

Stark
North Dakota

Revised 7/15/87

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		
ArA	Amegard	100	0.60	48	3	45	0.28	5	1		3	50	700	0.105	0.514	3.175	3	3
ArB	Amegard	100	0.60	48	3	45	0.28	5	3		5	50	500	0.233	1.196	3.175	3	3
BaB	Bainville	55	0.60	86	1	45	0.37	2	3		6	50	300	0.233	1.164	0.951	2	3
	Midway	45	0.60	86	1	45	0.32	2	3		6	50	250	0.233	1.063	1.111	3	3
BaD	Bainville	50	0.60	86	1	45	0.37	2	9		40	50	200	0.829	17.893	0.961	2	1
	Midway	50	0.60	86	1	45	0.32	2	9		40	50	200	0.829	17.893	1.111	2	1
Bd	Bainville	60	0.60	86	1	45	0.37	2	15		35	50	200	1.810	14.456	0.961	1	1
	Rhoades	40	0.60	86	1	45	0.32	2	15		35	50	200	1.810	14.456	1.111	1	1
BeD	Bainville	65	0.60	86	1	45	0.37	2	9		15	100	300	1.173	4.433	0.961	1	1
	Rhoades	35	0.60	48	1	45	0.32	3	9		15	100	300	1.173	4.433	1.111	2	1
Bf	Bainville	30	0.60	86	1	45	0.37	2	15		35	50	200	1.810	14.456	0.961	1	1
	Shale	20	0.60	86	1	45	0.37	2	15		35	50	200	1.810	14.456	1.667	1	1
	Outcrop	30	0.60	56	1	45	0.37	2	15		35	50	200	1.810	14.456	0.961	1	1
Bg	Banks	60	0.60	134	1	45	0.17	5	2		6	50	200	0.163	0.951	0.961	3	3
	Glendive	40	0.60	86	1	45	0.20	5	2		6	50	200	0.163	0.951	0.961	3	3
Bk	Beckton	100	0.60	86	1	45	0.32	3	2		8	50	200	0.163	1.402	5.229	3	3
BoA	Belfield	65	0.60	48	1	45	0.32	3	1		3	50	700	0.105	0.514	4.444	3	3
	Rhoades	35	0.60	48	1	45	0.32	3	1		3	50	200	0.105	0.353	1.667	3	3
BoB	Belfield	65	0.60	48	1	45	0.32	3	3		6	50	450	0.233	1.426	1.667	3	3
	Rhoades	35	0.60	48	1	45	0.32	3	3		6	50	200	0.233	0.951	1.667	3	3
BrA	Belfield	60	0.60	38	3	45	0.32	3	1		3	50	400	0.105	0.435	1.667	3	3
	Rhoades	40	0.60	38	3	45	0.32	3	1		3	50	200	0.105	0.353	1.667	3	3
BrB	Belfield	60	0.60	38	3	45	0.32	3	3		6	50	400	0.233	1.344	1.667	3	3
	Rhoades	40	0.60	38	3	45	0.32	3	3		6	50	200	0.233	0.951	1.667	3	3
CbC	Chama	55	0.60	86	1	45	0.32	4	4		9	100	400	0.400	2.346	2.222	2	3
	Bainville	45	0.60	86	1	45	0.37	2	4		9	25	200	0.230	1.659	0.961	2	3
CbD	Chama	60	0.60	86	1	45	0.32	4	9		15	100	400	1.173	5.119	2.222	2	1
	Bainville	40	0.60	86	1	45	0.37	2	9		15	25	200	0.586	3.620	0.961	2	1
ChB	Cherry	100	0.60	38	3	45	0.37	5	2		6	50	700	0.163	1.778	2.402	3	3
ChC	Cherry	100	0.60	38	3	45	0.37	5	6		9	50	300	0.475	2.031	2.402	3	3
Co	Colvin	100	0.60	86	1	45	0.32	5	1		3	50	200	0.105	0.353	2.778	3	3
Dk	Dimmick	100	0.60	86	1	45	0.28	5	1		2	25	100	0.085	0.201	3.175	3	3
Es	Eroded	100	0.60	134	1	45	0.15	4	1		9	50	200	0.105	1.659	2.370	3	3
FaB	Farland	100	0.60	48	3	45	0.32	5	3		6	50	400	0.233	1.344	2.778	3	3
FaC	Farland	100	0.60	48	3	45	0.32	5	6		9	50	300	0.475	2.031	2.778	3	3
FgA	Farland	70	0.60	48	3	45	0.32	5	1		3	50	700	0.105	0.514	2.778	3	3
	Amegard	15	0.60	48	3	45	0.28	5	1		3	50	700	0.105	0.514	3.175	3	3
	Grail	15	0.60	48	3	45	0.32	5	1		3	50	700	0.105	0.514	2.778	3	3
FIC	Flasher	100	0.60	86	1	45	0.24	2	6		9	25	200	0.336	1.659	1.481	2	3
Fm	Flasher	100	0.60	86	1	45	0.24	2	9		15	50	300	0.829	4.433	1.481	2	1
Fr	Flasher	100	0.60	86	1	45	0.17	2	15		40	25	200	1.280	17.893	2.092	2	1
Ga	Gallatin	100	0.60	38	3	45	0.28	5	1		2	50	300	0.105	0.279	3.175	3	3
Gf	Glendive	100	0.60	86	1	45	0.20	5	1		3	50	200	0.105	0.353	4.444	3	3
GrA	Grail	100	0.60	38	3	45	0.32	5	1		3	50	700	0.105	0.514	2.778	3	3
GrB	Grail	100	0.60	38	3	45	0.32	5	3		6	50	500	0.233	1.503	2.778	3	3
GrC	Grail	100	0.60	38	3	45	0.32	5	6		9	50	400	0.475	2.346	2.778	3	3
Gs	Grail	100	0.60	38	3	45	0.32	5	1		5	50	500	0.105	1.196	2.778	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	Slope- -Length	LS- -Value	Water	Water HEL Class	HEL Class			
GtA	Grail	35	0.60	38	3	45	0.32	5	1	3	50	700	0.105	0.514	2.778	3	3
	Rhoades	25	0.60	38	3	45	0.32	3	1	3	50	200	0.105	0.353	1.667	3	3
GtB	Grail	40	0.60	38	3	45	0.32	5	3	6	50	500	0.233	1.503	2.778	3	3
	Rhoades	25	0.60	38	3	45	0.32	3	3	6	50	100	0.233	0.672	1.667	3	3
Gv	Gravelly	100	0.60	56	1	45	0.28	2	3	30	25	100	0.189	7.953	1.270	2	1
Ha	Havre	100	0.60	86	1	45	0.37	5	1	3	25	100	0.085	0.287	2.402	3	3
He	Havre	100	0.60	86	1	45	0.32	5	1	3	25	100	0.085	0.287	2.778	3	3
Ho	Hoven	100	0.60	86	1	45	0.28	3	1	2	25	100	0.085	0.201	1.905	3	3
LeB	Lefor	100	0.60	86	1	45	0.20	4	2	6	100	300	0.201	1.164	3.556	3	3
LeB2	Lefor	100	0.60	86	1	45	0.20	4	2	6	100	300	0.201	1.164	3.556	3	3
LeC	Lefor	100	0.60	86	1	45	0.20	4	6	12	50	200	0.475	2.551	3.556	3	3
LeC2	Lefor	100	0.60	86	1	45	0.20	4	6	12	50	200	0.475	2.551	3.556	3	3
LfB	Lihen	100	0.60	134	1	45	0.17	5	2	6	50	300	0.163	1.164	5.229	3	3
LIC	Lihen	70	0.60	134	1	45	0.17	5	6	15	50	300	0.475	4.433	5.229	3	3
	Flasher	30	0.60	134	1	45	0.17	2	6	15	25	100	0.336	2.559	2.092	2	3
LnA	Little Horn	80	0.60	48	3	45	0.28	4	1	3	100	400	0.129	0.435	2.540	3	3
	Duncom	20	0.60	86	3	45	0.37	2	1	3	100	400	0.129	0.435	0.961	3	3
LnB	Little Horn	80	0.60	48	3	45	0.28	4	3	6	100	400	0.287	1.344	2.540	3	3
	Duncom	20	0.60	86	3	45	0.37	2	3	6	100	400	0.287	1.344	0.961	2	3
MaA	Manning	100	0.60	56	1	45	0.28	4	1	3	50	200	0.105	0.353	2.540	3	3
McA	Manning	100	0.60	86	1	45	0.20	4	1	3	50	200	0.105	0.353	3.556	3	3
McB	Manning	100	0.60	86	1	45	0.20	4	3	6	50	200	0.233	0.951	3.556	3	3
McC	Manning	100	0.60	86	1	45	0.20	4	6	9	50	200	0.475	1.659	3.556	3	3
Md	Mine	100	0.60	86	1	45	0.37	2	6	15	50	100	0.475	2.559	0.961	2	1
MeA	Moreau	100	0.60	86	1	45	0.32	4	1	3	50	500	0.105	0.465	2.222	3	3
MeB	Moreau	100	0.60	86	1	45	0.33	4	3	6	50	500	0.233	1.503	2.155	3	3
MeC	Moreau	100	0.60	86	1	45	0.32	4	6	9	50	300	0.475	2.031	2.222	3	3
Mf	Moreau	100	0.60	86	1	45	0.32	4	4	9	50	300	0.303	2.031	2.222	3	3
MgD	Moreau	65	0.60	86	1	45	0.32	4	9	15	50	300	0.829	4.433	2.222	2	1
	Midway	35	0.60	86	1	45	0.32	2	9	15	50	300	0.829	4.433	1.111	2	1
Mh	Moreau	40	0.60	86	1	45	0.32	4	6	15	50	300	0.475	4.433	2.222	2	1
	Midway	30	0.60	86	1	45	0.32	2	6	15	50	300	0.475	4.433	1.111	2	1
	Rock Outcrop	30	0.60	56	1	45	0.37	2	6	15	50	300	0.475	4.433	0.961	2	1
Mk	Moreau	75	0.60	86	1	45	0.32	4	2	6	50	500	0.163	1.503	2.222	3	3
	Rock Outcrop	25	0.60	56	1	45	0.37	2	2	6	50	500	0.163	1.503	0.961	2	3
Mm	Morton	100	0.60	0	3	45	0.32	4	3	9	50	250	0.233	1.854	2.222	3	3
MnD	Morton	65	0.60	48	1	45	0.32	4	9	10	100	300	1.173	2.371	2.222	2	3
	Bainville	35	0.60	86	1	45	0.37	2	9	15	100	300	1.173	4.433	0.961	1	3
MoC	Morton	65	0.60	48	1	45	0.32	4	6	9	50	250	0.475	1.854	2.222	3	3
	Chama	35	0.60	86	1	45	0.32	4	6	9	50	250	0.475	1.854	2.222	3	3
MpC	Morton	65	0.60	48	1	45	0.32	4	6	9	50	250	0.475	1.854	2.222	3	3
	Chama	35	0.60	86	1	45	0.32	4	6	9	50	250	0.475	1.854	2.222	3	3
MpC2	Morton	65	0.60	48	1	45	0.32	4	6	9	100	300	0.672	2.031	2.222	3	3
	Chama	35	0.60	86	1	45	0.32	4	6	9	100	300	0.672	2.031	2.222	3	3
MrA	Morton	50	0.60	48	3	45	0.32	4	1	3	100	400	0.129	0.435	2.222	3	3
	Farland	50	0.60	48	3	45	0.32	5	1	3	100	400	0.129	0.435	2.778	3	3
MrB	Morton	50	0.60	48	3	45	0.32	4	3	6	100	400	0.287	1.344	2.222	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 Class	HEL Class	
									Min	Max	Min	Max	Min	Max	8T/RK=		
Farland		50	0.60	48	3	45	0.32	5	3	6	100	400	0.287	1.344	2.778	3	3
MsA Morton		50	0.60	48	3	45	0.32	4	1	3	100	400	0.129	0.435	2.222	3	3
Farland		50	0.60	48	3	45	0.32	5	1	3	100	400	0.129	0.435	2.778	3	3
MsB Morton		50	0.60	48	3	45	0.32	4	3	6	100	400	0.287	1.344	2.222	3	3
Farland		50	0.60	48	3	45	0.32	5	3	6	100	400	0.287	1.344	2.778	3	3
MtA Morton		65	0.60	48	1	45	0.32	4	1	3	100	400	0.129	0.435	2.222	3	3
Rhoades		35	0.60	48	1	45	0.32	3	1	3	50	100	0.105	0.287	1.667	3	3
MtB Morton		65	0.60	48	1	45	0.32	4	3	6	100	400	0.287	1.344	2.222	3	3
Rhoades		35	0.60	48	1	45	0.32	3	3	6	50	100	0.233	0.672	1.667	3	3
MtC Morton		85	0.60	48	1	45	0.32	4	6	9	50	250	0.475	1.854	2.222	3	3
Rhoades		15	0.60	48	1	45	0.32	3	6	9	25	100	0.336	1.173	1.667	3	3
MtC2 Morton		85	0.60	48	1	45	0.32	4	6	9	50	300	0.475	2.031	2.222	3	3
Rhoades		15	0.60	48	1	45	0.32	3	6	9	25	100	0.336	1.173	1.667	3	3
PaA Parshall		100	0.60	86	1	45	0.20	5	1	3	50	300	0.105	0.399	4.444	3	3
PrA Promise		100	0.60	86	1	45	0.32	5	1	3	50	700	0.105	0.514	2.778	3	3
PrB Promise		100	0.60	86	1	45	0.32	5	3	6	50	700	0.233	1.778	2.778	3	3
ReA Regent		100	0.60	38	3	45	0.32	4	1	3	50	500	0.105	0.465	2.222	3	3
ReB Regent		100	0.60	38	3	45	0.32	4	3	6	50	500	0.233	1.503	2.222	3	3
RgA Regent		55	0.60	38	1	45	0.32	4	1	3	50	500	0.105	0.465	2.222	3	3
Moreau		45	0.60	86	1	45	0.32	4	1	3	50	500	0.105	0.465	2.222	3	3
RgB Regent		55	0.60	38	1	45	0.32	4	3	6	50	500	0.233	1.503	2.222	3	3
Moreau		45	0.60	86	1	45	0.32	4	3	6	50	500	0.233	1.503	2.222	3	3
RgC Regent		60	0.60	38	1	45	0.32	4	6	9	50	250	0.475	1.854	2.222	3	3
Moreau		40	0.60	86	1	45	0.32	4	6	9	50	300	0.475	2.031	2.222	3	3
RsA Rhoades		65	0.60	48	1	45	0.32	3	1	3	25	100	0.085	0.287	1.667	3	3
Belfield		35	0.60	48	1	45	0.32	3	1	3	50	700	0.105	0.514	1.667	3	3
RsB Rhoades		65	0.60	48	1	45	0.32	3	3	6	25	100	0.189	0.672	1.667	3	3
Belfield		35	0.60	48	1	45	0.32	3	3	6	50	400	0.233	1.344	1.667	3	3
Sa Saline Alluvial		100	0.60	48	1	45	0.37	3	1	3	50	200	0.105	0.353	1.441	3	3
Sg Savage		100	0.60	38	3	45	0.37	5	1	3	50	700	0.105	0.514	2.402	3	3
ShA Savage		65	0.60	38	3	45	0.37	5	1	3	50	700	0.105	0.514	2.402	3	3
Rhoades		35	0.60	38	3	45	0.32	3	1	3	50	200	0.105	0.353	1.667	3	3
Sm Searing		100	0.60	48	3	45	0.28	4	3	6	50	400	0.233	1.344	2.540	3	3
So Shale Outcrop		50	0.60	86	1	45	0.37	2	10	50	50	200	0.968	25.206	0.961	1	1
Bainville		50	0.60	86	1	45	0.37	2	10	50	50	200	0.968	25.206	0.961	1	1
Sp Shale Outcrop		100	0.60	86	1	45	0.37	2	10	50	50	200	0.968	25.206	0.961	1	1
StA Straw		100	0.60	56	3	45	0.32	5	1	3	50	300	0.105	0.399	2.778	3	3
Sv Straw		55	0.60	56	1	45	0.32	5	1	2	25	150	0.085	0.227	2.778	3	3
Havre		45	0.60	86	1	45	0.37	5	1	2	25	150	0.085	0.227	2.402	3	3
VaE Valentine		100	0.60	220	1	45	0.15	5	3	20	25	100	0.189	4.078	5.926	3	3
VfD Vebar		60	0.60	86	1	45	0.20	4	9	12	50	300	0.829	3.124	3.556	3	3
Flasher		40	0.60	86	1	45	0.20	2	9	12	50	200	0.829	2.551	2.667	3	3
VmC Vebar		55	0.60	86	1	45	0.20	4	6	9	50	300	0.475	2.031	3.556	3	3
Manning		45	0.60	86	1	45	0.20	4	6	9	50	200	0.475	1.659	3.556	3	3
VpB Vebar		60	0.60	86	1	45	0.20	4	3	6	50	300	0.233	1.164	3.556	3	3
Parshall		40	0.60	86	1	45	0.20	5	3	6	50	300	0.233	1.164	4.444	3	3
VpC Vebar		50	0.60	86	1	45	0.20	4	6	9	50	300	0.475	2.031	3.556	3	3

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	Parshall	50	0.60	86	1	45	0.20	5	6	9	50	300	0.475	2.031	4.444	3	3
Wa	Wet Alluvial	100	0.60	0	1	45	0.32	5	1	2	50	200	0.105	0.247	2.778	3	3
Wb	Wibaux	100	0.60	56	1	45	0.17	2	4	20	25	100	0.230	4.078	1.046	2	1