

Richland and Sheyenne National Grassland Area of Ransom County
North Dakota

6-1-1987

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	HEL Class	
									Min	Max	Min	Max	Min	Max	8T/RK=		
Af	Aastad	65	0.35	48	3	85	0.24	5	0	3	0	400	0.000	0.435	1.961	3	3
	Forman	35	0.35	48	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
Ag	Aberdeen	100	0.35	86	1	85	0.32	3	0	1	0	500	0.000	0.209	0.882	3	3
Ah	Aberdeen	100	0.35	48	3	85	0.32	3	0	1	0	500	0.000	0.209	0.882	3	3
Ak	Aberdeen	55	0.35	38	3	85	0.32	3	0	1	0	500	0.000	0.209	0.882	3	3
	Galchutt	45	0.35	38	3	85	0.32	4	0	1	0	500	0.000	0.209	1.176	3	3
Ao	Aberdeen	75	0.35	38	3	85	0.32	3	0	1	0	500	0.000	0.209	0.882	3	3
	Ryan	25	0.35	38	3	85	0.28	3	0	1	0	500	0.000	0.209	1.008	3	3
Ar	Antler	100	0.35	86	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
As	Antler	65	0.35	86	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
	Tonka	35	0.35	38	3	85	0.32	5	0	3	0	400	0.000	0.435	1.471	3	3
At	Arveson	65	0.35	86	3	85	0.17	4	0	1	0	500	0.000	0.209	2.215	3	3
	Fossum	35	0.35	86	3	85	0.2	5	0	1	0	500	0.000	0.209	2.353	3	3
Au	Arveson	50	0.35	86	3	85	0.24	4	0	1	0	500	0.000	0.209	1.569	3	3
	Fossum	50	0.35	86	3	85	0.24	5	0	1	0	500	0.000	0.209	1.961	3	3
Av	Arveson	50	0.35	86	3	85	0.24	4	0	1	0	500	0.000	0.209	1.569	3	3
	Fossum	50	0.35	86	3	85	0.24	5	0	1	0	500	0.000	0.209	1.961	3	3
Aw	Arvilla	100	0.35	86	1	85	0.2	3	0	6	0	300	0.000	1.164	1.412	3	3
BbD	Barnes	65	0.35	48	3	85	0.28	5	9	12	70	150	0.981	2.209	1.681	2	3
	Buse	35	0.35	86	3	85	0.28	5	9	12	70	150	0.981	2.209	1.681	2	3
BbD2	Barnes	60	0.35	48	3	85	0.28	5	9	12	70	150	0.981	2.209	1.681	2	3
	Buse	40	0.35	86	3	85	0.28	5	9	12	70	150	0.981	2.209	1.681	2	3
BcD	Barnes	40	0.35	48	3	85	0.28	5	12	20	80	150	1.613	4.995	1.681	2	1
	Buse	35	0.35	86	3	85	0.28	5	12	20	80	150	1.613	4.995	1.681	2	1
	Langhei	25	0.35	86	3	85	0.32	5	12	20	80	150	1.613	4.995	1.471	1	1
BdB	Barnes	55	0.35	48	3	85	0.28	5	3	6	70	300	0.258	1.164	1.681	3	3
	Svea	45	0.35	48	3	85	0.28	5	3	6	70	300	0.258	1.164	1.681	3	3
Bf	Bearden	100	0.35	86	3	85	0.28	5	0	1	0	500	0.000	0.209	1.681	3	3
Bg	Bearden	50	0.35	86	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
	Glyndon	50	0.35	86	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
Bo	Borup	100	0.35	86	3	85	0.28	5	0	1	0	500	0.000	0.209	1.681	3	3
Br	borup	100	0.35	86	3	85	0.28	5	0	1	0	500	0.000	0.209	1.681	3	3
Ca	Cashel	100	0.35	86	3	85	0.32	5	0	3	0	400	0.000	0.435	1.471	3	3
Co	Colvin	100	0.35	86	3	85	0.32	5	0	1	0	500	0.000	0.209	1.471	3	3
DkB	Dickey	60	0.35	86	3	85	0.17	5	3	6	70	300	0.258	1.164	2.768	3	3
	Towner	40	0.35	86	3	85	0.2	5	3	6	70	300	0.258	1.164	2.353	3	3
Do	Doran	100	0.35	48	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
Dp	Doran	70	0.35	48	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
	Perella	30	0.35	48	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
Dt	Doran	70	0.35	38	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
	Tonka	30	0.35	38	3	85	0.32	5	0	3	0	400	0.000	0.435	1.471	3	3
Dv	Dovray	100	0.35	86	3	85	0.28	5	0	1	0	500	0.000	0.209	1.681	3	3
EeC	Eckman	60	0.35	56	3	85	0.28	5	6	9	150	250	0.823	1.854	1.681	2	3
	Zell	40	0.35	86	3	85	0.32	5	6	9	150	250	0.823	1.854	1.471	2	3
EmB	Egeland	50	0.35	86	3	85	0.2	5	3	6	70	300	0.258	1.164	2.353	3	3
	Maddock	50	0.35	86	3	85	0.17	5	3	6	70	300	0.258	1.164	2.768	3	3

Highly Erodible Land Classes

- 1= Highly Erodible Land
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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=	Water HEL Class	HEL Class	
En	Embden Tiffany	70	0.35	86	3	85	0.2	5	0	3	0	400	0.000	0.435	2.353	3	3
Et	Embden Tiffany	30	0.35	86	3	85	0.2	5	0	3	0	400	0.000	0.435	2.353	3	3
Ey	Exline Ryan	70	0.35	56	3	85	0.2	5	0	3	0	400	0.000	0.435	2.353	3	3
Fa	Fairdale	30	0.35	56	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
Fb	Fairdale	50	0.35	48	3	85	0.28	3	0	3	0	400	0.000	0.435	1.008	3	3
Fd	Fairdale	50	0.35	38	3	85	0.28	3	0	3	0	400	0.000	0.435	1.008	3	3
Fe	Fairdale	100	0.35	48	3	85	0.32	5	0	3	0	400	0.000	0.435	1.471	3	3
Ff	Fairdale	100	0.35	48	3	85	0.32	5	3	6	70	300	0.258	1.164	1.471	3	3
Fg	Fairdale	100	0.35	38	3	85	0.32	5	0	3	0	400	0.000	0.435	1.471	3	3
Fh	Fairdale	100	0.35	38	3	85	0.32	5	0	3	0	400	0.000	0.435	1.471	3	3
Fi	Fairdale	100	0.35	38	3	85	0.32	5	0	3	0	400	0.000	0.435	1.471	3	3
Fj	Fairdale	100	0.35	86	3	85	0.32	5	0	3	0	400	0.000	0.435	1.471	3	3
Fk	Fairdale	100	0.35	86	3	85	0.32	5	0	1	0	500	0.000	0.209	1.471	3	3
Fm	Fairdale	65	0.35	38	3	85	0.32	5	0	1	0	500	0.000	0.209	1.471	3	3
Fn	Fairdale	35	0.35	38	3	85	0.32	5	0	1	0	500	0.000	0.209	1.471	3	3
Fo	Fairdale	70	0.35	86	3	85	0.32	5	0	3	0	400	0.000	0.435	1.471	3	3
Fp	Fairdale	30	0.35	38	3	85	0.32	5	0	3	0	400	0.000	0.435	1.471	3	3
Fq	Fairdale	60	0.35	86	3	85	0.32	5	0	3	0	400	0.000	0.435	1.471	3	3
Fr	Fairdale	40	0.35	86	3	85	0.32	5	0	3	0	400	0.000	0.435	1.471	3	3
Fs	Fairdale	60	0.35	86	3	85	0.32	5	0	3	0	400	0.000	0.435	1.471	3	3
Ft	Fairdale	40	0.35	86	3	85	0.32	5	0	3	0	400	0.000	0.435	1.471	3	3
Fu	Fairdale	70	0.35	86	3	85	0.32	5	0	1	0	500	0.000	0.209	1.471	3	3
Fv	Fairdale	30	0.35	38	3	85	0.28	3	0	1	0	500	0.000	0.209	1.008	3	3
Fw	Fairdale	77	0.35	86	3	85	0.32	5	0	1	0	500	0.000	0.209	1.471	3	3
Fx	Fairdale	23	0.35	86	1	85	0.28	3	0	1	0	500	0.000	0.209	1.008	3	3
Fy	Fairdale	75	0.35	48	3	85	0.24	4	0	6	0	300	0.000	1.164	1.569	3	3
Fz	Fairdale	25	0.35	48	3	85	0.28	3	0	6	0	300	0.000	1.164	1.008	2	3
Ga	Forman Aastad	57	0.35	48	3	85	0.28	5	3	6	70	300	0.258	1.164	1.681	3	3
Gb	Forman Aastad	43	0.35	48	3	85	0.24	5	3	6	70	300	0.258	1.164	1.961	3	3
Gc	Forman Aastad	65	0.35	48	3	85	0.28	5	3	6	70	300	0.258	1.164	1.681	3	3
Gd	Forman Aastad	35	0.35	48	3	85	0.24	5	3	6	70	300	0.258	1.164	1.961	3	3
Ge	Forman Buse	70	0.35	48	3	85	0.28	5	6	9	150	250	0.823	1.854	1.681	2	3
Gf	Forman Buse	30	0.35	86	3	85	0.28	5	6	9	150	250	0.823	1.854	1.681	2	3
Gg	Forman Buse	70	0.35	48	3	85	0.28	5	6	9	150	250	0.823	1.854	1.681	2	3
Gh	Forman Buse	30	0.35	86	3	85	0.28	5	6	9	150	250	0.823	1.854	1.681	2	3
Gi	Forman Buse	70	0.35	48	3	85	0.28	5	3	6	70	300	0.258	1.164	1.681	3	3
Gj	Forman Buse	40	0.35	48	3	85	0.28	5	3	6	70	300	0.258	1.164	1.681	3	3
Gk	Forman Buse	100	0.35	86	3	85	0.2	5	0	1	0	500	0.000	0.209	2.353	3	3
Gl	Forman Buse	100	0.35	48	3	85	0.32	4	0	1	0	500	0.000	0.209	1.176	3	3
Gm	Forman Buse	50	0.35	48	3	85	0.32	4	0	1	0	500	0.000	0.209	1.176	3	3
Gn	Forman Buse	30	0.35	38	3	85	0.32	5	0	1	0	500	0.000	0.209	1.471	3	3
Go	Forman Buse	20	0.35	38	3	85	0.32	5	0	1	0	50	0.000	0.209	1.471	3	3
Gp	Forman Buse	70	0.35	48	3	85	0.32	4	0	3	0	400	0.000	0.435	1.176	3	3
Gq	Forman Buse	30	0.35	48	3	85	0.32	5	0	3	0	400	0.000	0.435	1.471	3	3
Gr	Forman Buse	100	0.35	56	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3

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Map Symbol	Soil Name	WIND EROSION							WATER EROSION						Revised Water		
		%	C	I	HEL	R	K	T	Slope- -Percent		Slope- -Length		LS- -Value		Water	HEL	
			Value	Value	Class	Value	Value	Value	Min	Max	Min	Max	Min	Max	8T/RK=	Class	Class
GfB	Gardena	65	0.35	56	3	85	0.28	5	3	6	70	300	0.258	1.164	1.681	3	3
	Eckman	35	0.35	56	3	85	0.28	5	3	6	70	300	0.258	1.164	1.681	3	3
Gh	Gardena	50	0.35	56	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
	Embden	50	0.35	56	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
Gk	Gilby	100	0.35	86	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
Gm	Gilby	100	0.35	86	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
Gn	Gilby	50	0.35	86	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
	Hamerly	50	0.35	86	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
Go	Glyndon	100	0.35	86	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
Gr	Glyndon	75	0.35	86	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
	Tiffany	25	0.35	56	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
Gt	Glyndon	65	0.35	86	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
	Tiffany	35	0.35	56	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
Gu	Glyndon	50	0.35	86	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
	Wyndmere	50	0.35	86	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
Gw	Grano	100	0.35	86	3	85	0.28	5	0	1	0	500	0.000	0.209	1.681	3	3
Ha	Hamar	100	0.35	134	1	85	0.17	5	0	1	0	500	0.000	0.209	2.768	3	3
Hb	Hamar	100	0.35	134	1	85	0.17	5	0	1	0	500	0.000	0.209	2.768	3	3
Hc	Hamar	100	0.35	86	3	85	0.2	5	0	1	0	500	0.000	0.209	2.353	3	3
He	Hamar	100	0.35	86	3	85	0.2	5	0	1	0	500	0.000	0.209	2.353	3	3
Hf	Hamar	65	0.35	134	1	85	0.17	5	0	3	0	400	0.000	0.435	2.768	3	3
	Ulen	35	0.35	134	1	85	0.17	4	0	3	0	400	0.000	0.435	2.215	3	3
Hg	Hamar	65	0.35	86	3	85	0.2	5	0	3	0	400	0.000	0.435	2.353	3	3
	Ulen	35	0.35	86	3	85	0.17	4	0	3	0	400	0.000	0.435	2.215	3	3
Hh	Hamerly	100	0.35	86	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
Hk	Hecla	100	0.35	134	1	85	0.17	5	0	3	0	400	0.000	0.435	2.768	3	3
Hm	Hecla	75	0.35	134	1	85	0.17	5	0	3	0	400	0.000	0.435	2.768	3	3
	Hamar	25	0.35	134	1	85	0.17	5	0	3	0	400	0.000	0.435	2.768	3	3
Hm3	Hecla	80	0.35	134	1	85	0.17	5	0	3	0	400	0.000	0.435	2.768	3	3
	Hamar	20	0.35	134	1	85	0.17	5	0	3	0	400	0.000	0.435	2.768	3	3
Hn	Hecla	75	0.35	86	3	85	0.2	5	0	3	0	400	0.000	0.435	2.353	3	3
	Hamar	25	0.35	86	3	85	0.2	5	0	3	0	400	0.000	0.435	2.353	3	3
Ho	Hecla	60	0.35	134	1	85	0.17	5	0	3	0	400	0.000	0.435	2.768	3	3
	hamar	20	0.35	134	1	85	0.17	5	0	3	0	400	0.000	0.435	2.768	3	3
	Arveson	20	0.35	86	3	85	0.2	4	0	3	0	400	0.000	0.435	1.882	3	3
Hr	Hecla	70	0.35	134	1	85	0.17	5	0	3	0	400	0.000	0.435	2.768	3	3
	Maddock	30	0.35	134	1	85	0.17	5	0	3	0	400	0.000	0.435	2.768	3	3
Hs	Hecla fsl	55	35	86	3	75	0.20	5	1	3	50	400	0.105	0.435	2.667	3	3
	Maddock fsl	35	35	86	3	75	0.20	5	3	6	70	300	0.258	1.164	2.667	3	3
	Fossum fsl	7	35	86	3	75	0.20	5	0	1	0	500	0.000	0.209	2.667	3	3
	Arvilla sl	3	35	86	1	75	0.20	3	3	6	70	300	0.258	1.164	1.600	3	3
Kr	Kratka	100	0.35	86	3	85	0.17	5	0	1	0	500	0.000	0.209	2.768	3	3
La	LaDelle	100	0.35	38	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
Lb	LaDelle	50	0.35	38	3	85	0.28	5	0	4	0	350	0.000	0.660	1.681	3	3
	Wahpeton	50	0.35	86	3	85	0.28	5	0	4	0	350	0.000	0.660	1.681	3	3
Lm	Lamoure	100	0.35	86	3	85	0.28	5	0	1	0	500	0.000	0.209	1.681	3	3
Lp	LaPrairie	100	0.35	48	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3

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			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=			
MdC	Maddock	100	0.35	134	1	85	0.17	5	6	9	150	250	0.823	1.854	2.768	3	3
MhB	Maddock	65	0.35	134	1	85	0.17	5	3	6	70	300	0.258	1.164	2.768	3	3
	Hecla	35	0.35	134	1	85	0.17	5	3	6	70	300	0.258	1.164	2.768	3	3
MIB	Maddock	60	0.35	134	1	85	0.17	5	3	6	70	300	0.258	1.164	2.768	3	3
	Hecla	25	0.35	134	1	85	0.17	5	3	6	70	300	0.258	1.164	2.768	3	3
	Hamar	15	0.35	134	1	85	0.17	5	3	6	70	300	0.258	1.164	2.768	3	3
Mr	Marsh	100	0.35	38	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
NuC	Nutley	100	0.35	86	3	85	0.28	5	6	9	150	250	0.823	1.854	1.681	2	3
Oc	OVerly	100	0.35	38	3	85	0.32	5	0	3	0	400	0.000	0.435	1.471	3	3
Od	Overly	60	0.35	48	3	85	0.32	5	0	3	0	400	0.000	0.435	1.471	3	3
	Bearden	40	0.35	86	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
Oe	Overly	65	0.35	38	3	85	0.32	5	0	3	0	0	0.44	1.471	3	3.00	
	Bearden	35	0.35	86	3	85	0.28	5	0	3	0	0	0.44	1.681	3	3.00	
OIB	Overly	55	0.35	38	3	85	0.32	5	3	6	70	300	0.258	1.164	1.471	3	3
	Beotia	45	0.35	38	3	85	0.28	5	3	6	70	300	0.258	1.164	1.681	3	3
Pc	Parnell	100	0.35	38	3	85	0.28	5	0	1	0	500	0.000	0.209	1.681	3	3
Pd	Parnell	50	0.35	38	3	85	0.28	5	0	1	0	500	0.000	0.209	1.681	3	3
	Tonka	50	0.35	38	3	85	0.32	5	0	1	0	500	0.000	0.209	1.471	3	3
Pf	Peever	65	0.35	48	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
	Forman	35	0.35	48	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
Pr	Perella	100	0.35	48	3	85	0.28	5	0	1	0	500	0.000	0.209	1.681	3	3
Ps	Perella	10	0.35	38	3	85	0.28	5	0	1	0	500	0.000	0.209	1.681	3	3
Ro	Roliss	100	0.35	48	3	85	0.28	5	0	1	0	500	0.000	0.209	1.681	3	3
Ry	Ryan	40	0.35	86	1	85	0.28	3	0	1	0	500	0.000	0.209	1.008	3	3
	Fargo	60	0.35	86	3	85	0.32	5	0	1	0	500	0.000	0.209	1.471	3	3
Sd	Serden	100	0.35	134	1	85	0.15	5	0	20	0	150	0.000	4.995	3.137	2	3
Se	Serden	75	0.35	134	1	85	0.15	5	3	20	70	150	0.258	4.995	3.137	2	3
	Stabilized dune land	25	0.35	220	1	85	0.15	5	3	20	70	150	0.258	4.995	3.137	2	3
ShB	Sioux	65	0.35	86	1	85	0.2	2	0	6	0	300	0.000	1.164	0.941	2	3
	Renshaw	35	0.35	48	3	85	0.28	3	0	6	0	300	0.000	1.164	1.008	2	3
ShE	Sioux	70	0.35	86	1	85	0.24	2	6	25	100	300	0.672	10.202	0.784	2	1
	Renshaw	30	0.35	48	3	85	0.28	3	6	25	100	300	0.672	10.202	1.008	2	1
Sr	Stirum	65	0.35	86	1	85	0.24	3	0	1	0	500	0.000	0.209	1.176	3	3
	Arveson	35	0.35	86	3	85	0.24	4	0	1	0	500	0.000	0.209	1.569	3	3
St	Strongly saline land	100	0.35	86	3	85	0.32	5	0	3	0	400	0.000	0.435	1.471	3	3
Su	Svea	100	0.35	48	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
SvB	Svea	65	0.35	48	3	85	0.28	5	3	6	70	300	0.258	1.164	1.681	3	3
	Buse	35	0.35	86	3	85	0.28	5	3	6	70	300	0.258	1.164	1.681	3	3
SvC	Svea	60	0.35	48	3	85	0.28	5	6	9	150	250	0.823	1.854	1.681	2	3
	Buse	40	0.35	86	3	85	0.28	5	6	9	150	250	0.823	1.854	1.681	2	3
Sw	sSvea	55	0.35	48	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
	Gardena	45	0.35	56	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
Sy	Swenoda	55	0.35	86	3	85	0.2	5	0	3	0	400	0.000	0.435	2.353	3	3
	Wyndmere	45	0.35	86	3	85	0.2	5	0	3	0	400	0.000	0.435	2.353	3	3
Td	Tiffany	100	0.35	86	3	85	0.2	5	0	1	0	500	0.000	0.209	2.353	3	3
Tf	Tiffany	100	0.35	56	3	85	0.28	5	0	1	0	500	0.000	0.209	1.681	3	3
Th	Tiffany	100	0.35	56	3	85	0.28	5	0	1	0	500	0.000	0.209	1.681	3	3

Richland and Sheyenne National Grassland Area of Ransom County
North Dakota

6-1-1987

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	HEL Class	
Tk	Tonka	100	0.35	48	3	85	0.32	5	0	1	0	500	0.000	0.209	1.471	3	3
To	Towner	100	0.35	134	1	85	0.17	5	0	3	0	400	0.000	0.435	2.768	3	3
Tw	Towner	50	0.35	86	3	85	0.2	5	0	3	0	400	0.000	0.435	2.353	3	3
	Swenoda	50	0.35	86	3	85	0.2	5	0	3	0	400	0.000	0.435	2.353	3	3
Un	Ulen	100	0.35	86	3	85	0.17	4	0	3	0	400	0.000	0.435	2.215	3	3
Va	Vallers	100	0.35	86	3	85	0.28	5	0	1	0	500	0.000	0.209	1.681	3	3
Ve	Venlo	100	0.35	86	3	85	0.2	5	0	1	0	500	0.000	0.209	2.353	3	3
Wa	Wahpeton	100	0.35	86	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
We	Wet alluvial land	100	0.35	86	3	85	0.28	5	0	3	0	400	0.000	0.435	1.681	3	3
Wy	Wyndmere	100	0.35	86	3	85	0.2	5	0	3	0	400	0.000	0.435	2.353	3	3
ZeD	Zell	60	0.35	86	3	85	0.32	5	9	12	70	150	0.981	2.209	1.471	2	1
	Eckman	40	0.35	56	3	85	0.28	5	9	12	70	150	0.981	2.209	1.681	2	3
ZeE	Zell	65	0.35	86	3	85	0.32	5	12	20	80	150	1.613	4.995	1.471	1	1
	Eckman	35	0.35	56	3	85	0.28	5	12	20	80	150	1.613	4.995	1.681	2	1