SYMBOL	MAP UNIT NAME	WATER EROSION FACTORS K-ftr	T-ftr	Ave R-ftr	LSmax	EI	HEL CLASS	WIND EROSION FACTORS C	I	EI	HEL CLASS

HEL LIST
Morrow County , Oregon

SYMBOL	MAP UNIT NAME	WATER EROSION FACTORS K-ftr	T-ftr	Ave R-ftr	LSmax	EI	HEL CLASS	WIND EROSION FACTORS C	I	EI	HEL CLASS
1	Aquepts and Aquolls, nearly level	0.32	5	15	1.16	1.1	3	0.1	56	1.1	3
2 D	Bakeoven very cobbly loam, 2 to 20 percent slopes	0.15	1	~~30~~ 10	2.85	~~4.3~~ 12.8	~~1~~ 4	0.3	0	0.0	3
3 D	Bakeoven-Morrow complex, 2 to 20 percent slopes										
3D	Bakeoven component	0.15	1	30	2.85	12.8	1	0.3	0	0.0	3
3D	Morrow component	0.37	2	30	2.85	15.8	1	0.3	48	7.2	3
4 D	Bakeoven-Valby complex, 2 to 20 percent slopes										
4D	Bakeoven component	0.15	1	30	2.85	12.8	1	0.3	0	0.0	3
4D	Valby component	0.43	2	30	2.85	18.4	1	0.3	56	8.4	1
5 E	Boardtree loam, 7 to 40 percent slopes	0.37	5	30	3.92	8.7	1	0.1	56	1.1	3
6 C	Bocker extremely cobbly silt loam, 2 to 12 percent slopes	0.15	1	30	2.2	9.9	1	0.1	0	0.0	3
7 C	Bocker-Wrightman complex, 2 to 12 percent slopes										
7C	Bocker component	0.15	1	30	2.2	9.9	1	0.1	0	0.0	3
7C	Wrightman component	0.43	2	30	2.2	14.2	1	0.1	48	2.4	3
8 B	Burbank loamy fine sand, 2 to 5 percent slopes	0.24	5	10	1.56	0.7	3	0.5	134	13.4	1
8 C	Burbank loamy fine sand, 5 to 12 percent slopes	0.24	5	10	2.48	1.2	3	0.5	134	13.4	1
9	Dune land	0.10	5	10	1.34	0.3	3	0.5	310	31.0	1
10 B	Ellum fine sandy loam, 2 to 5 percent slopes	0.32	2	10	1.56	2.5	3	0.5	86	21.5	1
10 C	Ellum fine sandy loam, 5 to 12 percent slopes	0.32	2	10	2.48	4.0	3	0.5	86	21.5	1
11	Endersby fine sandy loam	0.32	3	20	1.16	2.5	3	0.4	86	11.5	1
12	Esquatzel silt loam	0.43	5	20	1.16	2.0	3	0.4	56	4.5	3
13 D	Gravden very gravelly loam, 5 to 20 percent slopes	0.20	1	10	2.85	5.7	3	0.5	0	0.0	3
13 E	Gravden very gravelly loam, 20 to 40 percent slopes	0.20	1	10	4.5	9.0	1	0.5	0	0.0	3
14 E	Gwin extremely stony silt loam, 12 to 40 percent slopes	0.10	1	25	4.12	10.3	1	0.3	0	0.0	3
15 F	Gwin-Rock outcrop complex, 40 to 70 percent slopes										
15F	Gwin component	0.10	1	25	5.04	12.6	1	0.3	0	0.0	3
15F	Rock outcrop component		5	25	5.04			0.3	0	0.0	3
16 C	Hall Ranch loam, 2 to 12 percent slopes	0.32	2	30	2.2	10.6	1	0.1	48	2.4	3
17 E	Hall Ranch gravelly loam, 12 to 35 percent slopes	0.15	2	30	3.92	8.8	1	0.1	38	1.9	3
18 E	Hankins silt loam, 5 to 35 percent south slopes	0.32	4	30	3.76	9.0	1	0.1	48	1.2	3
19 C	Helter silt loam, bedrock substratum, 3 to 15 percent slopes	0.49	3	30	2.48	12.2	1	0.1	56	1.9	3
19 E	Helter silt loam, bedrock substratum, 15 to 35 percent slopes	0.49	3	30	4.12	20.2	1	0.1	56	1.9	3
19 F	Helter silt loam, bedrock substratum, 35 to 60 percent slopes	0.49	3	30	4.84	23.7	1	0.1	56	1.9	3
20 B	Hezel loamy fine sand, 2 to 5 percent slopes	0.24	5	10	1.56	0.7	3	0.5	134	13.4	1
20 C	Hezel loamy fine sand, 5 to 12 percent slopes	0.24	5	10	2.48	1.2	3	0.5	134	13.4	1
21 B	Irrigon fine sandy loam, 2 to 5 percent slopes	0.32	2	10	1.56	2.5	3	0.5	86	21.5	1
21 C	Irrigon fine sandy loam, 5 to 12 percent slopes	0.32	2	10	2.48	4.0	3	0.5	86	21.5	1
22	Kimberly fine sandy loam	0.32	5	25	1.16	1.9	3	0.3	86	5.2	3
23 D	Klicker stony silt loam, 2 to 20 percent slopes	0.24	2	30	2.85	10.3	1	0.1	0	0.0	3
24 E	Klicker stony silt loam, 20 to 40 percent north slopes	0.24	2	30	4.5	16.2	1	0.1	0	0.0	3
24 F	Klicker stony silt loam, 40 to 75 percent north slopes	0.24	2	30	5.04	18.1	1	0.1	0	0.0	3
25 E	Klicker very stony silt loam, 20 to 40 percent south slopes	0.15	2	30	4.5	10.1	1	0.1	0	0.0	3
25 F	Klicker very stony silt loam, 40 to 75 percent south slopes	0.15	2	30	5.04	11.3	1	0.1	0	0.0	3
26 B	Koehler loamy fine sand, 2 to 5 percent slopes	0.20	2	10	1.56	1.6	3	0.5	134	33.5	1
26 C	Koehler loamy fine sand, 5 to 12 percent slopes	0.20	2	10	2.48	2.5	3	0.5	134	33.5	1
27 E	Labuck loam, 5 to 35 percent slopes	0.28	3	30	3.76	10.5	1	0.1	56	1.9	3
28 E	Lickskillet very stony loam, 7 to 40 percent slopes	0.20	1	25	3.92	19.6	1	0.3	0	0.0	3

SYMBOL	MAP UNIT NAME	WATER EROSION FACTORS K-ftr	T-ftr	Ave R-ftr	LSmax	EI	HEL CLASS	WIND EROSION FACTORS C	I	EI	HEL CLASS
29 F	Lickskillet-Rock outcrop complex, 40 to 70 percent slopes										
29F	Lickskillet component	0.15	1	25	5.04	18.9	1	0.3	0	0.0	3
29F	Rock outcrop component	-	5	25	5.04			0.3	0	0.0	3
30 B	Mikkalo silt loam, 2 to 7 percent slopes	0.43	2	15	1.83	5.9	3	0.4	56	11.2	1
30 C	Mikkalo silt loam, 7 to 12 percent slopes	0.43	2	15	2.67	8.6	1	0.4	56	11.2	1
30 D	Mikkalo silt loam, 12 to 20 percent slopes	0.43	2	15	3.24	10.4	1	0.4	56	11.2	1
31 B	Morrow silt loam, 1 to 7 percent slopes	0.37	2	30	1.56	8.7	1	0.3	48	7.2	3
31 C	Morrow silt loam, 7 to 12 percent slopes	0.37	2	30	2.67	14.8	1	0.3	48	7.2	3
32 D	Morrow silt loam, 12 to 20 percent north slopes	0.37	2	30	3.24	18.0	1	0.3	48	7.2	3
32 E	Morrow silt loam, 20 to 35 percent north slopes	0.37	2	30	3.92	21.8	1	0.3	48	7.2	3
33 D	Morrow silt loam, 12 to 20 percent south slopes	0.37	2	30	3.24	18.0	1	0.3	48	7.2	3
33 E	Morrow silt loam, 20 to 30 percent south slopes	0.37	2	30	4.12	22.9	1	0.3	48	7.2	3
34 F	Nansene silt loam, 35 to 70 percent slopes	0.43	3	20	4.84	13.9	1	0.4	56	7.5	3
35	Onyx silt loam	0.43	5	25	1.16	2.5	3	0.3	56	3.4	3
36	Pedigo silt loam	0.37	5	25	1.16	2.1	3	0.3	56	3.4	3
37 A	Prosser silt loam, 0 to 2 percent slopes	0.43	2	10	0.8	1.7	3	0.5	56	14.0	1
37 B	Prosser silt loam, 2 to 7 percent slopes	0.43	2	10	1.83	3.9	3	0.5	56	14.0	1
38 D	Prosser-Rock outcrop complex, 1 to 20 percent slopes										
38D	Prosser component	0.43	2	10	2.85	6.1	3	0.5	56	14.0	1
38D	Rock outcrop component	-	5	10	2.85			0.5	0	0.0	3
39 C	Quincy fine sand, 2 to 12 percent slopes	0.17	5	10	2.2	0.7	3	0.5	310	31.0	1
40 C	Quincy loamy fine sand, 2 to 12 percent slopes	0.17	5	10	2.2	0.7	3	0.5	134	13.4	1
41 B	Quinton loamy fine sand, 2 to 5 percent slopes	0.17	2	10	1.56	1.3	3	0.5	134	33.5	1
42 D	Quinton-Rock outcrop complex, 2 to 20 percent slopes										
42D	Quinton component	0.17	2	10	2.85	2.4	3	0.5	134	33.5	1
42D	Rock outcrop component	-	5	10	2.85			0.5	0	0.0	3
43 B	Rhea silt loam, 1 to 7 percent slopes	0.43	5	25	1.56	3.4	3	0.3	48	2.9	3
43 C	Rhea silt loam, 7 to 12 percent slopes	0.43	5	25	2.67	5.7	3	0.3	48	2.9	3
43 D	Rhea silt loam, 12 to 20 percent slopes	0.43	5	25	3.24	7.0	3	0.3	48	2.9	3
43 E	Rhea silt loam, 20 to 35 percent slopes	0.43	5	25	3.92	8.4	1	0.3	48	2.9	3
43 F	Rhea silt loam, 35 to 50 percent slopes	0.43	5	25	4.84	10.4	1	0.3	48	2.9	3
44 B	Ritzville very fine sandy loam, 2 to 7 percent slopes	0.49	5	15	1.83	2.7	3	0.5	86	8.6	1
44 C	Ritzville very fine sandy loam, 7 to 12 percent slopes	0.49	5	15	2.67	3.9	3	0.5	86	8.6	1
44 D	Ritzville very fine sandy loam, 12 to 25 percent slopes	0.49	5	15	3.76	5.5	3	0.5	86	8.6	1
45 A	Ritzville silt loam, 0 to 2 percent slopes	0.43	5	15	0.8	1.0	3	0.4	56	4.5	3
45 B	Ritzville silt loam, 2 to 7 percent slopes	0.43	5	15	1.83	2.4	3	0.4	56	4.5	3
45 C	Ritzville silt loam, 7 to 12 percent slopes	0.43	5	15	2.67	3.4	3	0.4	56	4.5	3
45 D	Ritzville silt loam, 12 to 20 percent slopes	0.43	5	15	3.24	4.2	3	0.4	56	4.5	3
46 E	Ritzville silt loam, 20 to 40 percent north slopes	0.43	5	15	4.5	5.8	3	0.4	56	4.5	3
47 E	Ritzville silt loam, 20 to 40 percent south slopes	0.43	5	15	4.5	5.8	3	0.4	56	4.5	3
48	Riverwash	-	5					0.3	0	0.0	3
49 F	Rock outcrop-Rubble land complex, very steep	-	5					0.3	0	0.0	3
50 D	Rockly very gravelly loam, 2 to 20 percent slopes	0.10	1	25	2.85	7.1	3	0.3	0	0.0	3
51 B	Royal loamy fine sand, 2 to 5 percent slopes	0.32	5	10	1.56	1.0	3	0.5	134	13.4	1
51 C	Royal loamy fine sand, 5 to 12 percent slopes	0.32	5	10	2.48	1.6	3	0.5	134	13.4	1
52 B	Royal fine sandy loam, 2 to 5 percent slopes	0.37	5	10	1.56	1.2	3	0.5	86	8.6	1
52 C	Royal fine sandy loam, 5 to 12 percent slopes	0.37	5	10	2.48	1.8	3	0.5	86	8.6	1
52 D	Royal fine sandy loam, 12 to 20 percent slopes	0.37	5	10	3.24	2.4	3	0.5	86	8.6	1
53 A	Royal silt loam, 0 to 3 percent slopes	0.49	5	10	1.16	1.1	3	0.5	56	5.6	3
54 B	Sagehill fine sandy loam, 2 to 5 percent slopes	0.32	5	10	1.56	1.0	3	0.5	86	8.6	1
54 C	Sagehill fine sandy loam, 5 to 12 percent slopes	0.32	5	10	2.48	1.6	3	0.5	86	8.6	1
54 D	Sagehill fine sandy loam, 12 to 20 percent slopes	0.32	5	10	3.24	2.1	3	0.5	86	8.6	1

MORROW COUNTY HEL LIST

SYMBOL	MAP UNIT NAME	WATER EROSION FACTORS K-ftr	T-ftr	Ave R-ftr	LSmax	EI	HEL CLASS	WIND EROSION FACTORS C	I	EI	HEL CLASS
55 B	Sagehill fine sandy loam, hummocky, 2 to 5 percent slopes	0.32	5	10	1.56	1.0	3	0.5	86	8.6	1
55 C	Sagehill fine sandy loam, hummocky, 5 to 12 percent slopes	0.32	5	10	2.48	1.6	3	0.5	86	8.6	1
56 F	Snell very stony loam, 35 to 70 percent north slopes	0.17	2	30	4.84	12.3	1	0.1	0	0.0	3
57	Snow silt loam	0.37	5	25	1.16	2.1	3	0.3	56	3.4	3
58 A	Taunton fine sandy loam, 0 to 2 percent slopes	0.32	2	15	0.8	1.9	3	0.5	86	21.5	1
58 B	Taunton fine sandy loam, 2 to 5 percent slopes	0.32	2	15	1.56	3.7	3	0.5	86	21.5	1
58 C	Taunton fine sandy loam, 5 to 12 percent slopes	0.32	2	15	2.48	6.0	3	0.5	86	21.5	1
59 B	Taunton fine sandy loam, hummocky, 0 to 5 percent slopes	0.32	2	15	1.34	3.2	3	0.5	86	21.5	1
60 C	Tolo silt loam, 3 to 15 percent slopes	0.43	5	30	2.48	6.4	3	0.1	56	1.1	3
60 E	Tolo silt loam, 15 to 35 percent slopes	0.43	5	30	4.12	10.6	1	0.1	56	1.1	3
60 F	Tolo silt loam, 35 to 60 percent slopes	0.43	5	30	4.84	12.5	1	0.1	56	1.1	3
61 E	Ukiah stony silty clay loam, 5 to 30 percent slopes	0.20	2	30	3.51	10.5	1	0.1	0	0.0	3
62 D	Utley loam, 8 to 20 percent slopes	0.28	5	30	3.17	5.3	3	0.1	48	1.0	3
63 B	Valby silt loam, 1 to 7 percent slopes	0.43	2	30	1.56	10.1	1	0.3	56	8.4	1
63 C	Valby silt loam, 7 to 12 percent slopes	0.43	2	30	2.48	16.0	1	0.3	56	8.4	1
64 D	Valby silt loam, 12 to 20 percent north slopes	0.43	2	30	3.24	20.9	1	0.3	56	8.4	1
65 D	Valby silt loam, 12 to 20 percent south slopes	0.43	2	30	3.24	20.9	1	0.3	56	8.4	1
65 E	Valby silt loam, 20 to 30 percent south slopes	0.43	2	30	4.12	26.6	1	0.3	56	8.4	1
66 B	Waha silt loam, 1 to 7 percent slopes	0.32	2	40	1.56	10.0	1	0.15	48	3.6	3
67 D	Waha silt loam, 7 to 25 percent north slopes	0.32	2	40	3.24	20.7	1	0.15	48	3.6	3
67 E	Waha silt loam, 25 to 40 percent north slopes	0.32	2	40	4.42	28.3	1	0.15	48	3.6	3
68 D	Waha silt loam, 7 to 25 percent south slopes	0.32	2	40	3.24	20.7	1	0.15	48	3.6	3
69 D	Waha-Rockly complex, 2 to 20 percent slopes										
69D	Waha component	0.32	2	40	2.85	18.2	1	0.15	48	3.6	3
69D	Rockly component	0.10	1	40	2.85	11.4	1	0.15	0	0.0	3
70 B	Warden very fine sandy loam, 2 to 5 percent slopes	0.43	5	10	1.56	1.3	3	0.5	86	8.6	1
70 C	Warden very fine sandy loam, 5 to 12 percent slopes	0.43	5	10	2.48	2.1	3	0.5	86	8.6	1
70 D	Warden very fine sandy loam, 12 to 20 percent slopes	0.43	5	10	3.24	2.8	3	0.5	86	8.6	1
71 A	Warden silt loam, 0 to 2 percent slopes	0.43	5	10	0.8	0.7	3	0.5	56	5.6	3
71 B	Warden silt loam, 2 to 5 percent slopes	0.43	5	10	1.56	1.3	3	0.5	56	5.6	3
71 C	Warden silt loam, 5 to 12 percent slopes	0.43	5	10	2.48	2.1	3	0.5	56	5.6	3
71 D	Warden silt loam, 12 to 20 percent slopes	0.43	5	10	3.24	2.8	3	0.5	56	5.6	3
71 E	Warden silt loam, 20 to 40 percent slopes	0.43	5	10	4.5	3.9	3	0.5	56	5.6	3
72 C	Warden silt loam, 3 to 12 percent slopes, eroded	0.43	5	10	2.41	2.1	3	0.5	56	5.6	3
72 D	Warden silt loam, 12 to 20 percent slopes, eroded	0.43	5	10	3.24	2.8	3	0.5	56	5.6	3
73 E	Waterbury extremely stony silt loam, 7 to 40 percent slopes	0.10	1	10	3.92	3.9	3	0.1	0	0.0	3
74 F	Waterbury-Rock outcrop complex, 40 to 70 percent slopes										
74F	Waterbury component	0.10	1	10	5.04	5.0	3	0.1	0	0.0	3
74F	Rock outcrop component	-	5	10	5.04			0.1	0	0.0	3
75 B	Willis silt loam, 2 to 5 percent slopes	0.43	2	10	1.56	3.4	3	0.5	56	14.0	1
75 C	Willis silt loam, 5 to 12 percent slopes	0.43	2	10	2.48	5.3	3	0.5	56	14.0	1
75 D	Willis silt loam, 12 to 20 percent slopes	0.43	2	10	3.24	7.0	3	0.5	56	14.0	1
76 C	Winchester sand, 0 to 12 percent slopes	0.10	5	10	1.98	0.4	3	0.5	310	31.0	1
77 F	Wrentham-Rock outcrop complex, 35 to 70 percent slopes										
77F	Wrentham component	0.37	2	25	4.84	22.4	1	0.3	48	7.2	3
77F	Rock outcrop component	-	5	25	4.84			0.3	0	0.0	3
78	Xeric Torriorthents, nearly level	-	5					0.5	86	8.6	1

- HIGHLY ERODIBLE LAND CLASSES MORROW COUNTY AREA, OREGON
1 = HIGHLY ERODIBLE LAND 049 MARCH 19, 1987
2 = POTENTIALLY HIGHLY ERODIBLE
3 = NOT HIGHLY ERODIBLE

MAP SYMBOL	SOIL NAME	%	WIND EROSIION C VALUE	I VALUE	HEL CLASS	R VALUE	K VALUE	T VALUE	WATER EROSION SLOPE-MIN.	PERCEN MAX.	SLOPE--LENGTH MIN.	MAX.	LS-MIN.	VALUE MAX.	8T/RK	HEL CLASS
2D	BAKEOVEN	1 100	0.30	0	3	30 ~~10~~	0.15	1	2	20	400	550	0.82	4.71	5.33	~~3~~ 1
3D	BAKEOVEN	1 50	0.30	0	3	~~10~~	0.15	1	2	20	400	550	0.82	4.71	5.33	~~3~~ 1
3D	MORROW	2 35	0.30	48	3	~~10~~	0.37	2	2	20	400	550	0.82	4.71	4.32	~~2~~ 1
4D	BAKEOVEN	1 50	0.30	0	3	~~10~~	0.15	1	2	20	400	550	0.82	4.71	5.33	~~3~~ 1
4D	VALBY	2 35	0.30	56	1	30	0.43	2	2	20	400	550	0.82	4.71	1.24	~~2~~ 1
5E	BOARDTREE	1 100	0.10	56	3	30	0.37	5	7	40	400	450	1.97	6.49	3.60	~~2~~ 1
6C	BOCKER	1 100	0.10	0	3	30	0.15	1	2	12	400	600	0.82	3.50	1.78	~~2~~ 1
7C	BOCKER	1 50	0.10	0	3	30	0.15	1	2	12	400	600	0.82	3.50	1.78	~~2~~ 1
7C	WRIGHTMAN	2 35	0.10	48	3	30	0.43	2	2	12	400	600	0.82	3.50	1.24	~~2~~ 1
8B	BURBANK	1 100	0.50	134	1	10	0.24	5	2	5	400	900	0.82	2.34	16.67	3
8C	BURBANK	1 100	0.50	134	1	10	0.24	5	5	12	400	600	1.56	3.50	16.67	3
10B	ELLUM	1 100	0.50	86	1	10	0.32	2	2	5	400	900	0.82	2.34	5.00	3
10C	ELLUM	1 100	0.50	86	1	10	0.32	2	5	12	400	600	1.56	3.50	5.00	3
11	ENDERSBY	1 100	0.40	86	1	20	0.32	3	0	3	400	900	0.00	1.64	3.75	3
12	ESQUATZEL	1 100	0.40	56	3	20	0.43	5	0	3	400	900	0.00	1.64	4.65	3
13D	GRAVDEN	1 100	0.50	0	3	10	0.20	1	5	20	400	550	1.56	4.71	4.00	~~2~~ 3
13E	GRAVDEN	1 100	0.50	0	3	10	0.20	1	20	40	250	450	3.18	6.49	4.00	~~2~~ 1
14E	GWIN	1 100	0.30	0	3	25	0.10	1	12	40	250	450	2.26	6.49	3.20	~~2~~ 1
15F	GWIN	1 55	0.30	0	3	25	0.10	1	40	70	200	300	4.33	6.75	3.20	1
15F	ROCK OUTCROP	2 25	0.30	0	3	25	0.02	1	40	70	200	300	4.33	6.75	16.00	3
16C	HALL RANCH	1 100	0.10	48	3	30	0.32	2	2	12	400	600	0.82	3.50	1.67	~~2~~ 1
17E	HALL RANCH	1 100	0.10	38	3	30	0.15	2	12	35	250	450	2.26	6.03	3.56	~~2~~ 1
18E	HANKINS	1 100	0.10	48	3	30	0.32	4	5	35	400	450	1.56	6.03	3.33	~~2~~ 1
19C	HELTER	1 100	0.10	56	3	30	0.49	3	3	15	400	600	1.09	4.07	1.63	~~2~~ 1
19E	HELTER	1 100	0.10	56	3	30	0.49	3	15	35	250	450	2.63	6.03	1.63	1
19F	HELTER	1 100	0.10	56	3	30	0.49	3	35	60	200	300	4.02	6.40	1.63	1
20B	HEZEL	1 100	0.50	134	1	10	0.24	5	2	5	400	900	0.82	2.34	16.67	3
20C	HEZEL	1 100	0.50	134	1	10	0.24	5	5	12	400	600	1.56	3.50	16.67	3
21B	IRRIGON	1 100	0.50	86	1	10	0.32	2	2	5	400	900	0.82	2.34	5.00	3
21C	IRRIGON	1 100	0.50	86	1	10	0.32	2	5	12	400	600	1.56	3.50	5.00	3
22	KIMBERLY	1 100	0.30	86	3	25	0.32	5	0	3	400	900	0.00	1.64	5.00	3
23D	KLICKER	1 100	0.10	0	3	30	0.24	2	2	20	400	550	0.82	4.71	2.22	~~2~~ 1
24E	KLICKER	1 100	0.10	0	3	30	0.24	2	20	40	250	450	3.18	6.49	2.22	1
24F	KLICKER	1 100	0.10	0	3	30	0.24	2	40	75	200	300	4.33	6.88	2.22	1
25E	KLICKER	1 100	0.30	0	3	30	0.15	2	20	40	250	450	3.18	6.49	3.56	~~2~~ 1
25F	KLICKER	1 100	0.10	0	3	30	0.15	2	40	75	200	300	4.33	6.88	3.56	1
26B	KOEHLER	1 100	0.50	134	1	10	0.20	2	2	5	400	900	0.82	2.34	8.00	3
26C	KOEHLER	1 100	0.50	134	1	10	0.20	2	5	12	400	600	1.56	3.50	8.00	3
27E	LABUCK	1 100	0.10	56	3	30	0.28	3	5	35	400	450	1.56	6.03	2.86	~~2~~ 1
28E	LICKSKILLET	1 100	0.30	0	3	25	0.20	1	7	40	400	450	1.97	6.49	1.60	1
29F	LICKSKILLET	1 55	0.30	0	3	25	0.15	1	40	70	200	300	4.33	6.75	2.13	1
29F	ROCK OUTCROP	2 25	0.30	0	3	25	0.02	1	40	70	200	300	4.33	6.75	16.00	3
30B	MIKKALO	1 100	0.40	56	1	15	0.43	2	2	7	400	800	0.82	2.78	2.48	~~2~~ 3
30C	MIKKALO	1 100	0.40	56	1	15	0.43	2	7	12	400	600	1.97	3.50	2.48	~~2~~ 1
30D	MIKKALO	1 100	0.40	56	1	15	0.43	2	12	20	250	550	2.26	4.71	2.48	~~2~~ 1
31B	MORROW	1 100	0.30	48	3	30	0.37	2	1	7	400	800	0.51	2.78	1.44	~~2~~ 1
31C	MORROW	1 100	0.30	48	3	30	0.37	2	7	12	400	600	1.97	3.50	1.44	1

MAP SYMBOL	SOIL NAME	*	%	C VALUE	I VALUE	HEL CLASS	R VALUE	K VALUE	T VALUE	SLOPE- MIN.	PERCEN MAX.	SLOPE--LENGTH MIN.	MAX.	LS- MIN.	VALUE MAX.	ST/RK	HEL CLASS
32D	MORROW	1	100	0.30	48	3	30	0.37	2	12	20	250	550	2.26	4.71	1.44	1
32E	MORROW	1	100	0.30	48	3	30	0.37	2	20	35	250	450	3.18	6.03	1.44	1
33D	MORROW	1	100	0.30	48	3	30	0.37	2	12	20	250	550	2.26	4.71	1.44	1
33E	MORROW	1	100	0.30	48	3	30	0.37	2	20	30	250	500	3.18	5.80	1.44	1
34F	NANSENE	1	100	0.40	56	3	20	0.43	3	35	70	200	300	4.02	6.75	2.79	1
35	ONYX	1	100	0.30	56	3	25	0.43	5	0	3	400	900	0.00	1.64	3.72	3
36	PEDIGO	1	100	0.30	86	3	25	0.37	5	0	3	400	900	0.00	1.64	4.32	3
37A	PROSSER	1	100	0.50	56	1	10	0.43	2	0	2	400	900	0.00	1.23	3.72	3
37B	PROSSER	1	100	0.50	56	1	10	0.43	2	2	7	400	800	0.82	2.78	3.72	3
38D	PROSSER	1	60	0.50	56	1	10	0.43	2	1	20	400	550	0.51	4.71	3.72	≥ 3
38D	ROCK OUTCROP	2	20	0.50	0	3	10	0.02	1	1	20	400	550	0.51	4.71	40.00	3
39C	QUINCY	1	100	0.50	310	1	10	0.17	5	2	12	400	600	0.82	3.50	23.53	3
40C	QUINCY	1	100	0.50	134	1	10	0.17	5	2	12	400	600	0.82	3.50	23.53	3
41B	QUINTON	1	100	0.50	134	1	10	0.17	2	2	5	400	900	0.82	2.34	9.41	3
42D	QUINTON	1	60	0.50	134	1	10	0.17	2	2	20	400	550	0.82	4.71	9.41	3
42D	ROCK OUTCROP	2	20	0.50	0	3	10	0.02	1	2	20	400	550	0.82	4.71	40.00	3
43B	RHEA	1	100	0.30	48	3	25	0.43	5	1	7	400	800	0.51	2.78	3.72	3
43C	RHEA	1	100	0.30	48	3	25	0.43	5	7	12	400	600	1.97	3.50	3.72	3
43D	RHEA	1	100	0.30	48	3	25	0.43	5	12	20	250	550	2.26	4.71	3.72	≥ 3
43E	RHEA	1	100	0.30	48	3	25	0.43	5	20	35	250	450	3.18	6.03	3.72	≥ 1
43F	RHEA	1	100	0.30	48	3	25	0.43	5	35	50	200	300	4.02	5.92	3.72	1
44B	RITZVILLE	1	100	0.40	86	3	15	0.49	5	2	7	400	800	0.82	2.78	5.44	3
44C	RITZVILLE	1	100	0.40	86	3	15	0.49	5	7	12	400	600	1.97	3.50	5.44	3
44D	RITZVILLE	1	100	0.40	86	3	15	0.49	5	12	25	250	500	2.26	5.19	5.44	3
45A	RITZVILLE	1	100	0.40	56	3	15	0.43	5	0	2	400	900	0.00	1.23	6.20	3
45B	RITZVILLE	1	100	0.40	56	3	15	0.43	5	2	7	400	800	0.82	2.78	6.20	3
45C	RITZVILLE	1	100	0.40	56	3	15	0.43	5	7	12	400	600	1.97	3.50	6.20	3
45D	RITZVILLE	1	100	0.40	56	3	15	0.43	5	12	20	250	550	2.26	4.71	6.20	3
46E	RITZVILLE	1	100	0.40	56	3	15	0.43	5	20	40	250	450	3.18	6.49	6.20	≥ 3
47E	RITZVILLE	1	100	0.40	56	3	15	0.43	5	20	40	250	450	3.18	6.49	6.20	≥ 3
49F	ROCK OUTCROP	1	45	0.40	0	3	10	0.02	1	40	70	200	300	4.33	6.75	40.00	3
50D	ROCKLY	1	100	0.30	0	3	25	0.10	1	2	20	400	550	0.82	4.71	3.20	≥ 3
51B	ROYAL	1	100	0.50	134	1	10	0.32	5	2	5	400	900	0.82	2.34	12.50	3
51C	ROYAL	1	100	0.50	134	1	10	0.32	5	5	12	400	600	1.56	3.50	12.50	3
52B	ROYAL	1	100	0.50	86	1	10	0.37	5	2	5	400	900	0.82	2.34	10.81	3
52C	ROYAL	1	100	0.50	86	1	10	0.37	5	5	12	400	600	1.56	3.50	10.81	3
52D	ROYAL	1	100	0.50	86	1	10	0.37	5	12	20	250	550	2.26	4.71	10.81	3
53A	ROYAL	1	100	0.50	56	3	10	0.49	5	0	3	400	900	0.00	1.64	8.16	3
54B	SAGEHILL	1	100	0.50	86	1	10	0.32	5	2	5	400	900	0.82	2.34	12.50	3
54C	SAGEHILL	1	100	0.50	86	1	10	0.32	5	5	12	400	600	1.56	3.50	12.50	3
54D	SAGEHILL	1	100	0.50	86	1	10	0.32	5	12	20	250	550	2.26	4.71	12.50	3
55B	SAGEHILL	1	100	0.50	86	1	10	0.32	5	2	5	400	900	0.82	2.34	12.50	3
55C	SAGEHILL	1	100	0.50	86	1	10	0.32	5	5	12	400	600	1.56	3.50	12.50	3
56F	SNELL	1	100	0.10	0	3	30	0.17	2	35	70	200	300	4.02	6.75	3.14	1
57	SNOW	1	100	0.30	56	3	25	0.37	5	0	3	400	900	0.00	1.64	4.32	3
58A	TAUNTON	1	100	0.50	86	1	15	0.32	2	0	2	400	900	0.00	1.23	3.33	3
58B	TAUNTON	1	100	0.50	86	1	15	0.32	2	2	5	400	900	0.82	2.34	3.33	3
58C	TAUNTON	1	100	0.50	86	1	15	0.32	2	5	12	400	600	1.56	3.50	3.33	≥ 3
59B	TAUNTON	1	100	0.50	86	1	15	0.32	2	0	5	400	900	0.00	2.34	3.33	3
60C	TOLO	1	100	0.10	56	3	30	0.43	5	3	15	400	600	1.09	4.07	3.10	≥ 3
60E	TOLO	1	100	0.10	56	3	30	0.43	5	15	35	250	450	2.63	6.03	3.10	≥ 1
60F	TOLO	1	100	0.10	56	3	30	0.43	5	35	60	200	300	4.02	6.40	3.10	1
61E	UKIAH	1	100	0.10	0	3	30	0.20	2	5	30	400	500	1.56	5.80	2.67	≥ 1
62D	UTLEY	1	100	0.10	48	3	30	0.28	5	8	20	400	550	2.16	4.71	4.76	3

MAP SYMBOL	SOIL NAME	*	%	C VALUE	I VALUE	HEL CLASS	R VALUE	K VALUE	T VALUE	SLOPE- PERCEN MIN.	SLOPE- PERCEN MAX.	SLOPE--LENGTH MIN.	SLOPE--LENGTH MAX.	LS- VALUE MIN.	LS- VALUE MAX.	ST/RK	HEL CLASS
63B	VALBY	1	100	0.30	56	1	30	0.43	2	1	7	400	800	0.51	2.78	1.24	~~2~~ 1
63C	VALBY	1	100	0.30	56	1	30	0.43	2	7	12	400	600	1.97	3.50	1.24	1
64D	VALBY	1	100	0.30	56	1	30	0.43	2	12	20	250	550	2.26	4.71	1.24	1
65D	VALBY	1	100	0.30	56	1	30	0.43	2	12	20	250	550	2.26	4.71	1.24	1
65E	VALBY	1	100	0.30	56	1	30	0.43	2	20	30	250	500	3.18	5.80	1.24	1
66B	WAHA	1	100	0.15	48	3	40	0.32	2	1	7	400	800	0.51	2.78	1.25	~~2~~ 1
67D	WAHA	1	100	0.15	48	3	40	0.32	2	7	25	400	500	1.97	5.19	1.25	1
67E	WAHA	1	100	0.15	48	3	40	0.32	2	25	40	250	450	3.67	6.49	1.25	1
68D	WAHA	1	100	0.15	48	3	40	0.32	2	7	25	400	500	1.97	5.19	1.25	1
69D	WAHA	1	50	0.15	48	3	40	0.32	2	2	20	400	550	0.82	4.71	1.25	~~2~~ 1
69D	ROCKLY	2	30	0.30	0	3	25	0.10	1	2	20	400	550	0.82	4.71	3.20	~~2~~ 1
70B	WARDEN	1	100	0.50	86	1	10	0.43	5	2	5	400	900	0.82	2.34	9.30	3
70C	WARDEN	1	100	0.50	86	1	10	0.43	5	5	12	400	600	1.56	3.50	9.30	3
70D	WARDEN	1	100	0.50	86	1	10	0.43	5	12	20	250	550	2.26	4.71	9.30	3
71A	WARDEN	1	100	0.50	56	3	10	0.43	5	0	2	400	900	0.00	1.23	9.30	3
71B	WARDEN	1	100	0.50	56	3	10	0.43	5	2	5	400	900	0.82	2.34	9.30	3
71C	WARDEN	1	100	0.50	56	3	10	0.43	5	5	12	400	600	1.56	3.50	9.30	3
71D	WARDEN	1	100	0.50	56	3	10	0.43	5	12	20	250	450	3.18	6.49	9.30	3
71E	WARDEN	1	100	0.50	56	3	10	0.43	5	20	40	250	450	3.18	6.49	9.30	3
72C	WARDEN	1	100	0.50	56	3	10	0.43	5	3	12	400	600	1.09	3.50	9.30	3
72D	WARDEN	1	100	0.50	56	3	10	0.43	5	12	30	250	500	2.26	5.80	9.30	3
73E	WATERBURY	1	100	0.10	0	3	10	0.10	1	7	40	400	450	1.97	6.49	8.00	3
74F	WATERBURY	1	55	0.10	0	3	10	0.10	1	40	70	200	300	4.33	6.75	8.00	3
74F	ROCK OUTCROP	2	20	0.10	0	3	10	0.02	1	40	70	200	300	4.33	6.75	40.00	3
75B	WILLIS	1	100	0.50	56	1	10	0.43	2	2	5	400	900	0.82	2.34	3.72	3
75C	WILLIS	1	100	0.50	56	1	10	0.43	2	5	12	400	600	1.56	3.50	3.72	3
75D	WILLIS	1	100	0.50	56	1	10	0.43	2	12	20	250	550	2.26	4.71	3.72	~~2~~ 3
76C	WINCHESTER	1	100	0.50	310	1	10	0.10	5	0	12	400	600	0.00	3.50	40.00	3
77F	WRENTHAM	1	55	0.30	48	3	25	0.37	2	35	70	200	300	4.02	6.75	1.73	1