

Ramsey  
North Dakota

12/9/1991

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 HEL Class				
			C Value	I Value	HEL Class	R Value	K Value	T Value	Slope- -Percent		Slope- -Length		LS- -Value		Water HEL Class	HEL Class	
									Min	Max	Min	Max	Min	Max	8T/RK=		
1	Tonka sil	90	0.40	56	3	50	0.32	5	0	1	10	50	0.044	0.105	2.273	3	3
2	Parnell sicl	88	0.40	38	3	50	0.28	5	0	1	50	200	0.060	0.159	2.597	3	3
4	Southam sicl	88	0.40	86	3	50	0.37	5	0	1	90	250	0.068	0.170	1.963	3	3
5	Grano sic	88	0.40	86	3	50	0.28	5	0	1	90	200	0.068	0.159	2.597	3	3
7	Fargo sic	88	0.40	86	3	50	0.32	5	0	1	90	200	0.068	0.159	2.273	3	3
8	Colvin sicl, wet	85	0.40	86	3	50	0.32	5	0	1	5	25	0.038	0.085	2.273	3	3
11	Svea-Barnes I	58	0.40	48	3	50	0.28	5	1	3	50	250	0.105	0.378	2.597	3	3
		35	0.40	48	3	50	0.28	5	1	3	50	250	0.105	0.378	2.597	3	3
12B	Barnes-Svea I	55	0.40	48	3	50	0.28	5	3	6	50	250	0.233	1.063	2.597	3	3
		35	0.40	48	3	50	0.28	5	3	6	50	250	0.233	1.063	2.597	3	3
13C	Barnes-Buse I	55	0.40	48	3	50	0.28	5	6	9	50	250	0.475	1.854	2.597	3	3
		40	0.40	86	3	50	0.28	5	6	9	50	250	0.475	1.854	2.597	3	3
13D	Barnes-Buse I	51	0.40	48	3	50	0.28	5	9	15	200	300	1.659	4.433	2.597	2	1
		41	0.40	86	3	50	0.28	5	9	15	200	300	1.659	4.433	2.597	2	1
14C	Svea-Sioux I	45	0.40	48	3	50	0.28	5	1	9	80	250	0.121	1.854	2.597	3	3
		42	0.40	56	1	50	0.24	2	1	8	80	250	0.121	1.567	1.212	2	3
15C	Esmond-Emrick I	50	0.40	86	3	50	0.28	5	3	9	75	175	0.263	1.551	2.597	3	3
		34	0.40	56	3	50	0.28	5	3	9	75	175	0.263	1.551	2.597	3	3
16E	Langhei-Barnes I	62	0.40	86	3	50	0.32	5	9	40	50	150	0.829	15.496	2.273	2	1
		33	0.40	48	3	50	0.28	5	9	40	50	150	0.829	15.496	2.597	2	1
17D	Sioux-Buse I	48	0.40	56	1	50	0.24	2	9	15	50	115	0.829	2.745	1.212	2	1
		43	0.40	86	3	50	0.28	5	9	15	50	115	0.829	2.745	2.597	2	3
19B	Svea-Buse I	43	0.40	48	3	50	0.28	5	3	6	50	150	0.233	0.823	2.597	3	3
		43	0.40	86	3	50	0.28	5	3	6	50	150	0.233	0.823	2.597	3	3
20	Hamerly-Svea I	50	0.40	86	3	50	0.28	5	1	3	50	150	0.105	0.324	2.597	3	3
		43	0.40	48	3	50	0.28	5	1	3	50	150	0.105	0.324	2.597	3	3
20B	Hamerly-Svea I	60	0.40	86	3	50	0.28	5	3	6	50	150	0.233	0.823	2.597	3	3
		28	0.40	48	3	50	0.28	5	3	6	50	150	0.233	0.823	2.597	3	3
21	Vallers-Hamerly I, saline	43	0.40	86	3	50	0.28	5	0	3	50	150	0.060	0.324	2.597	3	3
		43	0.40	86	3	50	0.28	5	0	3	50	150	0.060	0.324	2.597	3	3
22	Vallers I	88	0.40	86	3	50	0.28	5	0	1	50	100	0.060	0.129	2.597	3	3
23	Hamerly-Cresbard I	49	0.40	86	3	50	0.28	5	1	3	100	300	0.129	0.399	2.597	3	3
		44	0.40	48	3	50	0.32	3	1	3	100	300	0.129	0.399	1.364	3	3
24	Svea-Cresbard I	48	0.40	48	3	50	0.28	5	1	3	50	100	0.105	0.287	2.597	3	3
		40	0.40	48	3	50	0.32	3	1	3	50	100	0.105	0.287	1.364	3	3
24B	Barnes-Cresbard I	56	0.40	48	3	50	0.28	5	3	6	50	100	0.233	0.672	2.597	3	3
		34	0.40	48	3	50	0.32	3	3	6	50	100	0.233	0.672	1.364	3	3
26	Vallers-Parnell-Tonka complex	56	0.40	86	3	50	0.28	5	0	3	10	100	0.044	0.287	2.597	3	3
		26	0.40	38	3	50	0.28	5	0	3	10	100	0.044	0.287	2.597	3	3
		18	0.40	56	3	50	0.32	5	0	3	10	100	0.044	0.287	2.273	3	3
28C	Zell-Maddock Complex	43	0.40	56	3	50	0.32	5	3	9	50	150	0.233	1.436	2.273	3	3
		38	0.40	86	3	50	0.17	5	3	9	50	150	0.233	1.436	4.278	3	3
30	Embden I	78	0.40	56	3	50	0.20	5	0	3	75	175	0.065	0.339	3.636	3	3
31	Svea I	80	0.40	48	3	50	0.28	5	1	3	150	350	0.146	0.418	2.597	3	3
32	Glyndon sil	82	0.40	86	3	50	0.28	5	0	3	100	300	0.069	0.399	2.597	3	3
34	Aberdeen sil	80	0.40	56	3	50	0.32	3	0	1	100	300	0.069	0.179	1.364	3	3
35	Overly sicl	85	0.40	38	3	50	0.32	5	0	3	40	90	0.058	0.278	2.273	3	3

Ramsey  
North Dakota

12/9/1991

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	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
36	Bearden sicl	85	0.40	86	3	50	0.28	5	0	1	50	100	0.060	0.129	2.597	3	3
38	Colvin sicl, saline	90	0.40	86	3	50	0.32	5	0	1	90	200	0.068	0.159	2.273	3	3
39	Colvin sicl	85	0.40	86	3	50	0.32	5	0	1	50	100	0.060	0.129	2.273	3	3
40	Colvin- Aberdeen sicl	50	0.40	86	3	50	0.32	5	0	1	20	60	0.050	0.111	2.273	3	3
42	Fargo- Hegne sic	45	0.40	38	1	50	0.32	3	0	1	20	60	0.050	0.111	1.364	3	3
44	Hegne sic, saline	50	0.40	86	3	50	0.28	5	0	1	20	60	0.050	0.111	2.273	3	3
45	Hegne sic	45	0.40	86	3	50	0.28	5	0	1	20	60	0.050	0.111	2.597	3	3
44	Hegne sic, saline	95	0.40	86	3	50	0.28	5	0	1	50	100	0.060	0.129	2.597	3	3
45	Hegne sic	88	0.40	86	3	50	0.28	5	0	1	100	300	0.069	0.179	2.597	3	3
46	Aberdeen- Fargo sicl	45	0.40	86	1	50	0.32	3	0	1	50	100	0.060	0.129	1.364	3	3
50B	Towner sl	40	0.40	86	3	50	0.32	5	0	1	50	100	0.060	0.129	2.273	3	3
52	Wyrene sl, loamy substatum	95	0.40	86	3	50	0.17	5	1	6	100	300	0.129	1.164	4.278	3	3
53	Renshaw l	88	0.40	86	1	50	0.20	3	0	3	100	250	0.069	0.378	2.182	3	3
54B	Arvilla sl	95	0.40	56	3	50	0.28	3	1	3	90	250	0.125	0.378	1.558	3	3
56	Hamerly- Renshaw l	83	0.40	86	1	50	0.20	3	1	6	20	60	0.080	0.521	2.182	3	3
56	Hamerly- Renshaw l	66	0.40	86	3	50	0.28	5	0	3	50	150	0.060	0.324	2.597	3	3
57C	Sioux l	17	0.40	56	3	50	0.28	3	0	3	50	150	0.060	0.324	1.558	3	3
57C	Sioux l	85	0.40	56	1	50	0.24	2	1	9	25	75	0.085	1.016	1.212	3	3
58	Divide l, loamy substratum	78	0.40	86	1	50	0.28	4	1	3	50	150	0.105	0.324	2.078	3	3
65	Ojata cl	85	0.40	86	3	50	0.32	5	0	1	100	200	0.069	0.159	2.273	3	3
70	Lallie cl	90	0.40	86	3	50	0.37	5	0	1	90	180	0.068	0.154	1.966	3	3
75	Lallie cl, saline	88	0.40	86	3	50	0.37	5	0	1	90	100	0.068	0.129	1.966	3	3
77	Minnewaukan lfs	90	0.40	86	3	50	0.37	5	0	1	90	100	0.068	0.129	1.966	3	3
78C	Wamduska ls	88	0.40	134	1	50	0.15	4	1	3	50	150	0.105	0.324	3.879	3	3
81B	Mauvais l	90	0.40	134	1	50	0.15	2	1	9	50	150	0.105	1.436	1.939	3	3
81B	Mauvais l	82	0.40	48	3	50	0.32	5	0	6	25	75	0.053	0.582	2.273	3	3
83B	Great Bend- Overly sicl	62	0.40	38	3	50	0.32	5	3	6	50	150	0.233	0.823	2.273	3	3
84	Bottineau l	22	0.40	38	3	50	0.32	5	3	6	50	150	0.233	0.823	2.273	3	3
84	Bottineau l	90	0.40	48	3	50	0.28	5	1	3	90	200	0.125	0.353	2.597	3	3
84B	Bottineau l	90	0.40	48	3	50	0.28	5	3	6	80	150	0.268	0.823	2.597	3	3