

Stutsman
North Dakota

4/25/1989

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
1	Southam cl	100	0.40	48	3	65	0.37	5	0	1	50	150	0.060	0.146	1.663	3	3
2	Parnell sicl	100	0.40	38	3	65	0.28	5	0	1	50	150	0.060	0.146	2.198	3	3
3	Tonka sil	100	0.40	48	3	65	0.32	5	0	1	50	150	0.060	0.146	1.923	3	3
4	Hamerly cx	50	0.40	86	3	65	0.28	5	0	3	50	150	0.060	0.324	2.198	3	3
	Parnell cx	50	0.40	38	3	65	0.28	5	0	3	50	150	0.060	0.324	2.198	3	3
5	Hamerly cx	65	0.40	86	3	65	0.28	5	0	3	50	150	0.060	0.324	2.198	3	3
	Tonka cx	35	0.40	48	3	65	0.32	5	0	3	50	150	0.060	0.324	1.923	3	3
13	Hamerly l-saline	34	0.40	86	3	65	0.28	5	0	3	50	150	0.060	0.324	2.198	3	3
	Vallers l-saline	33	0.40	86	3	65	0.28	5	0	3	50	150	0.060	0.324	2.198	3	3
	Colvin sil-saline	33	0.40	86	3	65	0.32	5	0	3	50	200	0.060	0.353	1.923	3	3
15	Hamerly l	100	0.40	86	3	65	0.28	5	0	3	50	250	0.060	0.378	2.198	3	3
18	Hamerly l	65	0.40	86	3	65	0.28	5	1	3	50	150	0.105	0.324	2.198	3	3
	Svea l	35	0.40	48	3	65	0.28	5	1	3	50	150	0.105	0.324	2.198	3	3
23B	Barnes l	65	0.40	48	3	65	0.28	5	3	6	50	200	0.233	0.951	2.198	3	3
	Svea l	35	0.40	48	3	65	0.28	5	3	6	50	200	0.233	0.951	2.198	3	3
23C	Barnes l	60	0.40	48	3	65	0.28	5	6	9	50	200	0.475	1.659	2.198	3	3
	Buse l	40	0.40	86	3	65	0.28	5	6	9	50	200	0.475	1.659	2.198	3	3
23D	Barnes l	60	0.40	48	3	65	0.28	5	9	15	110	230	1.230	3.882	2.198	2	1
	Buse l	40	0.40	86	3	65	0.28	5	9	15	110	230	1.230	3.882	2.198	2	1
23F	Buse l	60	0.40	86	3	65	0.28	5	15	50	50	250	1.810	28.181	2.198	2	1
	Svea l	40	0.40	48	3	65	0.28	5	15	50	50	250	1.810	28.181	2.198	2	1
24	Svea l	65	0.40	48	3	65	0.28	5	1	3	50	200	0.105	0.353	2.198	3	3
	Barnes l	35	0.40	48	3	65	0.28	5	1	3	50	200	0.105	0.353	2.198	3	3
24B	Svea l	65	0.40	48	3	65	0.28	5	3	6	50	150	0.233	0.823	2.198	3	3
	Buse l	35	0.40	86	3	65	0.28	5	3	6	50	150	0.233	0.823	2.198	3	3
24E	Svea l	65	0.40	48	3	65	0.28	5	9	25	50	200	0.829	8.330	2.198	2	1
	Buse l	35	0.40	86	3	65	0.28	5	9	25	50	200	0.829	8.330	2.198	2	1
25E	Parnell cx	40	0.40	38	3	65	0.28	5	0	30	50	250	0.060	12.574	2.198	2	1
	Buse cx	35	0.40	86	3	65	0.28	5	0	30	50	250	0.060	12.574	2.198	2	1
	Svea cx	25	0.40	48	3	65	0.28	5	0	30	50	250	0.060	12.574	2.198	2	1
30C	Svea l	60	0.40	48	3	65	0.28	5	3	9	50	150	0.233	1.436	2.198	3	3
	Sioux l	40	0.40	56	1	65	0.28	2	3	9	50	150	0.233	1.436	0.879	2	3
30E	Sioux l	55	0.40	56	1	65	0.28	2	9	30	50	200	0.829	11.247	0.879	2	1
	Barnes l	45	0.40	48	3	65	0.28	5	9	30	50	200	0.829	11.247	2.198	2	1
39F	Kloten l	55	0.40	48	1	65	0.32	2	9	50	100	350	1.173	33.344	0.769	1	1
	Buse l	45	0.40	86	3	65	0.28	5	9	50	100	350	1.173	33.344	2.198	2	1
40	Divide l	100	0.40	86	1	65	0.28	4	0	3	50	200	0.060	0.353	1.758	3	3
41	Fordville l	60	0.40	48	3	65	0.24	4	0	3	50	200	0.060	0.353	2.051	3	3
	Renshaw l	40	0.40	48	3	65	0.28	3	0	3	50	200	0.060	0.353	1.319	3	3
41B	Fordville l	60	0.40	48	3	65	0.24	4	3	6	50	150	0.233	0.823	2.051	3	3
	Renshaw l	40	0.40	48	3	65	0.24	3	3	6	50	150	0.233	0.823	1.538	3	3
44	Arvilla sl	65	0.40	86	1	65	0.2	3	0	3	50	200	0.060	0.353	1.846	3	3
	Sioux sl	35	0.40	86	1	65	0.2	2	0	3	50	200	0.060	0.353	1.231	3	3
44C	Sioux sl	60	0.40	86	1	65	0.2	2	0	9	50	150	0.060	1.436	1.231	2	3
	Arvilla sl	40	0.40	86	1	65	0.2	3	0	9	50	150	0.060	1.436	1.846	3	3
44E	Sioux cx	60	0.40	86	1	65	0.2	2	9	30	50	200	0.829	11.247	1.231	2	1
	Arvilla cx	40	0.40	86	1	65	0.2	3	9	30	50	200	0.829	11.247	1.846	2	1

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			C	I	HEL	R	K	T	Slope- -Percent		Slope- -Length		LS- -Value		Water	Water		
			Value	Value	Class	Value	Value	Value	Min	Max	Min	Max	Min	Max	8T/RK=	HEL Class	Class	
47B	Renshaw I	59	0.40	48	3	65	0.28	3	0	6	50	150	0.060	0.823	1.319	3	3	
	Sioux I	30	0.40	56	1	65	0.28	2	0	6	50	150	0.060	0.823	0.879	3	3	
48B	Maddock lfs	100	0.40	134	1	65	0.17	5	1	6	50	200	0.105	0.951	3.620	3	3	
48D	Maddock lfs	100	0.40	134	1	65	0.17	5	6	15	50	150	0.475	3.135	3.620	3	3	
49	Wyndmere fsl	70	0.40	86	3	65	0.2	5	0	3	50	200	0.060	0.353	3.077	3	3	
	Letcher fsl - saline	30	0.40	86	1	65	0.2	3	0	3	50	200	0.060	0.353	1.846	3	3	
50	Fossum fsl	100	0.40	86	3	65	0.2	5	0	1	50	150	0.060	0.146	3.077	3	3	
51	Arveson fsl	100	0.40	86	1	65	0.17	4	0	1	50	150	0.060	0.146	2.896	3	3	
52	Hecla lfs	100	0.40	134	1	65	0.2	5	0	3	50	150	0.060	0.324	3.077	3	3	
54B	Hecla lfs	65	0.40	134	1	65	0.2	5	1	6	50	150	0.105	0.823	3.077	3	3	
	Towner lfs	35	0.40	134	1	65	0.2	5	1	6	50	150	0.105	0.823	3.077	3	3	
55	Towner lfs	100	0.40	134	1	65	0.2	5	1	3	50	150	0.105	0.324	3.077	3	3	
56	Swenoda fsl	100	0.40	86	3	65	0.2	5	1	3	50	150	0.105	0.324	3.077	3	3	
56B	Swenoda sl	60	0.40	86	3	65	0.2	5	3	6	50	150	0.233	0.823	3.077	3	3	
	Buse I	40	0.40	86	3	65	0.28	5	3	6	50	150	0.233	0.823	2.198	3	3	
56C	Swenoda sl	60	0.40	86	3	65	0.2	5	6	6	50	250	0.475	1.854	3.077	3	3	
	Buse I	40	0.40	86	3	65	0.28	5	6	6	50	250	0.475	1.854	2.198	3	3	
57	Ermoden fsl	100	0.40	86	3	65	0.2	5	0	3	50	250	0.060	0.378	3.077	3	3	
57B	Ermoden fsl	55	0.40	86	3	65	0.2	5	3	3	50	350	0.233	1.258	3.077	3	3	
	Egeland fsl	45	0.40	86	3	65	0.2	5	3	3	50	350	0.233	1.258	3.077	3	3	
58B	Clontarf sl	100	0.40	86	1	65	0.2	4	0	0	50	400	0.060	1.344	2.462	3	3	
60	Hamerly I	50	0.40	86	3	65	0.28	5	0	0	50	100	0.060	0.287	2.198	3	3	
	Cresbard I	50	0.40	48	3	65	0.28	3	0	0	50	100	0.060	0.287	1.319	3	3	
61	Swenoda fsl	53	0.40	86	3	65	0.2	5	1	1	50	300	0.105	1.164	3.077	3	3	
	Larson fsl	47	0.40	86	1	65	0.2	3	1	1	50	300	0.105	1.164	1.846	3	3	
62	Svea I	50	0.40	48	3	65	0.28	5	1	1	50	100	0.105	0.287	2.198	3	3	
	Cresbard I	50	0.40	48	3	65	0.28	3	1	1	50	100	0.105	0.287	1.319	3	3	
62B	Barnes I	55	0.40	48	3	65	0.28	5	3	3	50	100	0.233	0.672	2.198	3	3	
	Cresbard I	45	0.40	48	3	65	0.28	3	3	3	50	100	0.233	0.672	1.319	3	3	
63	Cresbard I	60	0.40	48	3	65	0.32	3	0	0	25	75	0.053	0.263	1.154	3	3	
	Cavour I	40	0.40	48	3	65	0.37	3	0	0	25	75	0.053	0.263	0.998	3	3	
64	Cavour I	60	0.40	48	3	65	0.37	3	0	0	25	250	0.060	0.378	0.998	3	3	
	Miranda I	40	0.40	48	3	65	0.32	3	0	0	25	250	0.060	0.378	1.154	3	3	
66	Exline sil	100	0.40	48	3	65	0.28	3	0	0	1	50	0.060	0.146	1.319	3	3	
70	Hegne sicl	100	0.40	86	3	65	0.32	5	0	0	1	50	400	0.060	0.195	1.923	3	3
72	Minnewaukan ls	100	0.40	134	1	65	0.15	4	0	0	25	300	0.053	0.399	3.282	3	3	
73	Overly sicl	70	0.40	38	3	65	0.32	5	0	0	3	200	0.060	0.353	1.923	3	3	
	Bearden sicl	30	0.40	86	3	65	0.28	5	0	0	3	200	0.060	0.353	2.198	3	3	
73B	Great Bend sicl	65	0.40	38	3	65	0.32	5	3	3	25	350	0.233	1.258	1.923	3	3	
	Overly sicl	35	0.40	38	3	65	0.32	5	3	3	25	350	0.233	1.258	1.923	3	3	
74	Aberdeen sicl	100	0.40	38	3	65	0.32	3	0	0	3	200	0.060	0.353	1.154	3	3	
76	Fargo sicl	100	0.40	38	3	65	0.32	5	0	0	25	250	0.053	0.264	1.923	3	3	
77	Colvin sicl	100	0.40	86	3	65	0.32	5	0	0	1	200	0.053	0.159	1.923	3	3	
79B	Sinai sicl	100	0.40	38	3	65	0.28	5	0	0	6	50	200	0.060	0.951	2.198	3	3
88C	Cathro mucky peat	100	0.40	134	1	65	0.01	2	0	0	9	50	150	0.060	1.436	24.615	3	3
90	Lamoure sicl	100	0.40	86	3	65	0.28	5	0	0	1	50	200	0.060	0.159	2.198	3	3
92	Lamoure cx-chan.	60	0.40	86	3	65	0.28	5	0	0	3	25	100	0.053	0.287	2.198	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	Min	Slope- -Percent	Slope- -Length	LS- -Value	Max	8T/RK=	Water HEL Class	Class	
	LaPrairie cx-chan.	40	0.40	48	3	65	0.28	5	0		3 25	100	0.053	0.287	2.198	3	3
93	LaPrairie sil	100	0.40	48	3	65	0.28	5	0		3 50	200	0.060	0.353	2.198	3	3
94	Damen I	100	0.40	48	3	65	0.28	5	0		3 50	250	0.060	0.378	2.198	3	3
94B	Damen I	100	0.40	48	3	65	0.28	5	3		6 50	250	0.233	1.063	2.198	3	3
100	Pits, gravel	100	0.40	0	ERROR	65	0	0	1		30 50	100	0.105	7.953	ERROR	ERROR	ERROR