

Kidder
North Dakota

4-21-1988

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 Water				
			C Value	I Value	HEL Class	R Value	K Value	T Value	Slope- -Percent		Slope- -Length		LS- -Value		Water HEL Class	HEL Class	
2A	Arveson loam, wet	100	0.45	86	1	60	0.24	4	0	1	100	400	0.069	0.195	2.222	3	3
3A	Marysland loam	100	0.45	86	1	60	0.28	4	0	1	100	400	0.069	0.195	1.905	3	3
5A	Harriet sil	100	0.45	48	3	60	0.37	3	0	1	100	400	0.069	0.195	1.429	3	3
7A	Arveson loam	56	0.45	86	1	60	0.24	4	0	3	100	400	0.069	0.435	2.222	3	3
	Ulen lfs	44	0.45	134	1	60	0.17	5	0	3	100	400	0.069	0.435	3.137	3	3
10A	Minnewauken sl	50	0.45	86	1	60	0.15	4	0	1	100	400	0.069	0.195	3.556	3	3
	Stirum ls	50	0.45	134	1	60	0.17	3	0	1	100	400	0.069	0.195	2.353	3	3
14A	Tonka loam	100	0.45	48	3	60	0.32	5	0	1	100	400	0.069	0.195	2.083	3	3
15A	Parnell sicl	100	0.45	38	3	60	0.28	5	0	1	100	400	0.069	0.195	2.381	3	3
16A	Southam sicl	100	0.45	86	3	60	0.37	5	0	1	100	400	0.069	0.195	1.802	3	3
17A	Markey muck	100	0.45	134	3	60	0.00	2	0	1	100	400	0.069	0.195	ERROR	ERROR	ERROR
19A	Colvin sil, saline	100	0.45	86	3	60	0.32	5	0	1	100	400	0.069	0.195	2.083	3	3
20A	Colvin sil, saline	100	0.45	86	3	60	0.32	5	0	1	100	400	0.069	0.195	2.083	3	3
21D	Buse loam	100	0.45	86	3	60	0.28	5	9	15	100	300	1.173	4.433	2.381	2	1
22B	Barnes loam	67	0.45	48	3	60	0.28	5	1	6	100	300	0.129	1.164	2.381	3	3
	Svea loam	33	0.45	48	3	60	0.28	5	1	6	100	300	0.129	1.164	2.381	3	3
22C	Barnes loam	67	0.45	48	3	60	0.28	5	6	9	100	300	0.672	2.031	2.381	3	3
	Buse loam	33	0.45	86	3	60	0.28	5	6	9	100	300	0.672	2.031	2.381	3	3
24B	Cresbard loam	55	0.45	48	3	60	0.32	5	1	6	100	300	0.129	1.164	2.083	3	3
	Barnes loam	45	0.45	48	3	60	0.28	5	1	6	100	300	0.129	1.164	2.381	3	3
28D	Buse loam	54	0.45	86	3	60	0.28	5	3	15	100	300	0.287	4.433	2.381	2	3
	Svea loam	46	0.45	48	3	60	0.28	5	3	15	100	300	0.287	4.433	2.381	2	3
29E	Barnes loam	48	0.45	48	3	60	0.28	5	0	35	100	300	0.069	17.705	2.381	2	1
	Buse loam	31	0.45	86	3	60	0.28	5	0	35	100	300	0.069	17.705	2.381	2	1
	Parnell sicl	21	0.45	38	3	60	0.28	5	0	35	100	300	0.069	17.705	2.381	2	1
32A	Overly sil	100	0.45	48	3	60	0.32	5	0	3	100	400	0.069	0.435	2.083	3	3
35B	Towner lfs	53	0.45	134	1	60	0.17	5	1	6	100	300	0.129	1.164	3.922	3	3
	Embden fsl	47	0.45	86	3	60	0.2	5	1	6	100	300	0.129	1.164	3.333	3	3
35C	Towner lfs	60	0.45	134	1	60	0.17	5	6	9	100	300	0.672	2.031	3.922	3	3
	Barnes sl	40	0.45	86	3	60	0.2	5	6	9	100	300	0.672	2.031	3.333	3	3
36B	Flaxton fsl	100	0.45	86	3	60	0.2	5	1	6	100	300	0.129	1.164	3.333	3	3
37A	Divide loam	100	0.45	86	1	60	0.28	4	0	3	100	400	0.069	0.435	1.905	3	3
38D	Flaxton fsl	68	0.45	86	3	60	0.2	5	6	12	100	300	0.672	3.124	3.333	3	3
	Zahl loam	32	0.45	86	3	60	0.28	5	6	12	100	300	0.672	3.124	2.381	2	3
39A	Embden fsl	100	0.45	86	3	60	0.2	5	1	3	100	400	0.129	0.435	3.333	3	3
42B	Barnes sl	66	0.45	86	3	60	0.2	5	3	9	100	300	0.287	2.031	3.333	3	3
	Sioux sl	34	0.45	86	1	60	0.2	2	3	9	100	300	0.287	2.031	1.333	2	3
44A	Fordville loam	100	0.45	48	3	60	0.24	4	0	3	100	400	0.069	0.435	2.222	3	3
49B	Arvilla sl	100	0.45	86	1	60	0.2	3	1	6	100	300	0.129	1.164	2.000	3	3
49C	Arvilla sl	100	0.45	86	1	60	0.2	3	6	9	100	300	0.672	2.031	2.000	2	3
49D	Arvilla sl	100	0.45	86	1	60	0.2	3	9	15	100	300	1.173	4.433	2.000	2	1
52A	Hamerly loam	100	0.45	86	3	60	0.28	5	0	3	100	400	0.069	0.435	2.381	3	3
55B	Hecla lfs	65	0.45	134	1	60	0.17	5	1	6	100	300	0.129	1.164	3.922	3	3
	Ulen lfs	35	0.45	134	1	60	0.17	4	1	6	100	300	0.129	1.164	3.137	3	3
56B	Maddock lfs	100	0.45	134	1	60	0.17	5	1	6	100	300	0.129	1.164	3.922	3	3
61A	nutley sic	100	0.45	86	3	60	0.28	5	1	3	100	400	0.129	0.435	2.381	3	3
61B	Nutley sic	100	0.45	86	3	60	0.28	5	3	6	100	300	0.287	1.164	2.381	3	3

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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
63C	Sioux sl	68	0.45	86	1	60	0.2	2	1	9	100	300	0.129	2.031	1.333	2	3
	Arvilla sl	32	0.45	86	1	60	0.2	3	1	9	100	300	0.129	2.031	2.000	2	3
63E	Sioux sl	80	0.45	86	1	60	0.2	2	9	35	100	300	1.173	17.705	1.333	2	1
	Arvilla sl	20	0.45	86	1	60	0.2	3	9	35	100	300	1.173	17.705	2.000	2	1
64B	Renshaw loam	53	0.45	48	3	60	0.28	3	1	6	100	300	0.129	1.164	1.429	3	3
	Sioux loam	47	0.45	56	1	60	0.28	2	1	6	100	300	0.129	1.164	0.952	2	3
65A	Renshaw loam	100	0.45	48	3	60	0.28	3	0	3	100	400	0.069	0.435	1.429	3	3
66C	Williams loam	76	0.45	48	3	60	0.28	5	6	9	100	300	0.672	2.031	2.381	3	3
	Zahl loam	24	0.45	86	3	60	0.28	5	6	9	100	300	0.672	2.031	2.381	3	3
66E	Williams loam	57	0.45	48	3	60	0.28	5	9	35	100	300	1.173	17.705	2.381	2	1
	Zahl loam	43	0.45	86	3	60	0.28	5	9	35	100	300	1.173	17.705	2.381	2	1
67A	Williams loam	62	0.45	48	3	60	0.28	5	1	3	100	400	0.129	0.435	2.381	3	3
	Bowbells loam	38	0.45	48	3	60	0.28	5	1	3	100	400	0.129	0.435	2.381	3	3
67B	Williams loam	65	0.45	48	3	60	0.28	5	3	6	100	300	0.287	1.164	2.381	3	3
	Bowbells loam	35	0.45	48	3	60	0.28	5	3	6	100	300	0.287	1.164	2.381	3	3
69C	Maddock lfs	56	0.45	134	1	60	0.17	5	3	9	100	300	0.287	2.031	3.922	3	3
	Serden lfs	44	0.45	134	1	60	0.15	5	3	9	100	300	0.287	2.031	4.444	3	3
69E	Serden lfs	100	0.45	134	1	60	0.15	5	3	35	100	300	0.287	17.705	4.444	2	1
72B	Miranda loam	100	0.45	48	3	60	0.32	3	0	6	100	300	0.069	1.164	1.250	3	3
74B	Williams loam	55	0.45	48	3	60	0.28	5	1	6	100	300	0.129	1.164	2.381	3	3
	Noonan loam	45	0.45	48	3	60	0.32	3	1	6	100	300	0.129	1.164	1.250	3	3
76A	Letcher fsl	100	0.45	86	1	60	0.24	3	0	3	100	400	0.069	0.435	1.667	3	3
92E	Buse loam	58	0.45	86	3	60	0.28	5	9	35	100	300	1.173	17.705	2.381	2	1
	Barnes loam	42	0.45	48	3	60	0.28	5	9	35	100	300	1.173	17.705	2.381	2	1
93E	Vebar fsl	70	0.45	86	1	60	0.2	4	9	35	100	300	1.173	17.705	2.667	2	1
	Williams loam	30	0.45	48	3	60	0.28	5	9	35	100	300	1.173	17.705	2.381	2	1