

Logan
North Dakota

1-9-90

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
							Min	Max	Min	Max	Min	Max	8T/RK=			
3-	Parnell sicl	100	0.45	38	3	65	0.28	5	0	1 50	250	0.060	0.170	2.198	3	3
5-	Southam sicl	100	0.45	86	3	65	0.37	5	0	1 50	250	0.060	0.170	1.663	3	3
8-	Vallers I, saline	100	0.45	86	3	65	0.28	5	0	1 50	150	0.060	0.146	2.198	3	3
9-	Colvin sil	100	0.45	86	3	65	0.32	5	0	1 50	250	0.060	0.170	1.923	3	3
13-	Williams I	55	0.45	48	3	65	0.28	5	0	3 175	400	0.078	0.435	2.198	3	3
	Bowbells I	45	0.45	48	3	65	0.28	5	0	3 175	400	0.078	0.435	2.198	3	3
13B	Williams I	60	0.45	48	3	65	0.28	5	3	6 125	400	0.307	1.344	2.198	3	3
	Bowbells I	40	0.45	48	3	65	0.28	5	3	6 125	400	0.307	1.344	2.198	3	3
14B	Williams I	65	0.45	48	3	65	0.28	5	3	6 50	300	0.233	1.164	2.198	3	3
	Zahl I	35	0.45	86	3	65	0.28	5	3	6 50	300	0.233	1.164	2.198	3	3
15C	Zahl I	55	0.45	86	3	65	0.28	5	6	9 50	200	0.475	1.659	2.198	3	3
	Williams I	45	0.45	48	3	65	0.28	5	6	9 50	200	0.475	1.659	2.198	3	3
16D	Zahl I	55	0.45	86	3	65	0.28	5	9	15 75	350	1.016	4.788	2.198	2	1
	Williams I	45	0.45	48	3	65	0.28	5	9	15 75	350	1.016	4.788	2.198	2	1
17F	Zahl I	60	0.45	86	3	65	0.28	5	15	45 75	300	2.217	26.327	2.198	1	1
	Max I	40	0.45	48	3	65	0.28	5	15	45 75	300	2.217	26.327	2.198	1	1
18D	Zahl I	45	0.45	86	3	65	0.28	5	6	15 50	250	0.475	4.047	2.198	2	1
	Williams I	35	0.45	48	3	65	0.28	5	6	15 50	250	0.475	4.047	2.198	2	1
	parnell sicl	20	0.45	38	3	65	0.28	5	0	1 50	250	0.060	0.170	2.198	3	3
p20B	Williams I	60	0.45	48	3	65	0.28	5	1	6 75	250	0.118	1.063	2.198	3	3
	Noonan I	40	0.45	48	3	65	0.32	3	1	6 75	250	0.118	1.063	1.154	3	3
p21C	Williams I	100	0.45	48	3	65	0.28	5	6	9 50	250	0.475	1.854	2.198	3	3
	22 Hamerly I, saline	100	0.45	86	3	65	0.28	5	0	3 50	150	0.060	0.324	2.198	3	3
23B	Arnegard I	100	0.45	48	3	65	0.28	5	0	6 75	350	0.065	1.258	2.198	3	3
p24	Hamerly I, saline	70	0.45	86	3	65	0.28	5	0	3 50	150	0.060	0.324	2.198	3	3
	Tonka sil	30	0.45	48	3	65	0.32	5	0	3 50	150	0.060	0.324	1.923	3	3
p25	Hamerly I, saline	100	0.45	86	3	65	0.28	5	0	3 50	175	0.060	0.339	2.198	3	3
26B	Manning sl	100	0.45	86	1	65	0.2	4	1	6 75	278	0.118	1.115	2.462	3	3
28B	Wabek sl	100	0.45	86	1	65	0.2	2	0	6 50	278	0.060	1.115	1.231	3	3
28E	Wabek sl	100	0.45	86	1	65	0.2	2	6	25 50	250	0.475	9.313	1.231	2	1
p29B	Renshaw I	100	0.45	48	3	65	0.28	3	3	6 50	200	0.233	0.951	1.319	3	3
	30B Wabek I	65	0.45	56	1	65	0.28	2	1	6 50	275	0.105	1.115	0.879	2	3
	Lehr I	35	0.45	56	1	65	0.28	3	1	6 50	275	0.105	1.115	1.319	3	3
31-	Bowdle I	70	0.45	48	3	65	0.28	4	0	3 125	350	0.072	0.418	1.758	3	3
	Lehr I	30	0.45	56	1	65	0.28	3	0	3 125	350	0.072	0.418	1.319	3	3
32B	Lehr I	70	0.45	56	1	65	0.28	3	3	6 50	175	0.233	0.889	1.319	3	3
	Bowdle I	30	0.45	48	3	65	0.28	4	3	6 50	175	0.233	0.889	1.758	3	3
33B	Arvilla sl	100	0.45	86	1	65	0.2	3	1	6 50	275	0.105	1.115	1.846	3	3
34	Marysland I	100	0.45	86	1	65	0.28	4	0	1 50	200	0.060	0.159	1.758	3	3
35-	Fordville I	65	0.45	48	3	65	0.24	4	0	3 50	200	0.060	0.353	2.051	3	3
	Renshaw I	35	0.45	48	3	65	0.28	3	0	3 75	250	0.065	0.378	1.319	3	3
p36	Divide I	100	0.45	86	1	65	0.28	4	0	3 75	250	0.065	0.378	1.758	3	3
37B	Arvilla sl	60	0.45	86	1	65	0.2	3	1	6 50	175	0.105	0.889	1.846	3	3
	Sioux sl	40	0.45	86	1	65	0.24	2	1	6 50	175	0.105	0.889	1.026	3	3
p38B	Sioux sl	100	0.45	86	1	65	0.24	2	0	6 50	300	0.060	1.164	1.026	2	3
38E	Sioux sl	100	0.45	86	1	65	0.24	2	6	25 50	250	0.475	9.313	1.026	2	1

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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	
							Min	Max	Min	Max	Min	Max	Max	8T/RK=			
41-	Nutley sil	100	0.45	38	3	65	0.28	5	0	3	125	300	0.072	0.399	2.198	3	3
p41B	Nutley sil	100	0.45	38	3	65	0.28	5	3	6	50	200	0.233	0.951	2.198	3	3
42-	Sinai sil	100	0.45	38	3	65	0.28	5	0	1	125	300	0.072	0.179	2.198	3	3
43B	Makoi sil	60	0.45	48	3	65	0.32	5	3	6	50	200	0.233	0.951	1.923	3	3
	Sakakawea sil	40	0.45	86	3	65	0.28	5	3	6	50	200	0.233	0.951	1.923	3	3
45	Makoti sil	100	0.45	48	3	65	0.32	5	0	3	50	200	0.060	0.353	1.923	3	3
p47B	Tansem sil	100	0.45	48	3	65	0.28	5	0	6	50	275	0.060	1.115	1.923	3	3
48B	Sakakawea sil	100	0.45	86	3	65	0.28	5	1	6	50	200	0.105	0.951	2.198	3	3
50-	Overly sil	100	0.45	38	3	65	0.32	5	0	3	125	350	0.072	0.418	1.923	3	3
p51B	Overly sil	55	0.45	48	3	65	0.32	5	3	6	50	150	0.233	0.823	1.923	3	3
	Sakakawea sil	45	0.45	86	3	65	0.28	5	3	6	50	150	0.233	0.823	2.198	3	3
p52	Bearden sil	100	0.45	86	3	65	0.28	5	0	3	50	200	0.060	0.353	2.198	3	3
p61B	Lihen lfs	100	0.45	134	1	65	0.17	5	1	6	75	250	0.118	1.063	3.620	3	3
p62D	Telfer lfs	100	0.45	134	1	65	0.17	5	6	15	50	175	0.475	3.386	3.620	3	3
p65B	Swenoda fsl	70	0.45	86	3	65	0.2	5	3	6	50	150	0.233	0.823	3.077	3	3
	Lanona fsl	30	0.45	86	3	65	0.2	5	3	6	50	150	0.233	0.823	3.077	3	3
68B	Maddock ls	100	0.45	134	1	65	0.17	5	1	6	50	200	0.105	0.951	3.620	3	3
70D	Towner ls	40	0.45	134	1	65	0.2	5	9	15	100	300	1.173	4.433	3.077	2	3
	Maddock ls	35	0.45	134	1	65	0.2	5	6	15	75	300	0.582	4.433	3.077	2	3
	Buse I	25	0.45	86	3	65	0.28	5	9	15	100	300	1.173	4.433	2.198	2	1
71B	Tally fsl	100	0.45	86	3	65	0.2	5	1	6	50	175	0.105	0.889	3.077	3	3
73	Parshall fsl	100	0.45	86	3	65	0.2	5	0	3	125	400	0.072	0.435	3.077	3	3
p75	Colvin sil, saline	100	0.45	86	3	65	0.32	5	0	1	100	250	0.069	0.170	1.923	3	3
82	Barnes I	70	0.45	48	3	65	0.28	5	0	3	175	400	0.078	0.435	2.198	3	3
	Svea I	30	0.45	48	3	65	0.28	5	0	3	175	400	0.078	0.435	2.198	3	3
82B	Barnes I	70	0.45	48	3	65	0.28	5	3	6	125	400	0.307	1.344	2.198	3	3
	Svea I	30	0.45	48	3	65	0.28	5	3	6	125	400	0.307	1.344	2.198	3	3
83B	Barnes I	70	0.45	48	3	65	0.28	5	3	6	50	300	0.233	1.164	2.198	3	3
	Buse I	30	0.45	86	3	65	0.28	5	3	6	50	300	0.233	1.164	2.198	3	3
84C	Buse I	55	0.45	86	3	65	0.28	5	6	9	50	250	0.475	1.854	2.198	3	3
	Barnes I	45	0.45	48	3	65	0.28	5	6	9	50	250	0.475	1.854	2.198	3	3
85D	Buse I	55	0.45	86	3	65	0.28	5	9	15	50	350	0.829	4.788	2.198	2	1
	Barnes I	45	0.45	48	3	65	0.28	5	9	15	50	350	0.829	4.788	2.198	2	1
86F	Buse I	70	0.45	86	3	65	0.28	5	15	35	50	300	1.810	17.705	2.198	2	1
	Barnes I	30	0.45	48	3	65	0.28	5	15	35	50	300	1.810	17.705	2.198	2	1
89D	Buse I	40	0.45	86	3	65	0.28	5	6	15	50	300	0.475	4.455	2.198	2	1
	Svea I	40	0.45	48	3	65	0.28	5	3	12	50	200	0.233	2.551	2.198	2	3
	parnell sil	20	0.45	38	3	65	0.28	5	0	3	50	250	0.060	0.378	2.198	3	3
p90B	Flaxton fsl	65	0.45	86	3	65	0.2	5	1	6	50	200	0.105	0.951	3.077	3	3
	Williams I	35	0.45	48	3	65	0.28	5	1	6	50	200	0.105	0.951	2.198	3	3
p91C	Flaxton fsl	70	0.45	86	3	65	0.2	5	6	9	50	200	0.475	1.659	3.077	3	3
	Williams I	30	0.45	48	3	65	0.28	5	6	9	50	200	0.475	1.659	2.198	3	3
p92B	Barnes I	50	0.45	48	3	65	0.28	5	1	6	50	300	0.105	1.164	2.198	3	3
	Cresbard I	50	0.45	48	3	65	0.32	3	1	6	50	300	0.105	1.164	1.154	2	3
93B	Barnes I	60	0.45	48	3	65	0.28	5	1	6	50	200	0.105	0.951	2.198	3	3
	Cavour I	40	0.45	48	3	65	0.37	3	1	6	50	200	0.105	0.951	0.998	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	HEL Class	
									Min	Max	Min	Max	Min	Max	8T/RK=		
p94	Miranda l	100	0.45	48	3	65	0.32	3	0	1	50	200	0.060	0.159	1.154	3	3
p95B	Felor fsl	100	0.45	86	1	65	0.28	4	3	6	50	150	0.233	0.823	1.758	3	3
96B	Vebar fsl	100	0.45	86	1	65	0.2	4	1	6	75	400	0.118	1.344	2.462	3	3
97C	Vebar fsl	60	0.45	86	1	65	0.2	4	6	9	50	400	0.475	2.345	2.462	3	3
	Flasher fsl	40	0.45	86	1	65	0.24	2	6	9	50	350	0.475	2.194	1.026	2	1
98D	Flasher fsl	55	0.45	86	1	65	0.24	2	9	15	50	350	0.829	4.788	1.026	2	1
	Vebar fsl	45	0.45	86	1	65	0.2	4	9	15	50	400	0.829	5.119	2.462	2	1
p99	Reeder l	100	0.45	48	3	65	0.28	4	0	3	125	350	0.072	0.418	1.758	3	3
p99B	Reeder l	100	0.45	48	3	65	0.28	4	3	6	75	250	0.263	1.063	1.758	3	3
p101C	Reeder l	100	0.45	48	3	65	0.28	4	6	9	50	125	0.475	1.311	1.758	3	3
102-	Amor l	100	0.45	48	3	65	0.28	4	0	3	125	350	0.072	0.418	1.758	3	3
103B	Amor l	70	0.45	48	3	65	0.28	4	3	6	75	250	0.263	1.063	1.758	3	3
	Cabba l	30	0.45	86	1	65	0.32	2	3	6	75	250	0.263	1.063	0.769	2	3
103C	Amor l	55	0.45	48	3	65	0.28	4	6	9	50	125	0.475	1.311	1.758	3	3
	Cabba l	45	0.45	86	1	65	0.32	2	6	9	50	125	0.475	1.311	0.769	2	1
104D	Cabba l	55	0.45	86	1	65	0.32	2	9	15	50	350	0.829	4.788	0.769	1	1
	Amor l	45	0.45	48	3	65	0.28	4	9	15	50	350	0.829	4.788	1.758	2	1
105	Farnuf l	100	0.45	48	3	65	0.28	5	0	3	125	300	0.072	0.399	2.198	3	3
p106B	Grail sicl	100	0.45	38	3	65	0.32	5	1	6	100	350	0.138	1.258	1.923	3	3
111-	Harriet l	100	0.45	48	3	65	0.37	3	0	1	50	200	0.060	0.159	0.998	3	3
p112F	Flasher lfs	55	0.45	134	1	65	0.17	2	15	50	50	350	1.810	33.344	1.448	1	1
	Telfer lfs	45	0.45	134	1	65	0.17	5	15	50	50	350	1.810	33.344	3.620	2	1
p113F	Cabbba l	55	0.45	86	1	65	0.37	2	15	50	50	300	1.810	30.871	0.665	1	1
	Amor l	45	0.45	48	3	65	0.28	4	15	50	50	300	1.810	30.871	1.758	1	1
p115	Daglum l	70	0.45	48	3	65	0.32	3	0	3	50	200	0.060	0.353	1.154	3	3
	Belfield l	30	0.45	48	3	65	0.32	3	0	3	50	200	0.060	0.353	1.154	3	3
p116C	Janesburg l	10	0.45	48	3	65	0.28	3	3	9	50	200	0.233	1.659	1.319	2	3
117B	Regent sicl	100	0.45	38	3	65	0.32	4	1	6	100	300	0.129	1.164	1.538	3	3
p123	Wilton sil	100	0.45	48	3	65	0.28	5	0	3	75	250	0.065	0.378	2.198	3	3
p124	Stirum fsl	100	0.45	86	1	65	0.24	3	0	3	75	200	0.065	0.353	1.538	3	3
140B	Lohnes lcos	100	0.45	134	1	65	0.15	5	0	6	125	400	0.072	1.344	4.103	3	3
p142D	Claire ls	65	0.45	134	1	65	0.15	5	6	15	50	175	0.475	3.386	4.103	3	3
	Lohnes ls	35	0.45	134	1	65	0.15	5	6	15	50	175	0.475	3.386	4.103	3	3
p143	Wyrene cosl	100	0.45	86	1	65	0.2	4	0	1	50	200	0.060	0.159	2.462	3	3
150-	Pits Gravel	100	0.45	0	ERROR	65	0	0	0	0	0	0	0.000	0.000	ERROR	ERROR	ERROR
p155F	Zahl stx l	50	0.45	1	3	65	0.28	5	9	35	50	300	0.829	17.705	2.198	2	1
	Max stx l	50	0.45	1	3	65	0.28	5	9	35	50	300	0.829	17.705	2.198	2	1