

McKenzie  
North Dakota

9/20/90

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

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	Heil	100	0.60	48	1	45	0.28	3	1	1	25	100	0.085	0.129	1.905	3	3
3	Dimmick	100	0.60	86	1	45	0.28	5	1	2	25	100	0.085	0.201	3.175	3	3
4	Regan	100	0.60	86	1	45	0.32	5	1	3	50	200	0.105	0.353	2.778	3	3
5	Tonka	50	0.60	48	3	45	0.32	5	1	1	1	25	0.032	0.085	2.775	3	3
	Hamerly	20	0.60	86	3	45	0.28	5	1	3	50	100	0.105	0.287	3.175	3	3
7	Harriet	100	0.60	48	1	45	0.37	3	1	3	50	200	0.105	0.353	1.441	3	3
9	Grano	100	0.60	86	1	45	0.28	5	1	1	50	200	0.105	0.159	3.175	3	3
10B	Banks	100	0.60	134	1	45	0.17	5	1	6	25	200	0.085	0.951	5.229	3	3
11B	Patent	100	0.60	86	1	45	0.32	5	1	6	50	400	0.105	1.344	2.780	3	3
11C	Patent	100	0.60	86	1	45	0.32	5	6	9	50	400	0.475	2.346	2.778	3	3
12	Trembles	100	0.60	86	1	45	0.20	5	0	3	25	100	0.053	0.287	4.444	3	3
13	Havrelon	100	0.60	86	1	45	0.32	5	1	3	25	100	0.085	0.287	2.778	3	3
13B	Havrelon	100	0.60	86	1	45	0.32	5	3	6	25	100	0.189	0.672	2.778	3	3
14	Korchea	100	0.60	56	3	45	0.32	5	1	6	50	100	0.105	0.672	2.778	3	3
15	Korchea	100	0.60	56	3	45	0.32	5	1	3	50	300	0.105	0.399	2.778	3	3
16	Ridgelawn	100	0.60	86	1	45	0.28	3	1	3	50	500	0.105	0.465	1.905	3	3
16B	Ridgelawn	100	0.60	86	1	45	0.28	3	3	6	50	500	0.233	1.503	1.905	3	3
17	Lohler	100	0.60	86	1	45	0.28	5	1	3	50	200	0.105	0.353	3.175	3	3
18	Lohler	100	0.60	86	1	45	0.28	5	1	1	50	200	0.105	0.159	3.175	3	3
19	Hoffmanville	100	0.60	86	1	45	0.28	5	1	3	50	500	0.105	0.465	3.175	3	3
20B	Parshall	100	0.60	86	1	45	0.20	5	1	6	50	300	0.105	1.164	4.444	3	3
21B	Tally	100	0.60	86	1	45	0.20	5	1	6	50	300	0.105	1.164	4.444	3	3
21C	Tally	100	0.60	86	1	45	0.20	5	6	9	50	300	0.475	2.031	4.444	3	3
22	Velva	90	0.60	86	1	45	0.20	5	0	3	50	200	0.060	0.353	4.444	3	3
23B	Lihen	100	0.60	134	1	45	0.17	5	1	6	50	200	0.105	0.951	5.229	3	3
23D	Lihen	60	0.60	134	1	45	0.17	5	6	15	50	200	0.475	3.620	5.229	3	3
	Beisigl	40	0.60	134	1	45	0.17	4	6	15	50	200	0.475	3.620	4.183	3	3
24	Arnegard	100	0.60	48	3	45	0.28	5	1	3	50	700	0.105	0.514	3.175	3	3
25	Farnuf	10	0.60	48	3	45	0.28	5	1	3	50	500	0.105	0.465	3.175	3	3
25B	Farnuf	100	0.60	48	3	45	0.28	5	3	6	50	500	0.233	1.503	3.175	3	3
25C	Farnuf	100	0.60	48	3	45	0.28	5	6	9	50	500	0.475	2.623	3.175	3	3
26	Tansem	100	0.60	48	3	45	0.28	5	1	3	50	150	0.105	0.324	3.175	3	3
26B	Tansem	100	0.60	48	3	45	0.28	5	3	6	50	150	0.233	0.823	3.175	3	3
27	Golva	100	0.60	48	3	45	0.28	5	1	3	100	500	0.129	0.465	3.175	3	3
27B	Golva	100	0.60	48	3	45	0.32	5	3	6	100	500	0.287	1.503	2.778	3	3
27C	Golva	100	0.60	48	3	45	0.32	5	6	9	100	400	0.672	2.346	2.778	3	3
29	Savage	100	0.60	38	3	45	0.37	5	1	3	50	700	0.105	0.514	2.402	3	3
29B	Savage	100	0.60	38	3	45	0.37	5	3	6	50	500	0.233	1.503	2.402	3	3
29C	Savage	100	0.60	38	3	45	0.37	5	6	9	50	400	0.475	2.346	2.402	3	3
30	Lawther	100	0.60	86	1	45	0.32	5	1	3	50	700	0.105	0.514	2.778	3	3
31B	Cherry	100	0.60	38	3	45	0.37	5	1	6	50	700	0.105	1.778	2.402	3	3
31C	Cherry	100	0.60	38	3	45	0.37	5	6	9	50	500	0.475	2.623	2.402	2	3
32B	Vanda	100	0.60	86	1	45	0.37	5	1	6	50	250	0.105	1.063	2.402	3	3
32C	Cherry	75	0.60	38	3	45	0.37	5	3	9	50	700	0.233	3.103	2.402	2	3
	Vanda	25	0.60	86	3	45	0.37	5	3	9	50	250	0.233	1.854	2.402	3	3
32D	Cherry	65	0.60	38	1	45	0.37	5	9	15	50	300	0.829	4.433	2.402	2	1
	Cabba	35	0.60	86	1	45	0.37	2	9	15	50	200	0.829	3.620	0.961	2	1

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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	
33	Belfield	70	0.60	48	1	45	0.32	3	1	3	50	700	0.105	0.514	1.667	3	3
	Grail	30	0.60	38	1	45	0.32	5	1	3	50	700	0.105	0.514	2.778	3	3
33B	Belfield	70	0.60	48	1	45	0.32	3	3	6	50	500	0.233	1.503	1.667	3	3
	Savage	30	0.60	38	1	45	0.32	5	3	6	50	500	0.233	1.503	2.778	3	3
34B	Daglum	55	0.60	48	1	45	0.32	3	0	6	50	500	0.060	1.503	1.667	3	3
	Belfield	45	0.60	48	1	45	0.32	3	0	6	50	500	0.060	1.503	1.667	3	3
36B	rhoades	55	0.60	48	1	45	0.32	3	1	6	50	700	0.105	1.778	1.667	2	3
	Daglum	45	0.60	48	1	45	0.32	3	1	6	50	700	0.105	1.778	1.667	2	3
36D	Rhoades	55	0.60	48	1	45	0.32	3	6	6	50	100	0.475	2.559	1.667	2	3
	Daglum	45	0.60	48	1	45	0.32	3	6	6	50	100	0.475	2.559	1.667	2	3
38B	Dogtooth	60	0.60	48	1	45	0.32	3	1	1	50	200	0.105	0.951	1.667	3	3
	Janesburg	40	0.60	48	1	45	0.32	3	1	1	50	200	0.105	0.951	1.667	3	3
38D	Dogtooth	45	0.60	48	1	45	0.32	3	6	6	50	200	0.475	3.620	1.667	2	1
	Janesburg	35	0.60	48	1	45	0.32	3	6	6	50	200	0.475	3.620	1.667	2	1
	Cabba	20	0.60	86	1	45	0.37	2	6	6	50	200	0.475	3.620	0.961	2	1
39	Daglum	50	0.60	48	1	45	0.32	3	1	1	50	100	0.105	0.287	1.667	3	3
	Straw	50	0.60	56	1	45	0.32	5	1	1	50	100	0.105	0.287	2.778	3	3
40B	Ekalaka	55	0.60	86	1	45	0.24	3	1	1	50	300	0.105	1.164	2.222	3	3
	Desart	45	0.60	86	1	45	0.20	4	1	1	50	400	0.105	1.344	3.556	3	3
41	Williams	65	0.60	48	3	45	0.28	5	1	1	50	300	0.105	0.399	3.175	3	3
	Bowbells	35	0.60	48	3	45	0.28	5	1	1	50	300	0.105	0.399	3.175	3	3
41B	Williams	65	0.60	48	3	45	0.28	5	3	3	50	300	0.233	1.164	3.175	3	3
	Bowbells	35	0.60	48	3	45	0.28	5	3	3	50	300	0.233	1.164	3.175	3	3
42B	Williams	65	0.60	48	3	45	0.28	5	3	3	50	250	0.233	1.063	3.175	3	3
	Zahl	35	0.60	86	3	45	0.28	5	3	3	50	250	0.233	1.063	3.175	3	3
43C	Zahl	60	0.60	86	1	45	0.28	5	6	6	50	150	0.475	1.436	3.175	3	3
	Williams	40	0.60	48	1	45	0.28	5	6	6	50	250	0.475	1.854	3.175	3	3
44D	Zahl	60	0.60	86	1	45	0.28	5	9	9	50	150	0.829	3.135	3.175	3	3
	Williams	40	0.60	48	1	45	0.28	5	9	9	50	250	0.829	4.047	3.175	2	3
44E	Zahl	65	0.60	86	1	45	0.28	5	15	15	50	150	1.810	7.214	3.175	2	1
	Williams	35	0.60	48	1	45	0.28	5	15	15	50	250	1.810	9.313	3.175	2	1
45F	Cabba	50	0.60	86	1	45	0.37	2	3	3	50	250	0.233	48.894	0.961	2	1
	Zahl	50	0.60	86	1	45	0.28	5	3	3	50	250	0.233	48.894	3.175	2	1
46B	Dooley	70	0.60	86	1	45	0.24	5	3	3	25	200	0.189	0.951	3.704	3	3
	Zahl	70	0.60	86	1	45	0.28	5	3	3	25	200	0.189	0.951	3.175	3	3
46C	Dooley	70	0.60	86	1	45	0.24	5	6	6	25	200	0.336	1.659	3.704	3	3
	Zahl	30	0.60	86	1	45	0.28	5	6	6	25	200	0.336	1.659	3.175	3	3
46D	Dooley	65	0.60	86	1	45	0.24	5	9	9	25	200	0.586	3.620	3.704	3	3
	Zahl	35	0.60	86	1	45	0.28	5	9	9	25	200	0.586	3.620	3.175	2	3
48	Temvik	60	0.60	48	3	45	0.32	5	1	1	100	250	0.129	0.378	2.778	3	3
	Wilton	40	0.60	48	3	45	0.28	5	1	1	100	250	0.129	0.378	3.175	3	3
49	Temvik	55	0.60	48	3	45	0.32	5	1	1	100	250	0.129	0.378	2.778	3	3
	Williams	45	0.60	48	3	45	0.28	5	1	1	100	250	0.129	0.378	3.175	3	3
49B	Temvik	60	0.60	48	3	45	0.32	5	3	3	100	250	0.287	1.063	2.778	3	3
	Williams	40	0.60	48	3	45	0.28	5	3	3	100	250	0.287	1.063	3.175	3	3
50B	Temvik	65	0.60	48	3	45	0.28	5	3	3	50	150	0.233	0.823	3.175	3	3
	Zahl	35	0.60	86	3	45	0.28	5	3	3	50	150	0.233	0.823	3.175	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	8T/RK=	HEL Class	Class			
51 Amor		100	0.60	48	3	45	0.28	4	1	3	100	400	0.129	0.435	2.540	3	3
51B Amor		100	0.60	48	3	45	0.28	4	3	6	100	300	0.287	1.164	2.540	3	3
51C Amor		60	0.60	48	1	45	0.28	4	6	9	50	300	0.475	2.031	2.540	3	3
	Cabba	40	0.60	86	1	45	0.37	2	6	9	50	300	0.475	2.031	0.961	2	3
51D Amor		60	0.60	48	1	45	0.28	4	9	15	50	250	0.829	4.047	2.540	2	3
	Cabba	40	0.60	86	1	45	0.37	2	9	15	50	250	0.829	4.047	0.961	2	1
52B Reeder		100	0.60	48	3	45	0.28	4	3	6	100	400	0.287	1.344	2.540	3	3
52C Reeder		60	0.60	48	1	45	0.28	4	6	9	50	250	0.475	1.854	2.540	3	3
	Cabba	40	0.60	86	1	45	0.37	2	6	9	50	250	0.450	1.854	0.961	2	3
53B Chama		60	0.60	86	1	45	0.32	4	3	6	100	300	0.287	1.164	2.222	3	3
	Sen	40	0.60	48	1	45	0.32	4	3	6	100	300	0.287	1.164	2.222	3	3
53C Chama		55	0.60	86	1	45	0.32	4	6	9	50	400	0.475	2.346	2.222	2	3
	Cabba	45	0.60	86	1	45	0.37	2	6	9	50	250	0.475	1.854	0.961	2	1
53D Chama		50	0.60	86	1	45	0.32	4	9	15	50	250	0.829	4.047	2.222	2	1
	Cabba	50	0.60	86	1	45	0.37	2	9	15	50	150	0.829	3.135	0.961	2	1
54F Cabba		65	0.60	86	1	45	0.37	2	15	15	50	150	1.810	21.829	0.961	1	1
	Chama	35	0.60	86	1	45	0.32	4	15	15	50	300	1.810	30.871	2.222	2	1
55B Sen		50	0.60	48	1	45	0.32	4	3	6	50	300	0.233	1.164	2.222	3	3
	Janesburg	50	0.60	48	1	45	0.32	3	3	6	50	300	0.233	1.164	1.667	3	3
56B Lefor		100	0.60	86	1	45	0.20	4	1	6	50	400	0.105	1.344	3.556	3	3
56C Lefor		100	0.60	86	1	45	0.20	4	6	6	50	200	0.475	1.659	3.556	3	3
60B Vebar		60	0.60	86	1	45	0.20	4	1	6	50	300	0.105	1.164	3.556	3	3
	Parshall	40	0.60	86	1	45	0.20	5	1	6	50	200	0.105	0.951	4.444	3	3
61B Beisigl		60	0.60	134	1	45	0.17	4	1	6	50	200	0.105	0.951	4.183	3	3
	Lihen	40	0.60	134	1	45	0.17	5	1	6	50	300	0.105	1.164	5.229	3	3
61D Beisigl		65	0.60	134	1	45	0.17	4	6	6	15	200	0.475	3.620	4.183	3	3
	Flasher	35	0.60	134	1	45	0.17	2	6	6	15	200	0.475	3.620	2.092	2	3
61F Beisigl		65	0.60	134	1	45	0.17	4	15	15	50	200	1.810	14.456	4.183	2	1
	Flasher	35	0.60	134	1	45	0.17	2	15	15	25	300	1.280	17.705	2.092	2	1
62F Flasher		65	0.60	134	1	45	0.17	2	15	15	50	300	1.810	30.871	2.092	2	1
	Rock Outcrop	35	0.60	134	1	45	0.17	5	15	15	10	100	0.809	17.823	5.229	2	1
63B Vebar		60	0.60	86	1	45	0.20	4	3	6	50	300	0.233	1.164	3.556	3	3
	Flasher	40	0.60	134	1	45	0.17	2	3	6	25	300	0.189	1.164	2.092	3	3
63C Vebar		60	0.60	86	1	45	0.20	4	6	6	50	300	0.475	2.031	3.556	3	3
	Flasher	40	0.60	134	1	45	0.17	2	6	6	25	300	0.336	2.031	2.092	3	3
63D Vebar		60	0.60	86	1	45	0.20	4	9	9	15	300	0.829	4.433	3.556	2	1
	Flasher	40	0.60	134	1	45	0.17	2	9	9	25	300	0.586	4.433	2.092	2	1
66B Manning		100	0.60	86	1	45	0.20	3	1	6	50	200	0.105	0.951	2.667	3	3
70B Regent		100	0.60	38	3	45	0.32	4	3	6	50	500	0.233	1.503	2.222	3	3
70C Regent		70	0.60	38	1	45	0.32	4	6	6	50	200	0.475	1.659	2.222	3	3
	Cabba	30	0.60	86	1	45	0.37	2	6	6	50	200	0.475	1.659	0.961	2	3
71B Regent		60	0.60	38	3	45	0.32	4	1	6	50	500	0.105	1.503	2.222	3	3
	Janesburg	40	0.60	48	3	45	0.32	3	1	6	50	500	0.105	1.503	1.667	3	3
71C Regent		60	0.60	38	3	45	0.32	4	6	6	50	400	0.475	2.346	2.222	2	3
	Janesburg	40	0.60	48	3	45	0.32	3	6	6	50	400	0.475	2.346	1.667	2	3
72 Moreau		100	0.60	86	1	45	0.32	4	1	6	50	500	0.105	0.465	2.222	3	3
72B Moreau		100	0.60	86	1	45	0.32	4	3	6	50	500	0.233	1.503	2.222	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	
72C	Moreau	65	0.60	86	1	45	0.32	4	6	9	50	350	0.475	2.194	2.222	3	1
	Cabba	35	0.60	86	1	45	0.37	2	6	9	50	250	0.475	1.854	0.961	2	1
72D	Moreau	65	0.60	86	1	45	0.32	4	9	15	50	250	0.829	4.047	2.222	2	1
	Cabba	35	0.60	86	1	45	0.37	2	9	15	50	250	0.829	4.047	0.961	2	1
75C	Wayden	100	0.60	86	1	45	0.32	2	3	9	50	250	0.233	1.854	1.111	2	3
80	Badland	100	0.60	86	1	45	0.37	1	2	50	50	100	0.163	17.823	0.480	2	1
83F	Cabba	50	0.60	86	1	45	0.37	2	9	70	75	200	1.016	40.151	0.961	1	1
	Badland	50	0.60	86	1	45	0.37	5	9	120	75	200	1.016	69.993	2.402	2	1
84F	Cabba	45	0.60	86	1	45	0.37	2	3	75	50	250	0.233	48.894	0.961	2	1
	Chama	40	0.60	86	1	45	0.32	4	3	35	50	200	0.233	14.456	2.222	2	1
	Havrelon	15	0.60	86	1	45	0.32	5	3	6	50	100	0.233	0.672	2.778	3	1
85F	Cabba	45	0.60	86	1	45	0.37	2	9	40	100	300	1.173	21.915	0.961	1	1
	Amor	35	0.60	48	1	45	0.28	4	9	40	50	200	0.829	17.893	2.540	2	1
	Savage	20	0.60	48	1	45	0.37	5	9	15	50	200	0.829	3.620	2.402	2	1
87F	Arikara	70	0.60	48	1	45	0.28	5	9	75	50	150	0.829	37.873	3.175	2	1
	Badland	30	0.60	86	1	45	0.37	1	9	75	50	150	0.829	37.873	0.480	1	1
88D	Cabba	40	0.60	86	1	45	0.37	2	6	15	50	250	0.475	4.047	0.961	2	1
	Brandenburg	35	0.60	48	1	45	0.24	2	6	15	50	150	0.475	3.135	1.481	2	1
	Daglum	25	0.60	48	1	45	0.32	3	6	15	50	250	0.475	4.047	1.667	2	1
88F	Cabba	40	0.60	86	1	45	0.37	2	9	70	50	250	0.829	44.890	0.961	2	1
	Brandenburg	35	0.60	38	1	45	0.24	2	9	70	50	100	0.829	28.391	1.481	2	1
	Daglum	25	0.60	38	1	45	0.32	3	9	25	50	350	0.829	11.019	1.667	2	1
89F	Brandenburg	50	0.60	48	1	45	0.24	2	9	70	50	100	0.829	28.391	1.481	2	1
	Cabba	30	0.60	86	1	45	0.37	2	9	70	50	250	0.829	44.890	0.961	2	1
	Badland	20	0.60	86	1	45	0.37	5	9	120	50	250	0.829	78.255	2.402	2	1
90B	Schaler	60	0.60	86	1	45	0.28	2	1	6	25	200	0.085	0.951	1.270	3	3
	Lehr	40	0.60	56	1	45	0.20	3	1	6	50	300	0.105	1.164	2.667	3	3
90F	Wabek	60	0.60	86	1	45	0.28	2	6	30	25	200	0.336	11.247	1.270	2	1
	Lehr	40	0.60	56	1	45	0.20	3	6	30	50	300	0.475	13.774	2.667	2	1
91F	Wabek	60	0.60	86	1	45	0.28	2	9	35	25	200	0.586	14.456	1.270	2	1
	Cabba	40	0.60	86	1	45	0.37	2	9	35	25	300	0.586	17.705	0.961	2	1
93B	Lehr	100	0.60	56	1	45	0.28	3	1	6	50	200	0.105	0.951	1.905	3	3
94B	Searing	100	0.60	48	3	45	0.28	4	1	6	100	400	0.129	1.344	2.540	3	3
96	Pits	100	0.60	86	1	45	0.37	2	2	6	25	100	0.132	0.672	0.961	3	3
100F	Cabart	100	0.60	86	1	45	0.37	2	15	70	25	100	1.280	28.391	0.961	1	1
101F	Cabart	60	0.60	86	1	45	0.37	2	15	70	25	100	1.280	28.391	0.961	1	1
	Badland	40	0.60	86	1	45	0.37	5	15	70	25	100	1.280	28.391	2.402	2	1
103D	Fleak	60	0.60	134	1	45	0.17	2	6	15	25	300	0.336	4.433	2.092	2	1
	Rhame	40	0.60	86	1	45	0.20	4	6	15	25	300	0.336	4.433	3.556	2	1
103F	Fleak	60	0.60	134	1	45	0.17	2	15	70	25	300	1.280	49.175	2.092	2	1
	Rhame	40	0.60	86	1	45	0.20	4	15	25	25	300	1.280	10.202	3.556	2	1
104F	Badland	65	0.60	86	1	45	0.37	5	6	150	100	300	0.672	99.897	2.402	2	1
	Cherry	35	0.60	38	1	45	0.37	5	6	25	100	300	0.672	10.202	2.402	2	1
105	Havrelon	100	0.60	86	1	45	0.32	5	0	3	25	100	0.053	0.287	2.778	3	3
106	Glendive	100	0.60	86	1	45	0.20	5	0	3	25	200	0.053	0.353	4.444	3	3
107	Kremlin	100	0.60	48	3	45	0.37	5	0	3	100	300	0.069	0.399	2.402	3	3
108	Hanly	100	0.60	134	1	45	0.17	5	0	3	25	100	0.053	0.287	5.229	3	3

McKenzie  
North Dakota

9/20/90

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

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	
109	Yetull	100	0.60	134	1	45	0.17	5	0	3	25	100	0.053	0.287	5.229	3	3
110B	Absher	100	0.60	56	1	45	0.32	3	0	6	25	100	0.053	0.672	1.667	3	3
110D	Absher	60	0.60	56	1	45	0.32	3	6	15	25	100	0.336	2.559	1.667	2	3
	Cherry	40	0.60	38	1	45	0.37	5	6	15	25	100	0.336	2.559	2.402	2	3
111F	Brandenburg	60	0.60	48	1	45	0.24	2	9	70	50	150	0.829	34.772	1.481	2	1
	Cabbart	40	0.60	86	1	45	0.37	2	9	70	50	150	0.829	34.772	0.961	2	1
112F	Brandenburg	60	0.60	48	1	45	0.24	2	9	70	50	150	0.829	34.772	1.481	2	1
	Badland	40	0.60	86	1	45	0.37	5	9	70	5	150	0.829	34.772	2.402	2	1
113E	Cherry	60	0.60	38	1	45	0.37	5	6	25	100	300	0.672	10.202	2.402	2	1
	Cabbart	40	0.60	86	1	45	0.37	2	6	25	100	300	0.672	10.202	0.961	2	1
146B	Dooly	100	0.60	86	1	45	0.24	5	1	6	25	200	0.085	0.951	3.704	3	3
340B	Williams	55	0.60	48	3	45	0.28	5	0	6	50	150	0.060	0.823	3.175	3	3
	Niobell	45	0.60	48	3	45	0.32	3	0	6	50	150	0.060	0.823	1.667	3	3
341B	Noonan	65	0.60	48	1	45	0.32	3	1	6	50	150	0.105	0.823	1.667	3	3
	Williams	35	0.60	48	1	45	0.28	5	1	6	50	150	0.105	0.823	3.175	3	3
442F	Zahl	60	0.60	86	1	45	0.28	5	9	45	50	250	0.829	24.033	3.175	2	1
	Williams	40	0.60	48	1	45	0.28	5	9	15	50	250	0.829	4.047	3.175	2	1
460C	Zahl	45	0.60	86	1	45	0.28	5	6	9	50	250	0.475	1.854	3.175	3	3
	Cabba	35	0.60	86	1	45	0.37	2	6	9	50	250	0.475	1.854	0.961	2	3
	Farnuf	20	0.60	48	1	45	0.28	5	6	9	50	250	0.475	1.854	3.175	3	3
460D	Zahl	40	0.60	86	1	45	0.28	5	9	15	50	250	0.829	4.047	3.175	2	3
	Cabba	40	0.60	86	1	45	0.37	2	9	15	50	250	0.829	4.047	0.961	2	3
	Farnuf	20	0.60	48	1	45	0.28	5	9	15	50	250	0.829	4.047	3.175	2	3
470C	Zahl	50	0.60	86	1	45	0.28	5	6	9	50	250	0.475	1.854	3.175	3	3
	Beisigl	30	0.60	134	1	45	0.17	4	6	9	50	150	0.475	1.436	4.183	3	3
	Tally	20	0.60	86	1	45	0.20	5	6	9	50	100	0.475	1.173	4.444	3	3
470D	Zahl	50	0.60	86	1	45	0.28	5	9	15	50	250	0.829	4.047	3.175	2	3
	Beisigl	30	0.60	134	1	45	0.17	4	9	15	50	150	0.829	3.135	4.183	3	3
	Tally	20	0.60	86	1	45	0.20	5	9	15	50	100	0.829	2.559	4.444	3	3
612F	Fleak	60	0.60	134	1	45	0.17	4	3	75	25	300	0.189	53.561	4.183	2	1
	Tesler	40	0.60	134	1	45	0.17	2	3	75	50	200	0.233	43.732	2.092	2	1
BS	Banks	100	0.60	86	1	45	0.32	5	1	6	25	100	0.085	0.672	2.778	3	3
BW	Banks	100	0.60	86	1	45	0.17	5	1	3	25	100	0.085	0.287	5.229	3	3
LL	Lefor	60	0.60	86	1	45	0.20	4	1	6	100	300	0.129	1.164	3.556	3	3
	Lihen	40	0.60	134	1	45	0.17	5	1	6	100	300	0.129	1.164	5.229	3	3
L	Lefor	100	0.60	86	1	45	0.20	4	1	6	100	300	0.129	1.164	3.556	3	3
LV	Lefor	100	0.60	86	1	45	0.20	4	1	6	100	300	0.129	1.164	3.556	3	3
SHB	Sham	100	0.60	86	1	45	0.32	5	1	6	100	400	0.129	1.334	2.778	3	3
SHC	Sham	100	0.60	86	1	45	0.32	5	6	9	100	400	0.672	2.346	2.778	3	3
Y	Yegan	100	0.60	86	1	45	0.24	5	1	6	50	300	0.105	1.164	3.704	3	3