnell sicl	15	35	38	3	75	0.28	5	0	1 50	150	0.060	0.146	1.905	3	3
45B	Peever cl	60	35	48	3	75	0.28	5	3	6 50	200	0.233	0.951	1.905	3	3
	Gwinner sicl	40	35	38	3	75	0.28	5	3	6 50	200	0.233	0.951	1.905	3	3
51	Glyndon l	100	35	86	3	75	0.28	5	0	1 50	200	0.060	0.159	1.905	3	3
p53	Hamar lfs	100	35	134	1	75	0.17	5	0	1 50	150	0.060	0.146	3.137	3	3
54	Hamerly l	70	35	86	3	75	0.28	5	0	3 50	200	0.060	0.353	1.905	3	3
	Tonka sil	20	35	48	3	75	0.32	5	0	1 50	150	0.060	0.146	1.667	3	3
	Parnell sicl	10	35	38	3	75	0.28	5	0	1 50	100	0.060	0.129	1.905	3	3
56B	Hamerly l	50	35	86	3	75	0.28	5	1	3 50	150	0.105	0.324	1.905	3	3
	Buse l	30	35	86	3	75	0.28	5	3	6 50	150	0.233	0.823	1.905	3	3
	Parnell sicl	20	35	38	3	75	0.28	5	0	1 50	100	0.060	0.129	1.905	3	3
p57	Hecla fsl	55	35	86	3	75	0.2	5	0	3 50	200	0.060	0.353	2.667	3	3
	Hamar fsl	45	35	86	3	75	0.2	5	0	3 50	150	0.060	0.324	2.667	3	3
p58B	Hecla fsl	60	35	86	3	75	0.2	5	0	6 50	150	0.060	0.823	2.667	3	3
	Maddock fsl	40	35	86	3	75	0.17	5	0	6 50	150	0.060	0.823	3.137	3	3
59	Hecla lfs	70	35	134	1	75	0.17	5	0	3 50	150	0.060	0.324	3.137	3	3
	Hamar lfs	30	35	134	1	75	0.17	5	0	3 50	150	0.060	0.324	3.137	3	3
p60	Tiffany fsl	100	35	86	3	75	0.2	5	0	1 50	150	0.060	0.146	2.667	3	3
61	Towner lfs	100	35	134	1	75	0.2	5	0	3 50	150	0.060	0.324	2.667	3	3
63	Hegne sicl	100	35	86	3	75	0.32	5	0	1 50	200	0.060	0.159	1.667	3	3
64	Overly sicl	100	35	38	3	75	0.32	5	0	1 50	200	0.060	0.159	1.667	3	3
65	Lamoure sil	100	35	86	3	75	0.28	5	0	1 50	150	0.060	0.146	1.905	3	3
67	LaPrairie l	100	35	48	3	75	0.28	5	0	1 50	150	0.060	0.146	1.905	3	3
68	LaDelle sil	100	35	48	3	75	0.28	5	0	1 50	150	0.060	0.146	1.905	3	3
69B	Fairdale l	100	35	86	3	75	0.32	5	0	6 50	150	0.060	0.823	1.667	3	3
70D	Maddock lfs	100	35	134	1	75	0.17	5	6	15 50	200	0.475	3.620	3.137	2	3
71B	Maddock lfs	60	35	134	1	75	0.17	5	1	6 50	150	0.105	0.823	3.137	3	3
	Hecla lfs	40	35	134	1	75	0.17	5	1	6 50	150	0.105	0.823	3.137	3	3
72	Letcher sl	65	35	86	1	75	0.2	3	0	1 50	150	0.060	0.146	1.600	3	3
	Lemert sl	35	35	86	1	75	0.32	3	0	1 50	150	0.060	0.146	1.000	3	3
73	Pits, sand and gravel	100	35	0	ERROR	75	0	0	0	0 0	0	0.000	0.000	ERROR	ERROR	ERROR
74C	Barnes l	60	35	48	3	75	0.28	5	3	9 50	150	0.233	1.436	1.905	3	3
	Sioux cpsl	40	35	42	3	75	0.2	2	3	9 50	150	0.233	1.436	1.067	2	3
75D	Sioux cpsl	100	35	5	3	75	0.28	2	6	15 50	150	0.475	3.135	0.762	2	1
76	Renshaw l	100	35	56	3	75	0.2	3	0	3 50	200	0.060	0.353	1.600	3	3
77B	Renshaw l	70	35	56	3	75	0.2	3	0	6 50	150	0.060	0.823	1.600	3	3
	Sioux sl	30	35	86	1	75	0.28	2	0	6 50	150	0.060	0.823	0.762	2	3
78B	Sioux sl	65	35	86	1	75	0.28	2	0	6 50	150	0.060	0.823	0.762	2	3
	Renshaw l	35	35	56	3	75	0.2	3	0	6 50	150	0.060	0.823	1.600	3	3
79	Stirum sl	70	35	86	1	75	0.24	3	0	1 50	200	0.060	0.159	1.333	3	3
	Lemert sl	30	35	86	1	75	0.32	3	0	1 50	200	0.060	0.159	1.000	3	3
80B	Swenoda fsl	55	35	86	3	75	0.2	5	0	6 50	200	0.060	0.951	2.667	3	3
	Barnes l	45	35	48	3	75	0.28	5	0	6 50	200	0.060	0.951	1.905	3	3
83D	Serden fs	70	35	220	1	75	0.15	5	0	15 50	200	0.060	3.620	3.556	2	3
	Hamar lfs	30	35	134	1	75	0.17	5	0	3 50	200	0.060	0.353	3.137	3	3
85	Wyndmere l	100	35	86	3	75	0.2	5	0	1 50	150	0.060	0.146	2.667	3	3
86	Ulen fsl	100	35	86	3	75	0.17	5	0	1 50	200	0.060	0.159	3.137	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		Water HEL Class	Class	
87	Rosewood fsl	100	35	86	1	75	0.24	3	0	1	50	200	0.060	0.159	1.333	3	3
p89	Hecla fsl	70	35	220	1	75	0.17	5	0	3	50	150	0.060	0.324	3.137	3	3
	Hamar fsl	30	35	220	1	75	0.17	5	0	3	50	150	0.060	0.324	3.137	3	3
92	Vallers, saline l	100	35	86	3	75	0.28	5	0	3	50	200	0.060	0.353	1.905	3	3
93	Vallers l	80	35	86	3	75	0.28	5	0	1	50	200	0.060	0.159	1.905	3	3
	Parnell sicl	20	35	38	3	75	0.28	5	0	1	50	100	0.060	0.129	1.905	3	3
94E	Zell l	100	35	86	3	75	0.32	5	9	25	100	250	1.173	9.313	1.667	2	1
95	Lohnes ls	100	35	134	1	75	0.15	5	0	3	50	200	0.060	0.353	3.556	3	3
97B	Eckman l	60	35	56	3	75	0.28	5	3	6	50	150	0.233	0.823	1.905	3	3
	Zell l	40	35	86	3	75	0.32	5	3	6	50	150	0.233	0.823	1.667	3	3
97C	Eckman l	60	35	56	3	75	0.28	5	6	6	50	150	0.475	1.436	1.905	3	3
	Zell l	40	35	86	3	75	0.32	5	6	6	50	150	0.475	1.436	1.667	3	3