

McIntosh  
North Dakota

9-20-19??

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	Water HEL Class	
p2	Tonka sil	100	45	48	3	65	0.32	5	0	1	50	250	0.060	0.170	1.923	3	3
3-	Parnell sicl	100	45	38	3	65	0.28	5	0	1	50	250	0.060	0.170	2.198	3	3
5-	Southam sicl	100	45	86	3	65	0.37	5	0	1	50	250	0.060	0.170	1.663	3	3
8	Vallers I, saline	100	45	86	3	65	0.28	5	0	1	50	150	0.060	0.146	2.198	3	3
p9	Colvin sil	100	45	86	3	65	0.32	5	0	1	50	250	0.060	0.170	1.923	3	3
13-	Williams I	55	45	48	3	65	0.28	5	0	3	175	400	0.078	0.435	2.198	3	3
	Bowbells I	45	45	48	3	65	0.28	5	0	3	175	400	0.078	0.435	2.198	3	3
13B	Williams I	60	45	48	3	65	0.28	5	3	6	125	400	0.307	1.344	2.198	3	3
	Bowbells I	40	45	48	3	65	0.28	5	3	6	125	400	0.307	1.344	2.198	3	3
14B	Williams I	65	45	48	3	65	0.28	5	3	6	50	300	0.233	1.164	2.198	3	3
	Zahl I	35	45	86	3	65	0.28	5	3	6	50	300	0.233	1.164	2.198	3	3
15C	Zahl I	55	45	86	3	65	0.28	5	6	9	50	200	0.475	1.659	2.198	3	3
	Williams I	45	45	48	3	65	0.28	5	6	9	50	200	0.475	1.659	2.198	3	3
16D	Zahl I	55	45	86	3	65	0.28	5	9	15	75	350	1.016	4.788	2.198	2	1
	williams I	45	45	48	3	65	0.28	5	9	15	75	350	1.016	4.788	2.198	2	1
17F	Zahl I	60	45	86	3	65	0.28	5	15	45	75	300	2.217	26.327	2.198	1	1
	Max I	40	45	48	3	65	0.28	5	15	45	75	300	2.217	26.327	2.198	1	1
18D	Zahl I	45	45	86	3	65	0.28	5	6	15	50	250	0.475	4.047	2.198	2	1
	Williams I	35	45	48	3	65	0.28	5	6	15	50	250	0.475	4.047	2.198	2	1
	Parnell sicl	20	45	38	3	65	0.28	5	0	1	50	250	0.060	0.170	2.198	3	3
p19	Williams I	60	45	48	3	65	0.28	5	0	3	125	300	0.072	0.399	2.198	3	3
	Niobell I	40	45	48	3	65	0.32	3	0	3	125	300	0.072	0.399	1.154	3	3
p19B	Williams I	60	45	48	3	65	0.28	5	3	6	75	250	0.263	1.063	2.198	3	3
	Niobell I	40	45	48	3	65	0.32	3	3	6	75	250	0.263	1.063	1.154	3	3
p20	Williams I	60	45	48	3	65	0.28	5	0	3	125	250	0.072	0.378	2.198	3	3
	Noonan I	40	45	48	3	65	0.32	3	0	3	125	250	0.072	0.378	1.154	3	3
p20B	Williams I	60	45	48	3	65	0.28	5	3	6	75	250	0.263	1.063	2.198	3	3
	Noonan I	40	45	48	3	65	0.32	3	3	6	75	250	0.263	1.063	1.154	3	3
p21C	Williams I	100	45	48	3	65	0.28	5	6	9	75	200	0.582	1.659	2.198	3	3
p22	Hamerly, saline	100	45	86	3	65	0.28	5	0	3	50	150	0.060	0.324	2.198	3	3
23B	Arnegard I	100	45	48	3	65	0.28	5	0	6	75	350	0.065	1.258	2.198	3	3
p24	Hamerly I	70	45	86	3	65	0.28	5	0	3	50	150	0.060	0.324	2.198	3	3
	Tonka sil	30	45	48	3	65	0.32	5	0	3	50	150	0.060	0.324	1.923	3	3
p25	Hamerly I	100	45	86	3	65	0.28	5	0	3	50	175	0.060	0.339	2.198	3	3
26B	Manning sl	100	45	86	1	65	0.2	4	1	6	75	275	0.118	1.115	2.462	3	3
28B	Wabek sl	100	45	86	1	65	0.2	2	0	6	50	275	0.060	1.115	1.231	3	3
28E	Wabek sl	100	45	86	1	65	0.2	2	6	25	50	250	0.475	9.313	1.231	2	1
p29B	Renshaw I	60	45	48	3	65	0.28	3	3	6	50	200	0.233	0.951	1.319	3	3
	Fordville I	40	45	48	3	65	0.28	4	1	6	50	200	0.105	0.951	1.758	3	3
30B	Wabek sl	65	45	86	1	65	0.28	2	1	6	50	275	0.105	1.115	0.879	2	3
	Lehr I	35	45	56	1	65	0.28	3	1	6	50	275	0.105	1.115	1.319	3	3
31	Wodle I	70	45	48	3	65	0.28	4	0	3	125	350	0.072	0.418	1.758	3	3
	Lehr I	30	45	56	1	65	0.28	3	0	3	125	350	0.072	0.418	1.319	3	3
32B	Lehr I	70	45	56	1	65	0.28	3	3	6	50	175	0.233	0.889	1.319	3	3
	Bowdle I	30	45	48	3	65	0.28	4	3	6	50	175	0.233	0.889	1.758	3	3
34	Marysland I	100	45	86	1	65	0.28	4	0	1	50	200	0.060	0.126	1.758	3	3
36	Divide I	100	45	86	1	65	0.28	4	0	3	75	250	0.065	0.378	1.758	3	3

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Map Symbol	Soil Name	%	WIND EROSION					WATER EROSION					Revised			
			C Value	I Value	HEL Class	R Value	K Value	T Value	Slope- -Percent Min	Slope- -Length Max Min	LS- -Value Max	8T/RK=	Water HEL Class	Water HEL Class		
p38B	Sioux sl	60	45	86	1	65	0.24	2	1	6 50	300	0.105	1.164	1.026	2	3
	Arvilla sl	40	45	86	1	65	0.2	3	1	6 50	300	0.105	1.164	1.846	3	3
	38E Sioux grsl	100	45	42	1	65	0.24	2	6	25 50	250	0.475	9.313	1.026	2	1
	41- Nutley sicl	100	45	86	3	65	0.28	5	0	3 125	300	0.072	0.399	2.198	3	3
	41B Nutley sicl	100	45	86	3	65	0.28	5	3	6 50	200	0.233	0.951	2.198	3	3
	42- Sinai sicl	100	45	38	3	65	0.28	5	0	1 125	300	0.072	0.179	2.198	3	3
	43B Makoti sil	60	45	48	3	65	0.32	5	3	6 50	200	0.233	0.951	1.923	3	3
	Sakakawea sil	40	45	86	3	65	0.28	5	3	6 50	200	0.233	0.951	2.198	3	3
p44C	Makoti sil	60	45	48	3	65	0.32	5	6	9 50	200	0.475	1.659	1.923	3	3
	Sakakawea sil	40	45	86	3	65	0.28	5	6	9 50	200	0.475	1.659	2.198	3	3
	45 Makoti sil	100	45	48	3	65	0.32	5	0	3 50	200	0.060	0.353	1.992	3	3
	47B Bryant sil	100	45	48	3	65	0.32	5	0	6 50	275	0.060	1.115	1.923	3	3
	48B Sakakawea sil	100	45	86	3	65	0.28	5	1	6 50	200	0.105	0.951	2.198	3	3
p48D	Sakakawea sil	100	45	86	3	65	0.28	5	9	15 50	200	0.829	3.620	2.198	2	1
	50- Overly sicl	100	45	38	3	65	0.32	5	0	3 125	350	0.072	0.418	1.923	3	3
	51B Overly sicl	55	45	38	3	65	0.32	5	3	6 50	150	0.233	0.823	1.923	3	3
	Sakakawea sicl	45	45	86	3	65	0.28	5	3	6 50	150	0.233	0.823	2.198	3	3
	p52 Bearden sil	100	45	86	3	65	0.28	5	0	3 50	200	0.060	0.353	2.198	3	3
	61B Telfer lfs	100	45	134	1	65	0.17	5	1	6 75	250	0.118	1.063	3.620	3	3
p62D	Telfer lfs	100	45	134	1	65	0.17	5	6	15 50	175	0.475	3.386	3.620	3	3
p65B	Swenoda fsl	70	45	86	3	65	0.2	5	3	6 50	150	0.233	0.823	3.077	3	3
	Lanona fsl	30	45	86	3	65	0.2	5	3	6 50	150	0.233	0.823	3.008	3	3
	71B Tally fsl	100	45	86	3	65	0.2	5	1	6 50	175	0.105	0.889	3.077	3	3
	73 Parshall fsl	100	45	86	3	65	0.2	5	0	3 125	400	0.072	0.435	3.077	3	3
	p75 Colvin sil, saline	100	45	86	3	65	0.32	5	0	1 100	250	0.069	0.170	1.923	3	3
	77B Flaxton fsl	100	45	86	3	65	0.2	5	1	6 50	200	0.105	0.951	3.077	3	3
p82B	Barnes I	70	45	48	3	65	0.28	5	3	6 125	400	0.307	1.344	2.198	3	3
	Svea I	30	45	48	3	65	0.28	5	3	6 125	400	0.307	1.344	2.198	3	3
	83B Barnes I	70	45	48	3	65	0.28	5	3	6 50	300	0.233	1.164	2.198	3	3
	Buse I	30	45	86	3	65	0.28	5	3	6 50	300	0.233	1.164	2.198	3	3
	84C Buse I	55	45	86	3	65	0.28	5	6	9 50	250	0.475	1.854	2.198	3	3
	Barnes I	45	45	48	3	65	0.28	5	6	9 50	250	0.475	1.854	2.198	3	3
	85D Buse I	55	45	86	3	65	0.28	5	9	15 50	350	0.829	4.788	2.198	2	1
	Barnes I	45	45	48	3	65	0.28	5	9	15 50	350	0.829	4.788	2.198	2	1
	86F Buse I	70	45	86	3	65	0.28	5	15	35 50	300	1.810	17.705	2.198	2	1
	Barnes I	30	45	48	3	65	0.28	5	15	35 50	300	1.810	17.705	2.198	2	1
p90B	Flaxton fsl	65	45	86	3	65	0.2	5	1	6 50	200	0.105	0.951	3.077	3	3
	Williams I	35	45	48	3	65	0.28	5	1	6 50	200	0.105	0.951	2.198	3	3
p91C	Barnes I	70	45	86	3	65	0.2	5	6	9 50	200	0.475	1.659	3.077	3	3
	Cavour I	30	45	48	3	65	0.28	5	6	9 50	200	0.475	1.659	2.198	3	3
p93B	Barnes I	60	45	48	3	65	0.28	5	1	6 50	200	0.105	0.951	2.198	3	3
	Cavour I	40	45	48	3	65	0.37	5	1	6 50	200	0.105	0.951	0.998	3	3
p94	Miranda I	100	45	48	3	65	0.32	3	0	1 50	200	0.060	0.159	1.154	3	3
	95 Felor I	100	45	48	3	65	0.28	4	3	6 50	150	0.233	0.823	1.758	3	3
	96B Vebar fsl	100	45	86	1	65	0.2	4	1	6 75	400	0.118	1.344	2.462	3	3
97C	Vebar fsl	60	45	86	1	65	0.2	4	6	9 50	400	0.475	2.346	2.462	3	3
	Flasher fsl	40	45	86	1	65	0.24	2	6	9 50	350	0.475	2.194	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	8T/RK=	HEL Class	Class			
98D	Flasher fsl	60	45	86	1	65	0.24	2	9	15	50	350	0.829	4.788	1.026	2	1
	Vebar fsl	40	45	86	1	65	0.2	4	9	15	50	400	0.829	5.119	2.462	2	1
99	Reeder I	60	45	48	3	65	0.28	4	0	3	125	350	0.072	0.418	1.758	3	3
	Arnegard I	25	45	48	3	65	0.28	5	0	3	100	300	0.069	0.399	2.198	3	3
99B	Reeder I	60	45	48	3	65	0.28	4	3	6	75	250	0.263	1.063	1.758	3	3
	Arnegard I	25	45	48	3	65	0.28	5	3	6	75	250	0.263	1.063	2.198	3	3
102-	Amor I	100	45	48	3	65	0.28	4	0	3	125	350	0.072	0.418	1.758	3	3
103B	Amor I	70	45	48	3	65	0.28	4	3	6	75	250	0.263	1.063	1.758	3	3
	Cabba I	30	45	86	1	65	0.32	2	3	6	75	250	0.263	1.063	0.769	2	3
103C	Amor I	55	45	48	3	65	0.28	4	6	9	50	125	0.475	1.311	1.758	3	3
	Cabba I	45	45	86	1	65	0.32	2	6	9	50	125	0.475	1.311	0.769	2	1
104D	Cabba I	55	45	86	1	65	0.32	2	9	15	50	350	0.829	4.788	0.769	1	1
	Amor I	45	45	48	3	65	0.28	4	9	15	50	350	0.829	4.788	1.758	2	1
105	Farnuf I	100	45	48	3	65	0.28	5	0	3	125	300	0.072	0.399	2.198	3	3
106B	Grail sil	100	45	48	3	65	0.32	5	1	6	125	350	0.138	1.258	1.923	3	3
111-	Harriet I	100	45	48	3	65	0.37	3	0	1	50	200	0.060	0.159	0.998	3	3
112F	Flasher lfs	55	45	134	1	65	0.17	2	15	50	50	350	1.810	33.344	1.448	1	1
	Vebar fsl	45	45	86	1	65	0.2	4	15	50	50	350	1.810	33.344	2.462	2	1
113F	Cabba I	55	45	86	1	65	0.37	2	15	50	50	300	1.810	30.871	0.665	1	1
	Amor I	45	45	48	3	65	0.28	4	15	50	50	300	1.810	30.871	1.758	1	1
115	Daglum I	100	45	48	3	65	0.32	3	0	3	50	200	0.060	0.353	1.154	3	3
116C	Rhoades I	70	45	48	3	65	0.28	3	3	9	50	200	0.233	1.659	1.319	2	3
	Daglum I	30	45	48	3	65	0.32	3	3	9	50	200	0.233	1.659	1.154	2	3
117B	regent sid	65	45	38	3	65	0.32	4	1	6	100	300	0.129	1.164	1.538	3	3
	Savage	35	45	38	3	65	0.37	5	1	6	100	300	0.129	1.164	1.663	3	3
p124	Stirum fsl	100	45	86	1	65	0.24	3	0	3	75	200	0.065	0.353	1.538	3	3
130	Bearpaw I	10	45	48	3	65	0.43	5	0	3	50	250	0.060	0.378	1.663	3	3
130B	Bearpaw I	100	45	48	3	65	0.43	5	3	6	75	250	0.263	1.063	1.538	3	3
131C	Bearpaw I	100	45	48	3	65	0.43	5	6	9	50	200	0.475	1.659	1.431	2	3
p132	Bearpaw I	50	45	48	3	65	0.43	5	0	3	50	250	0.060	0.378	1.431	3	3
	Noonan I	50	45	48	3	65	0.32	3	0	3	50	250	0.060	0.378	1.431	3	3
p132B	Bearpaw I	50	45	48	3	65	0.43	5	3	6	75	200	0.263	0.951	1.431	3	3
	Noonan I	50	45	48	3	65	0.32	3	3	6	75	200	0.263	0.951	1.154	3	3
p140B	Lohnes lcos	100	45	134	1	65	0.15	5	1	6	125	400	0.138	1.344	4.103	3	3
142D	Schaller ls	100	45	134	1	65	0.15	5	6	15	50	175	0.475	3.386	4.103	3	3
150-	Pits, Sand and Gravel	100	45	0	ERROR	65	0.00	0	0	0	0	0	0.000	0.000	ERROR	ERROR	ERROR
155F	Zahl stx I	50	45	1	3	65	0.28	5	9	35	50	300	0.829	17.705	2.198	2	1
	Max stx I	50	45	1	3	65	0.28	5	9	35	50	300	0.829	17.705	2.198	2	1