

Nelson
North Dakota

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	
2	Parnell sil	90	0.40	48	3	60	0.28	5	0	1	15	50	0.047	0.105	2.381	3	3
3	Plymooor sil	80	0.40	86	3	60	0.28	5	0	1	75	200	0.065	0.159	2.381	3	3
4	Southam sil	90	0.40	48	3	60	0.28	5	0	1	75	200	0.065	0.159	2.381	3	3
5	Hamerly- Tonka complex	55	0.40	86	3	60	0.28	5	0	3	50	150	0.060	0.324	2.381	3	3
7	Parnell- Vallers complex	40	0.40	48	3	60	0.32	5	0	3	50	150	0.060	0.324	2.088	3	3
7	Parnell- Vallers complex	65	0.40	48	3	60	0.28	5	0	3	85	200	0.067	0.353	2.381	3	3
30	Vallers complex	30	0.40	86	3	60	0.28	5	0	3	85	200	0.067	0.353	2.381	3	3
8	Svea I	90	0.40	48	3	60	0.28	5	0	1	200	800	0.080	0.241	2.381	3	3
10	Svea I	90	0.40	48	3	60	0.28	5	1	3	90	200	0.125	0.353	2.381	3	3
11B	Svea- Buse I	65	0.40	48	3	60	0.28	5	3	6	50	150	0.233	0.823	2.381	3	3
25	Buse I	25	0.40	86	3	60	0.28	5	3	6	50	150	0.233	0.823	2.381	3	3
11C	Svea- Buse I	60	0.40	48	3	60	0.28	5	6	9	100	250	0.672	1.854	2.381	3	3
30	Buse I	30	0.40	86	3	60	0.28	5	6	9	100	250	0.672	1.854	2.381	3	3
12B	Barnes- Svea I	48	0.40	48	3	60	0.28	5	3	6	200	400	0.353	1.344	2.381	3	3
42	Svea I	42	0.40	48	3	60	0.28	5	3	6	200	400	0.353	1.344	2.381	3	3
13D	Buse- Svea I	60	0.40	86	3	60	0.28	5	9	15	100	200	1.173	3.620	2.381	2	1
30	Svea I	30	0.40	48	3	60	0.28	5	9	15	100	200	1.173	3.620	2.381	2	1
13E	Buse- Svea I	55	0.40	86	3	60	0.28	5	15	25	250	500	4.047	13.170	2.381	1	1
35	Svea I	35	0.40	48	3	60	0.28	5	15	25	250	500	4.047	13.170	2.381	1	1
14D	Sioux- Barnes-	62	0.40	56	1	60	0.24	2	6	15	100	200	0.672	3.620	1.111	2	1
32	Barnes-	32	0.40	48	3	60	0.28	5	6	15	150	250	0.823	4.047	2.381	2	1
15	Borup sil	90	0.40	86	3	60	0.28	5	0	1	100	200	0.069	0.159	2.381	3	3
17	Borup sil, saline	75	0.40	86	3	60	0.28	5	0	1	100	200	0.069	0.159	2.381	3	3
20	Hamerly I	85	0.40	86	3	60	0.28	5	0	2	100	200	0.069	0.247	2.381	3	3
20B	Hamerly I	75	0.40	86	3	60	0.28	5	3	6	50	100	0.233	0.672	2.381	3	3
21	Vallers and Hamerly I, saline	55	0.40	86	3	60	0.28	5	0	3	100	200	0.069	0.353	2.381	3	3
30	Hamerly I, saline	30	0.40	86	3	60	0.28	5	0	3	100	200	0.069	0.353	2.381	3	3
22	Vallers I	80	0.40	86	3	60	0.28	5	0	1	100	200	0.069	0.159	2.381	3	3
23	Cavour- Cresbard I	55	0.40	48	3	60	0.37	3	0	3	100	200	0.069	0.353	1.081	3	3
30	Cresbard I	30	0.40	48	3	60	0.32	3	0	3	100	200	0.069	0.353	1.250	3	3
24	Cresbard- Svea I	50	0.40	48	3	60	0.32	3	0	3	100	200	0.069	0.353	1.250	3	3
45	Svea I	45	0.40	48	3	60	0.28	5	0	3	100	200	0.069	0.353	2.381	3	3
25	Miranda- Cavour sil	40	0.40	56	3	60	0.32	3	0	3	100	200	0.069	0.353	1.250	3	3
40	Cavour sil	40	0.40	56	3	60	0.37	3	0	3	100	200	0.069	0.353	1.081	3	3
26B	Cresbard- Barnes I	40	0.40	48	3	60	0.32	3	3	6	50	150	0.233	0.823	1.250	3	3
40	Barnes I	40	0.40	48	3	60	0.28	5	3	6	50	150	0.233	0.823	2.381	3	3
27	Hamar Is	85	0.40	134	1	60	0.17	5	0	1	300	600	0.086	0.221	3.922	3	3
28E	Wamduka sl, extremely stony	75	0.40	86	1	60	0.20	2	9	45	15	50	0.454	10.748	1.333	2	1
29B	Maddock Is	80	0.40	134	1	60	0.17	5	1	6	300	600	0.179	1.647	3.922	3	3
30	Embden fsl	85	0.40	86	3	60	0.20	5	0	3	300	600	0.086	0.491	3.333	3	3
31B	Egeland sl	85	0.40	86	3	60	0.20	5	3	6	200	400	0.353	1.344	3.333	3	3
32	Gardena sil	85	0.40	56	3	60	0.28	5	0	3	400	800	0.091	0.535	2.381	3	3
32B	Gardena sil	85	0.40	56	3	60	0.28	5	3	6	300	600	0.399	1.647	2.381	3	3
33	Glyndon sil	70	0.40	86	3	60	0.28	5	0	1	300	600	0.086	0.221	2.381	3	3
34	LaDelle sil	75	0.40	48	3	60	0.28	5	0	1	200	400	0.080	0.195	2.381	3	3
35	LaDelle sil, channeled	60	0.40	48	3	60	0.28	5	0	1	10	50	0.044	0.105	2.381	3	3
36B	Arvilla sl	85	0.40	86	1	60	0.20	3	0	6	300	600	0.086	1.647	2.000	3	3

Nelson
North Dakota

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	Class	
									Min	Max	Min	Max	Min	Max	8T/RK=		
37	Fordville I	65	0.40	56	3	60	0.24	4	0	1	300	600	0.086	0.221	2.222	3	3
38B	Renshaw I	75	0.40	56	3	60	0.28	3	1	6	90	200	0.125	0.951	1.429	3	3
39E	Sioux I	85	0.40	56	1	60	0.24	2	6	25	200	400	0.951	11.780	1.111	2	1
40	Divide I	75	0.40	86	1	60	0.28	4	0	1	90	200	0.068	0.159	1.905	3	3
41	Vang I	90	0.40	48	3	60	0.28	4	0	1	300	600	0.086	0.221	1.905	3	3
42B	Brantford I	80	0.40	56	3	60	0.28	3	1	6	200	400	0.159	1.344	1.429	3	3
43E	Coe gravelly I	80	0.40	56	1	60	0.20	2	6	25	300	600	1.164	14.427	1.333	2	1
44B	Walsh I	90	0.40	48	3	60	0.28	5	1	6	300	600	0.179	1.647	2.381	3	3
44C	Walsh I	90	0.40	48	3	60	0.28	5	6	9	200	400	0.951	2.346	2.381	3	3
45E	Zeil-	42	0.40	56	3	60	0.32	5	6	25	300	600	1.164	14.427	2.083	2	1
	Maddock complex	38	0.40	134	1	60	0.17	5	6	25	300	600	1.164	14.427	3.922	2	1
46C	Wamduska-	48	0.40	86	1	60	0.15	2	1	9	80	200	0.121	1.659	1.778	3	3
	Mauvals complex	48	0.40	86	3	60	0.24	5	1	9	80	200	0.121	1.659	2.778	3	3
47	Lallie sicl, saline	85	0.40	86	3	60	0.37	5	0	1	300	600	0.086	0.221	1.802	3	3
48B	Barnes-	48	0.40	48	3	60	0.28	5	3	6	50	250	0.233	1.063	2.381	3	3
	Renshaw I	42	0.40	56	3	60	0.28	3	3	6	50	250	0.233	1.063	1.429	3	3
70E	Kloten-	55	0.40	48	1	60	0.32	2	9	25	300	600	2.031	14.427	0.833	1	1
	Buse I	25	0.40	86	3	60	0.28	5	9	25	300	600	2.031	14.427	2.381	2	1
73	Lamoure sicl	90	0.40	86	3	60	0.28	5	0	1	90	200	0.068	0.159	2.381	3	3