Towner 1/10/90 Higly Erodible and
North Dakota Potentially Highly Erodible
Land Calculator Ver. 1.1

Highly Erodible Land Classes
1= Highly Erodible Land
2= Potentially Highly Erodible
3= Not Highly Erodible

			WIND EROSION			WATER EROSION												Revised Water
			C	I	HEL	R	K	T	Slope- -Percent		Slope- -Length		LS- -Value			Water	HEL
Map Symbol	Soil Name	%	Value	Value	Class	Value	Value	Value	Min	Max	Min	Max	Min	Max	8T/RK=	HEL Class	Class
2	Parnell sil	100	0.40	48	3	55	0.28	5	0	1	5	50	0.038	0.105	2.597	3	3
3	Parnell-	55	0.40	48	3	55	0.28	5	0	3	5	50	0.038	0.233	2.597	3	3
	Vallers saline, cx 0-3%	35	0.40	86	3	55	0.28	5	0	3	5	50	0.038	0.233	2.597	3	3
4	Southam sic	100	0.40	86	3	55	0.28	5	0	1	5	50	0.038	0.105	2.597	3	3
8	Colvin sil	100	0.40	86	3	55	0.28	5	0	1	50	250	0.060	0.170	2.597	3	3
11	Vallers-	50	0.40	86	3	55	0.28	5	0	3	75	200	0.065	0.353	2.597	3	3
	Hamerly l, saline, 0-3%	50	0.40	86	3	55	0.28	5	0	3	75	200	0.065	0.353	2.597	3	3
17	Lamoure sicl, channeled	100	0.40	86	3	55	0.28	5	0	1	5	50	0.038	0.105	2.597	3	3
19D	Buse-	70	0.40	86	3	55	0.28	5	9	15	50	115	0.829	2.745	2.597	2	3
	Barnes l, 9-15%	30	0.40	48	3	55	0.28	5	9	15	50	115	0.829	2.745	2.597	2	3
20	Barnes l, 1-3%,terrace phase	80	0.40	48	3	55	0.28	5	1	3	50	200	0.105	0.353	2.597	3	3
21F	Buse-	70	0.40	86	1	55	0.28	5	1	35	50	250	0.105	16.162	2.597	2	1
	LaPrairie l, 1-35%	30	0.40	86	1	55	0.28	5	1	35	50	250	0.105	16.162	2.597	2	1
22	Hamerly-	50	0.40	86	3	55	0.28	5	0	3	75	200	0.065	0.353	2.597	3	3
	Barnes-	30	0.40	48	3	55	0.28	5	0	3	75	200	0.065	0.353	2.597	3	3
	Vallers l, 0-3%	20	0.40	86	3	55	0.28	5	0	3	75	200	0.065	0.353	2.597	3	3
23	Barnes-	60	0.40	48	3	55	0.28	5	1	3	75	200	0.118	0.353	2.597	3	3
	Svea l, 1-3%	40	0.40	48	3	55	0.28	5	1	3	75	200	0.118	0.353	2.597	3	3
23B	Barnes-	60	0.40	48	3	55	0.28	5	3	6	50	165	0.233	0.863	2.597	3	3
	Buse l, 3-6%	40	0.40	86	3	55	0.28	5	3	6	50	165	0.233	0.863	2.597	3	3
23C	Buse-	50	0.40	86	3	55	0.28	5	6	9	50	190	0.475	1.617	2.597	3	3
	Barnes l, 6-9%	50	0.40	48	3	55	0.28	5	6	9	50	190	0.475	1.617	2.597	3	3
24B	Swenoda fsl, 1-6%	100	0.40	86	3	55	0.20	5	1	6	50	150	0.105	0.823	3.636	3	3
26	Divide l, 0-3%	100	0.40	86	1	55	0.28	4	0	3	75	200	0.065	0.353	2.078	3	3
27B	Towner fsl, 1-6%	100	0.40	86	3	55	0.20	5	1	6	50	150	0.105	0.823	3.636	3	3
28	Hamerly-	50	0.40	86	3	55	0.28	5	0	3	50	200	0.060	0.353	2.597	3	3
	Tonka-	30	0.40	48	3	55	0.32	5	0	3	50	200	0.060	0.353	2.273	3	3
	Parnell cx, 0-3%	20	0.40	48	3	55	0.28	5	0	3	50	200	0.060	0.353	2.597	3	3
35	Hecla lfs, 0-2%	100	0.40	134	1	55	0.17	5	0	2	100	300	0.069	0.279	4.278	3	3
44	Overly-	60	0.40	48	3	55	0.28	5	0	3	100	300	0.069	0.399	2.597	3	3
	Great Bend sil, 0-3%	40	0.40	48	3	55	0.28	5	0	3	100	300	0.069	0.399	2.597	3	3
44B	Great Bend sil, 3-6%	100	0.40	48	3	55	0.28	5	3	6	50	200	0.233	0.951	2.597	3	3

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			C	I	HEL	R	K	T	Slope- -Percent		Slope- -Length		LS- -Value			Water	HEL
Map Symbol	Soil Name	%	Value	Value	Class	Value	Value	Value	Min	Max	Min	Max	Min	Max	8T/RK=	HEL Class	Class
49B	Maddock-	60	0.40	134	1	55	0.17	5	1	6	40	100	0.098	0.672	4.278	3	3
	Hecla lfs, 1-6%	40	0.40	134	1	55	0.17	5	1	6	40	100	0.098	0.672	4.278	3	3
53	Divide-	65	0.40	86	1	55	0.28	4	1	3	75	200	0.118	0.353	2.078	3	3
	Brantford l, 1-3%	35	0.40	56	3	55	0.28	3	1	3	75	200	0.118	0.353	1.558	3	3
54B	Brantford-	65	0.40	56	3	55	0.28	3	1	6	20	50	0.080	0.475	1.558	3	3
	Coe l, 1-6%	35	0.40	86	1	55	0.20	2	1	6	20	50	0.080	0.475	1.455	3	3
54C	Barnes-	55	0.40	48	3	55	0.28	5	6	9	25	75	0.336	1.016	2.597	3	3
	Brantford l, 6-9%	45	0.40	56	3	55	0.28	3	6	9	25	75	0.336	1.016	1.558	3	3
59	Pits, Gravel	100															
60	Hamerly-	60	0.40	86	3	55	0.28	5	0	3	100	200	0.069	0.353	2.597	3	3
	Cresbard l, 0-3%	40	0.40	48	3	55	0.32	3	0	3	100	200	0.069	0.353	1.364	3	3
63	Easby cl	100	0.40	86	3	55	0.28	5	0	1	20	200	0.050	0.159	2.597	3	3
89	Wyndmere fsl, 0-3%	100	0.40	86	3	55	0.20	5	0	3	75	200	0.065	0.353	3.636	3	3
90	Bearden sil, 0-3%	100	0.40	86	3	55	0.28	5	0	3	50	100	0.060	0.287	2.597	3	3
92	Bearden and	60	0.40	86	3	55	0.28	5	0	1	50	100	0.060	0.129	2.597	3	3
	Colvin sil, saline	40	0.40	86	3	55	0.28	5	0	1	50	100	0.060	0.129	2.597	3	3
98C	Zell-	65	0.40	86	3	55	0.28	5	6	9	20	75	0.301	1.016	2.597	3	3
	Great Bend sil, 6-9%	35	0.40	48	3	55	0.28	5	6	9	20	75	0.301	1.016	2.597	3	3
101	Hegne sic, saline	90	0.40	86	3	55	0.28	5	0	3	100	300	0.069	0.399	2.597	3	3
102	Hegne-	60	0.40	86	3	55	0.28	5	0	9	100	300	0.069	2.031	2.597	3	3
	Fargo sic	40	0.40	86	3	55	0.28	5	0	3	100	300	0.069	0.399	2.597	3	3
	PROVISIONAL MAP UNITS																
12	Manfred cl	100	0.40	38	3	55	0.32	3	0	1	20	50	0.050	0.105	1.364	3	3
37	Eckman sil, 1-3%	100	0.40	56	3	55	0.28	5	1	3	50	250	0.105	0.378	2.597	3	3
38	Hamar lfs	90	0.40	134	1	55	0.17	5	1	3	15	100	0.073	0.287	4.278	3	3
42	Glyndon-	60	0.40	86	3	55	0.28	5	1	3	75	250	0.118	0.378	2.597	3	3
	Perella sil, 1-3%	40	0.40	48	3	55	0.28	5	1	3	75	250	0.118	0.378	2.597	3	3
49D	Maddock lfs, 6-15%	100	0.40	134	1	55	0.17	5	6	15	75	225	0.582	3.839	4.278	3	3
51B	Binford sl, 1-6%	90	0.40	86	1	55	0.20	3	1	6	20	60	0.080	0.521	2.182	3	3
*52	Marysland l	100	0.40	86	3	55	0.28	4	0	1	15	50	0.047	0.105	2.078	3	3
54E	Brantford-	50	0.40	56	3	55	0.28	3	9	25	50	150	0.829	7.214	1.558	2	1
	Coe cx, 9-25%	40	0.40	86	1	55	0.20	2	9	25	50	150	0.829	7.214	1.455	2	1

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			C	I	HEL	R	K	T	Slope- -Percent		Slope- -Length		LS- -Value				Water	
Map Symbol	Soil Name	%	Value	Value	Class	Value	Value	Value	Min	Max	Min	Max	Min	Max	8T/RK=		HEL Class	
61	Miranda l	90	0.40	48	3	55	0.32	3	0	1	20	50	0.050	0.105	1.364		3	3
91	Bearden-	65	0.40	86	3	55	0.28	5	0	3	75	200	0.065	0.353	2.597		3	3
	Perella, 0-3%	35	0.40	48	3	55	0.28	5	0	3	75	200	0.065	0.353	2.597		3	3
93	Aberdeen-	50	0.40	48	3	55	0.32	3	0	3	75	200	0.065	0.353	1.364		3	3
	Bearden, 0-3%	50	0.40	86	3	55	0.28	5	0	3	75	200	0.065	0.353	2.597		3	3

*This map unit is not considered higly erodible due to its low, wet
landscape position that protects it during the critical erosion period