Burleigh
North Dakota

11-9-90

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

			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
AgA	Arnegard	50	0.5	48	3	55	0.28	5	0	3	100	250	0.069	0.378	2.597	3	3
	Grassna	50	0.5	48	3	55	0.32	5	0	3	100	250	0.069	0.378	2.273	3	3
AgB	Arnegard	50	0.5	48	3	55	0.28	5	3	6	100	200	0.287	0.951	2.597	3	3
	Grassna	50	0.5	48	3	55	0.32	5	3	6	100	200	0.287	0.951	2.273	3	3
Ar	Arveson	62	0.5	86	1	55	0.24	4	0	3	50	200	0.060	0.353	2.424	3	3
	Stirum	28	0.5	86	1	55	0.24	3	0	3	50	200	0.060	0.353	1.818	3	3
As	Arveson	69	0.5	86	1	55	0.24	4	0	3	50	200	0.060	0.353	2.424	3	3
	Stirum	31	0.5	86	1	55	0.24	3	0	3	50	200	0.060	0.353	1.818	3	3
Ba	Banks lfs	100	0.5	134	1	55	0.24	5	0	6	50	150	0.060	0.823	3.030	3	3
Bf	Banks fsl	100	0.5	86	1	55	0.24	5	0	3	50	150	0.060	0.324	3.030	3	3
Bk	Banks loam	100	0.5	86	1	55	0.24	5	0	3	50	150	0.060	0.324	3.030	3	3
BrA	Belfield	75	0.5	38	3	55	0.32	3	0	3	50	200	0.060	0.353	1.364	3	3
	Rhoades	25	0.5	48	1	55	0.32	3	0	3	50	200	0.060	0.353	1.364	3	3
BrB	Belfield	75	0.5	38	3	55	0.32	3	3	6	50	150	0.233	0.828	1.364	3	3
	Rhoades	25	0.5	48	1	55	0.32	3	3	6	50	150	0.233	0.823	1.364	3	3
Bs	Belfield	61	0.5	38	3	55	0.32	3	0	3	50	200	0.060	0.353	1.364	3	3
	Rhoades	28	0.5	48	1	55	0.32	3	0	3	50	200	0.060	0.353	1.364	3	3
	Grail	11	0.5	38	3	55	0.32	5	0	3	50	200	0.060	0.353	2.273	3	3
Bt	Blownout land	100	0.5	220	ERROR	55	0.0	0	0	0	5	75	0.038	0.065	ERROR	ERROR	ERROR
Cn	Colvin scl	100	0.5	86	1	55	0.32	5	0	3	100	300	0.069	0.399	2.273	3	3
Da	Daglum	50	0.5	48	1	55	0.32	3	0	3	50	150	0.060	0.324	1.364	3	3
	Belfield	39	0.5	38	3	55	0.32	3	0	3	50	150	0.060	0.324	1.364	3	3
	Harriet	11	0.5	48	1	55	0.37	3	0	3	50	150	0.060	0.324	1.179	3	3
Dg	Daglum	62	0.5	48	1	55	0.32	3	3	6	50	150	0.233	0.823	1.364	3	3
	Rhoades	28	0.5	48	1	55	0.32	3	3	6	50	150	0.233	0.823	1.364	3	3
Dk	Dimmick sc	100	0.5	86	1	55	0.28	5	0	3	100	300	0.069	0.399	2.597	3	3
FhC	Flasher	100	0.5	86	1	55	0.17	2	6	9	50	200	0.475	1.659	1.711	3	3
FmE	Flasher	56	0.5	86	1	55	0.17	2	9	15	50	150	0.829	3.135	1.711	2	1
	Vebar	44	0.5	86	1	55	0.2	4	9	15	50	150	0.829	3.135	2.909	2	3
FrF	Flasher	45	0.5	86	1	55	0.17	2	15	50	50	150	1.810	21.829	1.711	1	1
	Vebar	35	0.5	86	1	55	0.2	4	15	50	50	150	1.810	21.829	2.909	2	1
	Sandstone	20	0.5	0	ERROR	55	0	0	15	50	50	150	1.810	21.829	ERROR	ERROR	ERROR
Fs	Flaxton fsl	100	0.5	86	1	55	0.2	5	0	3	50	200	0.060	0.353	3.636	3	3
FtB	Flaxton	50	0.5	134	1	55	0.2	5	0	6	50	200	0.060	0.951	3.636	3	3
	Livona	50	0.5	134	1	55	0.2	5	0	6	50	200	0.060	0.951	3.636	3	3
FvB	Flaxton	56	0.5	86	1	55	0.2	5	3	6	50	200	0.233	0.951	3.636	3	3
	Livona	44	0.5	86	1	55	0.2	5	3	6	50	200	0.233	0.951	3.636	3	3
GlA	Grail sl	100	0.5	48	3	55	0.32	5	0	3	100	300	0.069	0.399	2.273	3	3
GlB	Grail sl	100	0.5	48	3	55	0.32	5	3	6	100	250	0.287	1.063	2.273	3	3
GrA	Grail scl	100	0.5	38	3	55	0.32	5	0	3	100	300	0.069	0.399	2.273	3	3
GrB	Grail scl	100	0.5	38	3	55	0.32	5	3	6	100	250	0.287	1.063	2.273	3	3
Hh	Harriet	100	0.5	48	1	55	0.37	3	0	3	100	250	0.069	0.378	1.179	3	3
Hk	Harriet	50	0.5	48	1	55	0.37	3	0	3	100	250	0.069	0.378	1.179	3	3
	Regan	50	0.5	86	1	55	0.32	5	0	3	100	250	0.069	0.378	2.273	3	3
Hm	Havreton fsl	100	0.5	86	1	55	0.24	5	0	3	100	300	0.069	0.399	3.030	3	3
Hn	Havreton loam	100	0.5	86	1	55	0.32	5	0	3	100	300	0.069	0.399	2.273	3	3
Ho	Havreton loam	100	0.5	86	1	55	0.37	5	0	3	100	300	0.069	0.399	1.966	3	3

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		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
Hr	Havreton scl	100	0.5	86	1	55	0.32	5	0	3	100	300	0.069	0.399	2.273	3	3
Hs	Heil	100	0.5	38	3	55	0.28	3	0	3	100	300	0.069	0.399	1.558	3	3
La	Lallie scl	100	0.5	86	1	55	0.37	5	0	3	100	300	0.069	0.399	1.966	3	3
LeA	Lehr	100	0.5	56	1	55	0.28	3	0	3	50	200	0.060	0.353	1.558	3	3
LeB	Lehr	100	0.5	56	1	55	0.28	3	3	6	50	200	0.233	0.951	1.558	3	3
LeC	Lehr	100	0.5	56	1	55	0.28	3	6	9	50	150	0.475	1.436	1.558	3	3
LfA	Lihen lfs	100	0.5	134	1	55	0.17	5	0	3	50	200	0.060	0.353	4.278	3	3
Lg	Lihen lfs, csup	100	0.5	134	1	55	0.17	5	0	3	50	200	0.060	0.353	4.278	3	3
LnD	Lihen	34	0.5	86	1	55	0.17	5	9	15	50	150	0.829	3.135	4.278	3	3
	Livona	33	0.5	86	1	55	0.2	5	9	15	50	150	0.829	3.135	3.636	3	3
	Parshall	33	0.5	86	1	55	0.2	5	9	15	50	150	0.829	3.135	3.636	3	3
LkC	Lihen	34	0.5	86	1	55	0.17	5	6	9	50	200	0.475	1.659	4.278	3	3
	Parshall	33	0.5	86	1	55	0.2	5	6	9	50	200	0.475	1.659	3.636	3	3
	Telfer	33	0.5	86	1	55	0.24	5	6	9	50	200	0.475	1.659	3.030	3	3
LlB	Lihen	76	0.5	134	1	55	0.17	5	3	6	50	200	0.233	0.951	4.278	3	3
	Telfer	24	0.5	134	1	55	0.24	5	3	6	50	200	0.233	0.951	3.030	3	3
LmC	Lihen	73	0.5	134	1	55	0.17	5	6	9	50	200	0.475	1.659	4.278	3	3
	Telfer	27	0.5	134	1	55	0.17	5	6	9	50	200	0.475	1.659	4.278	3	3
LnD	Linton	61	0.5	56	3	55	0.32	5	9	12	50	175	0.829	2.386	2.273	2	3
	Mandan	39	0.5	56	3	55	0.32	5	9	12	50	175	0.829	2.386	2.273	2	3
LnE	Linton	61	0.5	56	3	55	0.32	5	12	35	50	150	1.275	12.519	2.273	2	1
	Mandan	39	0.5	56	3	55	0.32	5	12	35	50	150	1.275	12.519	2.273	2	1
LoC	Livona	53	0.5	134	1	55	0.2	5	6	9	50	200	0.475	1.659	3.636	3	3
	Flaxton	47	0.5	134	1	55	0.2	5	6	9	50	200	0.475	1.659	3.636	3	3
LrC	Livona	56	0.5	86	1	55	0.2	5	6	9	50	150	0.475	1.436	3.636	3	3
	Flaxton	44	0.5	86	1	55	0.2	5	6	9	50	150	0.475	1.436	3.636	3	3
LsD	Livona	50	0.5	134	1	55	0.2	5	9	15	50	150	0.829	3.135	3.636	3	3
	Lihen	50	0.5	134	1	55	0.17	5	9	15	50	150	0.829	3.135	4.278	3	3
LtF	Livona	34	0.5	86	1	55	0.2	5	15	50	50	100	1.810	17.823	3.636	2	1
	Lihen	33	0.5	86	1	55	0.17	5	15	50	50	100	1.810	17.823	4.278	2	1
	Flasher	33	0.5	86	1	55	0.17	2	15	50	50	100	1.810	17.823	1.711	1	1
LuD	Livona	67	0.5	86	1	55	0.2	5	9	15	50	100	0.829	2.559	3.636	3	3
	Williams	33	0.5	86	1	55	0.2	5	9	15	50	100	0.069	2.559	3.636	3	3
Lv	Lohler sil	100	0.5	86	1	55	0.28	5	0	3	100	250	0.069	0.378	2.597	3	3
Lw	Lohler sicl	100	0.5	86	1	55	0.28	5	0	3	100	250	0.069	0.378	2.597	3	3
Ly	Lohler sc	100	0.5	86	1	55	0.28	5	0	3	100	250	0.069	0.378	2.597	3	3
Ma	Magnus scl	100	0.5	38	3	55	0.28	5	0	3	100	300	0.069	0.399	2.597	3	3
MkA	Makoti scl	100	0.5	38	3	55	0.32	5	0	3	100	300	0.069	0.399	2.273	3	3
MlB	Makoti	65	0.5	38	3	55	0.32	5	3	6	100	200	0.287	0.951	2.273	3	3
	Williams	35	0.5	48	3	55	0.28	5	3	6	100	200	0.287	0.951	2.597	3	3
MnA	Mandan sl	100	0.5	56	3	55	0.32	5	0	3	100	250	0.069	0.378	2.273	3	3
MoB	Mandan	55	0.5	56	3	55	0.32	5	3	6	100	200	0.287	0.951	2.273	3	3
	Linton	45	0.5	56	3	55	0.32	5	3	6	100	200	0.287	0.951	2.273	3	3
MoC	Mandan	50	0.5	56	3	55	0.32	5	6	9	100	200	0.672	1.659	2.273	3	3
	Linton	50	0.5	56	3	55	0.32	5	6	9	100	200	0.672	1.659	2.273	3	3
MrA	Manning fsl	100	0.5	86	1	55	0.2	4	0	3	100	250	0.069	0.378	2.909	3	3
MrB	Manning fsl	100	0.5	86	1	55	0.2	4	3	6	100	250	0.287	1.063	2.909	3	3

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		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
MrC	Manning fsl	100	0.5	86	1	55	0.2	4	6	9	100	200	0.672	1.659	2.909	3	3
MsC	Max	60	0.5	48	3	55	0.28	5	6	9	50	150	0.475	1.436	2.597	3	3
	Zahl	40	0.5	86	1	55	0.28	5	6	9	50	150	0.475	1.436	2.597	3	3
Mt	Mine pits, dumps	100	0.5	0	ERROR	55	0	0	0	0	10	75	0.044	0.065	ERROR	ERROR	ERROR
Mu	Miranda	59	0.5	48	1	55	0.24	3	0	6	50	150	0.060	0.823	1.818	3	3
	Noonan	41	0.5	48	1	55	0.32	3	0	6	50	150	0.060	0.823	1.364	3	3
MvB	Morton sl	100	0.5	48	3	55	0.32	4	3	6	100	250	0.287	1.063	1.818	3	3
MvC	Morton sl	100	0.5	48	3	55	0.32	4	6	9	100	200	0.672	1.659	1.818	3	3
NbA	Niobell	57	0.5	48	1	55	0.32	3	0	3	50	150	0.060	0.324	1.364	3	3
	Noonan	43	0.5	48	1	55	0.32	3	0	3	50	150	0.060	0.324	1.364	3	3
NbB	Niobell	62	0.5	48	1	55	0.32	3	3	6	50	150	0.233	0.823	1.364	3	3
	Noonan	38	0.5	48	1	55	0.32	3	3	6	50	150	0.233	0.823	1.364	3	3
Pa	Parnell scl	100	0.5	38	3	55	0.28	5	0	3	100	400	0.069	0.435	2.597	3	3
PhA	Parshall fsl	100	0.5	86	1	55	0.2	5	0	3	100	300	0.069	0.399	3.636	3	3
PhB	Parshall fsl	100	0.5	86	1	55	0.2	5	3	6	100	300	0.287	1.164	3.636	3	3
Pk	Parshall fsl, csup	100	0.5	86	1	55	0.2	5	0	3	100	300	0.069	0.399	3.636	3	3
PlA	Parshall	50	0.5	86	1	55	0.2	5	0	3	50	300	0.060	0.399	3.636	3	3
	Lihen	50	0.5	86	1	55	0.2	5	0	3	50	300	0.060	0.399	3.636	3	3
PtB	Parshall	34	0.5	86	1	55	0.17	5	3	6	50	200	0.233	0.951	4.278	3	3
	Lihen	33	0.5	86	1	55	0.2	5	3	6	50	200	0.233	0.951	3.636	3	3
	Telfer	33	0.5	86	1	55	0.24	5	3	6	50	200	0.233	0.951	3.030	3	3
Rc	Regan scl	100	0.5	86	1	55	0.32	5	0	3	100	300	0.069	0.399	2.273	3	3
RgC	Regent scl	100	0.5	38	3	55	0.32	4	6	9	100	200	0.672	1.659	1.818	3	3
RhB	Regent	78	0.5	38	3	55	0.32	4	3	6	100	200	0.287	0.951	1.818	3	3
	Grail	22	0.5	38	3	55	0.32	5	3	6	100	200	0.287	0.951	2.273	3	3
Rm	Rhoades complex	100	0.5	48	1	55	0.32	3	0	3	50	100	0.060	0.287	1.364	3	3
Rn	Rhoades	69	0.5	48	1	55	0.32	3	3	9	50	150	0.233	1.436	1.364	2	3
	Daglum	31	0.5	48	1	55	0.32	3	3	9	50	150	0.233	1.436	1.364	2	3
Rv	Riverwash	100	0.5	0	ERROR	55	0	0	0	0	50	100	0.060	0.069	ERROR	ERROR	ERROR
RwA	Roseglen	53	0.5	48	3	55	0.32	5	0	3	100	250	0.069	0.378	2.273	3	3
	Tansem	47	0.5	48	3	55	0.28	5	0	3	100	250	0.069	0.378	2.597	3	3
SeA	Savage sl	100	0.5	48	3	55	0.43	5	0	3	100	300	0.069	0.399	1.691	3	3
SeB	Savage sl	100	0.5	48	3	55	0.43	5	3	6	100	250	0.287	1.063	1.691	3	3
SeC	Savage sl	100	0.5	48	3	55	0.43	5	6	9	100	250	0.672	1.854	1.691	2	3
SgA	Savage scl	100	0.5	38	3	55	0.37	5	0	3	100	300	0.069	0.399	1.966	3	3
SgB	Savage scl	100	0.5	38	3	55	0.37	5	3	6	100	250	0.287	1.063	1.966	3	3
SnB	Sen sl	100	0.5	48	3	55	0.32	4	3	6	100	250	0.287	1.069	1.818	3	3
SnC	Sen sl	100	0.5	48	3	55	0.32	4	6	9	100	250	0.672	1.854	1.818	2	3
SnD	Sen sl	100	0.5	48	3	55	0.32	4	9	12	50	200	0.829	2.551	1.818	2	3
St	Straw sl	100	0.5	48	3	55	0.32	5	0	3	50	250	0.060	0.378	2.273	3	3
Sv	Straw	34	0.5	56	3	55	0.32	5	0	3	50	150	0.060	0.324	2.273	3	3
	Arnegard	33	0.5	48	3	55	0.28	5	0	3	50	150	0.060	0.324	2.597	3	3
	Colvin	33	0.5	86	1	55	0.32	5	0	3	50	150	0.060	0.324	2.273	3	3
TaC	Tansem loam	100	0.5	48	3	55	0.28	5	6	9	100	200	0.672	1.659	2.597	3	3
TeA	Tansem	58	0.5	48	3	55	0.28	5	0	3	50	150	0.060	0.324	2.597	3	3
	Lehr	42	0.5	56	1	55	0.28	3	0	3	50	150	0.060	0.324	1.558	3	3
TgB	Tansem	60	0.5	48	3	55	0.28	5	3	6	50	150	0.233	0.823	2.597	3	3

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Map Symbol	Soil Name	%	Value	Value	Class	Value	Value	Value	Min	Max	Min	Max	Min	Max	8T/RK=	HEL Class	Class
	Roseglen	40	0.5	48	3	55	0.32	5	3	6	50	150	0.233	0.823	2.273	3	3
ThA	Telfer	50	0.5	134	1	55	0.17	5	0	3	50	100	0.060	0.287	4.278	3	3
	Lihen	50	0.5	134	1	55	0.17	5	0	3	50	100	0.060	0.287	4.278	3	3
TlD	Telfer	67	0.5	134	1	55	0.17	5	9	15	50	100	0.829	2.559	4.278	3	3
	Lihen	33	0.5	134	1	55	0.17	5	9	15	50	100	0.829	2.559	4.278	3	3
Tm	Telfer	70	0.5	134	1	55	0.17	5	3	25	25	100	0.189	5.890	4.278	2	3
	Seroco	30	0.5	134	1	55	0.15	5	3	25	25	100	0.189	5.890	4.848	2	3
TnA	Temvik sl	100	0.5	48	3	55	0.32	5	0	3	100	250	0.069	0.378	2.273	3	3
TnB	Temvik sl	100	0.5	48	3	55	0.32	5	3	6	100	250	0.287	1.063	2.273	3	3
TnC	Temvik sl	100	0.5	48	3	55	0.32	5	6	9	100	200	0.672	1.659	2.273	3	3
To	Tiffany loam	100	0.5	56	3	55	0.2	5	0	3	100	300	0.069	0.399	3.636	3	3
Tp	Tonka	50	0.5	48	3	55	0.32	5	0	3	100	250	0.069	0.378	2.273	3	3
	Parnell scl	50	0.5	48	3	55	0.28	5	0	3	100	250	0.069	0.378	2.597	3	3
VbB	Vebar fsl	100	0.5	86	1	55	0.2	4	3	6	100	300	0.287	1.164	2.909	3	3
VbC	Vebar fsl	100	0.5	86	1	55	0.2	4	6	9	50	200	0.475	1.659	2.909	3	3
WaB	Wabek soils	100	0.5	56	1	55	0.28	2	0	6	100	300	0.069	1.164	1.039	2	3
WaD	Wabek soils	100	0.5	56	1	55	0.28	2	6	30	100	250	0.672	12.574	1.039	2	1
WcF	Werner complex	100	0.5	48	1	55	0.28	2	15	30	50	150	1.810	9.740	1.039	1	1
WeE	Werner	50	0.5	48	1	55	0.28	2	9	15	50	150	0.829	3.135	1.039	2	1
	Morton	6	0.5	48	3	55	0.32	4	9	15	50	150	0.829	3.135	1.818	2	1
	Sen	44	0.5	48	3	55	0.32	4	9	15	50	150	0.829	3.135	1.818	2	1
WlC	Werner	50	0.5	48	1	55	0.28	2	6	9	50	200	0.475	1.659	1.039	2	1
	Sen	50	0.5	48	3	55	0.32	4	6	9	50	200	0.475	1.659	1.818	3	3
Wn	Werner-Shale outcrop	100	0.5	48	1	55	0.32	2	15	50	50	100	1.810	17.823	0.909	1	1
WoC	Williams stony loam	100	0.5	0	3	55	0.2	5	3	9	50	150	0.233	1.435	0.636	3	3
WsA	Williams loam	100	0.5	48	3	55	0.28	5	0	3	50	200	0.060	0.353	2.597	3	3
WsB	Williams loam	100	0.5	48	3	55	0.28	5	3	6	50	200	0.233	0.951	2.597	3	3
WsC	Williams loam	100	0.5	48	3	55	0.28	5	6	9	50	150	0.475	1.436	2.597	3	3
WsD	Williams loam	100	0.5	48	3	55	0.28	5	9	12	50	150	0.829	2.209	2.597	3	3
WzE	Williams	57	0.5	48	3	55	0.28	5	9	12	50	100	0.829	1.804	2.597	3	3
	Zahl	43	0.5	86	1	55	0.28	5	9	12	50	100	0.829	1.804	2.597	3	3
WzF	Williams	58	0.5	48	3	55	0.28	5	12	35	50	100	1.275	10.222	2.597	2	1