Highly Erodible Land determinations—South Klamath Falls Soil Survey: OR640

Refer to the 1987 list first and if **wind or water** "HEL CLASS" is "1" the soil is HEL. The far right column is water only "HEL CLASS", refer to the wind "HEL CLASS" column as well. If water erosion is in class "2" then refer to the 1994 list, below. This list shows only the class "2" HEL by water soils. If "PHEL Value" column is equal to or greater than 8 then the soil is HEL, less than 8 is NONHEL. **Do not use the 1994 list for wind erosion determinations.**

- HIGHLY ERODIBLE LAND CLASSES
1 = HIGHLY ERODIBLE LAND
2 = POTENTIALLY HIGHLY ERODIBLE
3 = NOT HIGHLY ERODIBLE

KLAMATH COUNTY, S. PT. 640

HIGHLY ERODIBLE AND POTENTIALLY HIGHLY ERODIBLE LAND CACULATOR VER 1.1

Rc MARCH 17, 1987

MAP SYMBOL	SOIL NAME	*	%	WIND EROSIION C VALUE	I VALUE	HEL CLASS	R VALUE	K VALUE	T VALUE	WATER EROSION SLOPE- PERCEN MIN.	MAX.	SLOPE--LENGTH MIN.	MAX.	LS- VALUE MIN.	MAX.	ST/RK	HEL CLASS
1	ALGOMA	1	100	0.30	86	3	40	0.28	5	0	1	400	900	0.00	0.76	3.57	3
2A	BARKLEY	1	100	0.20	56	3	40	0.17	3	0	2	400	900	0.00	1.23	3.53	3
2B	BARKLEY	1	100	0.20	56	3	40	0.17	3	2	8	400	800	0.82	3.05	3.53	3
3	BEDNER	1	100	0.30	86	1	40	0.20	2	0	1	400	900	0.00	0.76	2.00	3
4A	BLY	1	100	0.10	48	3	40	0.24	4	0	2	400	900	0.00	1.23	3.33	3
4B	BLY	1	100	0.10	48	3	40	0.24	4	2	8	400	800	0.82	3.05	3.33	3
5~~B~~	CALDER	1	100	0.30	48	1	40	0.37	1	0	1	400	900	0.00	0.76	0.54 ?	2
6A	CALIMUS	1	100	0.20	86	3	40	0.24	5	0	2	400	900	0.00	1.23	4.17	3
6B	CALIMUS	1	100	0.20	86	3	40	0.24	5	2	5	400	900	0.82	2.34	4.17	3
6C	CALIMUS	1	100	0.20	86	3	40	0.24	5	5	15	400	600	1.56	4.07	4.17	3
7A	CALIMUS	1	100	0.20	56	3	40	0.24	5	0	2	400	900	0.00	1.23	4.17	3
7B	CALIMUS	1	100	0.20	56	3	40	0.24	5	2	5	400	900	0.82	2.34	4.17	3
7C	CALIMUS	1	100	0.20	56	3	40	0.24	5	2	15	400	600	0.82	4.07	4.17	3
8D	CALIMUS	1	55	0.20	56	3	40	0.24	5	15	35	250	450	2.63	6.03	4.17	~~2~~ 1
8D	CAPONA	2	35	0.30	56	1	40	0.32	2	15	35	250	450	2.63	6.03	1.25	1
9A	CAPONA	1	100	0.30	56	1	40	0.32	2	0	2	400	900	0.00	1.23	1.25	3
9B	CAPONA	1	100	0.30	56	1	40	0.32	2	2	5	400	900	0.82	2.34	1.25	2
9C	CAPONA	1	100	0.30	56	1	40	0.32	2	5	15	400	600	1.56	4.07	1.25	1
10	CHILOQUIN	1	100	0.10	48	3	40	0.28	5	0	1	400	900	0.00	0.76	3.57	3
11D	CHOPTIE	1	100	0.10	56	3	40	0.28	1	2	20	400	550	0.82	4.71	0.71	1
12	COLLIER	1	100	0.10	86	3	40	0.15	5	0	3	400	900	0.00	1.64	6.67	3
13A	CRUME	1	100	0.10	56	3	40	0.20	4	0	2	400	900	0.00	1.23	4.00	3
13B	CRUME	1	100	0.10	56	3	40	0.28	4	2	8	400	800	0.82	3.05	2.86	~~2~~ 3
14B	CRUME VARIANT	1	100	0.10	86	3	40	0.20	4	2	12	400	600	0.82	3.50	4.00	3
15E	DEHLINGER	1	100	0.20	0	3	40	0.20	5	15	65	250	300	2.63	6.58	5.00	~~2~~ 1
16E	DEHLINGER	1	100	0.20	0	3	40	0.20	5	15	65	250	300	2.63	6.58	5.00	~~2~~ 1
17A	DETER	1	100	0.30	38	3	40	0.20	3	0	2	400	900	0.00	1.23	3.00	3
17B	DETER	1	100	0.30	48	3	40	0.20	5	2	7	400	800	0.82	2.78	5.00	3
18A	DODES	1	100	0.30	48	3	40	0.28	3	0	2	400	900	0.00	1.23	2.14	3
18B	DODES	1	100	0.30	48	3	40	0.28	3	2	15	400	600	0.82	4.07	2.14	~~2~~ 1
19A	FORDNEY	1	100	0.30	134	1	40	0.15	4	0	2	400	900	0.00	1.23	5.33	3
19C	FORDNEY	1	100	0.30	134	1	40	0.15	4	2	20	400	550	0.82	4.71	5.33	3
20A	FORDNEY	1	100	0.30	134	1	40	0.15	4	0	3	400	900	0.00	1.64	5.33	3
21E	FUEGO	1	55	0.10	0	3	40	0.10	2	5	40	400	450	1.56	6.49	4.00	~~2~~ 1
21E	ROCK OUTCROP	2	25	0.10	0	3	40	0.02	1	5	40	400	450	1.56	6.49	10.00	3
22A	HARRIMAN	1	100	0.30	134	1	40	0.20	3	0	2	400	900	0.00	1.23	3.00	3
23A	HARRIMAN	1	100	0.30	56	3	40	0.24	3	0	2	400	900	0.00	1.23	2.50	3
23B	HARRIMAN	1	100	0.30	56	3	40	0.24	3	2	5	400	900	0.82	2.34	2.50	3
23C	HARRIMAN	1	100	0.30	56	3	40	0.24	3	5	15	400	600	1.56	4.07	2.50	~~2~~ 1
24E	HARRIMAN	1	55	0.30	56	3	40	0.24	3	5	35	400	450	1.56	6.03	2.50	~~2~~ 1
24E	LORELLA	2	25	0.20	0	3	40	0.15	1	5	35	400	450	1.56	6.03	1.33	1
25	HENLEY	1	100	0.30	134	1	40	0.37	2	0	2	400	900	0.00	1.23	1.08	2
26	HENLEY	1	100	0.30	86	1	40	0.32	2	0	2	400	900	0.00	1.23	1.25	3
27	HENLEY	1	60	0.30	86	1	40	0.10	2	0	2	400	900	0.00	1.23	4.00	3
27	LAKI	2	40	0.30	86	3	40	0.24	5	0	2	400	900	0.00	1.23	4.17	3
28	HENLEY	1	60	0.30	86	1	40	0.32	2	0	2	400	900	0.00	1.23	1.25	3
28	LAKI	2	40	0.30	56	3	40	0.24	5	0	2	400	900	0.00	1.23	4.17	3

NOTE: USED AVERAGE SLOPE LENGTH & % TO CALCULATE WHETHER 2'S WERE 1 OR 3

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
29	HENLEY VARIANT	1	100	0.30	48	3	40	0.32	2	0	2	400	900	0.00	1.23	1.25	3
31	HOSLEY	1	100	0.30	48	3	40	0.28	5	0	1	400	900	0.00	0.76	3.57	3
32	KIRK	1	100	0.10	56	3	40	0.24	5	0	1	400	900	0.00	0.76	4.17	3
33	KIRK	1	70	0.10	56	3	40	0.24	5	0	1	400	900	0.00	0.76	4.17	3
33	CHOCK	2	20	0.10	56	3	40	0.28	5	0	1	400	900	0.00	0.76	3.57	3
34	KLAMATH	1	35	0.10	86	3	40	0.20	5	0	1	400	900	0.00	0.76	5.00	3
34	ONTKO	2	30	0.10	38	3	40	0.24	5	0	1	400	900	0.00	0.76	4.17	3
34	DILMAN	3	15	0.10	38	3	40	0.24	5	0	1	400	900	0.00	0.76	4.17	3
35	KLAMATH VARIANT	1	100	0.10	38	3	40	0.20	5	0	1	400	900	0.00	0.76	5.00	3
36	LAKEVIEW	1	100	0.30	38	3	40	0.28	5	0	1	400	900	0.00	0.76	3.57	3
37	LAKI	1	100	0.30	86	3	40	0.24	5	0	2	400	900	0.00	1.23	4.17	3
38	LAKI	1	100	0.30	56	3	40	0.24	5	0	2	400	900	0.00	1.23	4.17	3
39	LAKI	1	60	0.30	56	3	40	0.24	5	0	2	400	900	0.00	1.23	4.17	3
39	BEDNER	2	30	0.30	86	1	40	0.20	2	0	1	400	900	0.00	0.76	2.00	3
40	LAKI	1	60	0.30	56	3	40	0.24	5	0	2	400	900	0.00	1.23	4.17	3
40	HENLEY	2	40	0.30	86	1	40	0.32	2	0	2	400	900	0.00	1.23	1.25	3
41C	LAKI VARIANT	1	100	0.30	86	3	40	0.32	5	2	20	400	550	0.82	4.71	3.13	~~2~~ 3
42B	LAPINE	1	100	0.10	56	3	40	0.10	5	1	10	400	600	0.51	3.09	10.00	3
43E	LAPINE	1	100	0.10	56	3	40	0.10	5	10	40	250	450	1.99	6.49	10.00	3
44E	LAPINE	1	100	0.10	56	3	40	0.10	5	10	35	250	450	1.99	6.03	10.00	3
45F	LAPINE	1	100	0.10	56	3	40	0.10	5	35	55	200	300	4.02	6.18	10.00	3
46	LATHER	1	100	0.10	134	3	40	0.05	5	0	1	400	900	0.00	0.76	20.00	3
47A	LOBERT	1	100	0.10	86	3	40	0.24	5	0	2	400	900	0.00	1.23	4.17	3
47B	LOBERT	1	100	0.10	86	3	40	0.24	5	2	12	400	600	0.82	3.50	4.17	3
48A	LOBERT	1	100	0.10	48	3	40	0.24	5	0	2	400	900	0.00	1.23	4.17	3
48B	LOBERT	1	100	0.10	48	3	40	0.24	5	2	5	400	900	0.82	2.34	4.17	3
48C	LOBERT	1	100	0.10	48	3	40	0.24	5	5	15	400	600	1.56	4.07	4.17	3
48D	LOBERT	1	100	0.10	48	3	40	0.24	5	15	25	250	500	2.63	5.19	4.17	~~2~~ 3
49C	LORELLA	1	100	0.20	48	1	40	0.32	1	1	15	400	600	0.51	4.07	0.63	~~2~~ 1
50E	LORELLA	1	100	0.20	0	3	40	0.15	1	2	35	400	450	0.82	6.03	1.33	~~2~~ 1
51E	LORELLA	1	60	0.20	0	3	40	0.15	1	15	35	250	450	2.63	6.03	1.33	1
51E	CALIMUS	2	25	0.20	56	3	40	0.24	5	15	35	250	450	2.63	6.03	4.17	2
52B	MAKLAK	1	100	0.10	134	3	40	0.10	5	1	12	400	600	0.51	3.50	10.00	3
53	MALIN	1	100	0.30	38	3	40	0.32	5	0	1	400	900	0.00	0.76	3.13	3
54	MALIN VARIANT	1	100	0.30	48	3	40	0.28	5	0	1	400	900	0.00	0.76	3.57	3
55B	MASET	1	100	0.10	86	3	40	0.20	2	1	12	400	600	0.51	3.50	2.00	~~2~~ 1
55E	MASET	1	100	0.10	86	3	40	0.20	2	12	45	250	300	2.26	5.63	2.00	1
56E	MASET	1	100	0.10	86	3	40	0.20	2	12	35	250	450	2.26	6.03	2.00	1
57B	MERLIN	1	60	0.10	0	3	40	0.10	1	1	8	400	800	0.51	3.05	2.00	~~2~~ 3
57B	YANCY	2	30	0.10	38	3	40	0.20	2	1	8	400	800	0.51	3.05	2.00	~~2~~ 3
58A	MODOC	1	100	0.30	86	1	40	0.32	2	0	2	400	900	0.00	1.23	1.25	3
58B	MODOC	1	100	0.30	86	1	40	0.32	2	2	5	400	900	0.82	2.34	1.25	2
58C	MODOC	1	100	0.30	86	1	40	0.32	2	5	9	400	800	1.56	3.31	1.25	1
59B	NUSS	1	65	0.10	48	3	40	0.24	1	1	8	400	800	0.51	3.05	0.83	~~2~~ 1
59B	ROYST	2	20	0.10	0	3	40	0.15	3	1	8	400	800	0.51	3.05	4.00	3
60B	OATMAN	1	100	0.10	0	3	40	0.10	5	5	45	400	450	1.56	6.90	10.00	3
61	PIT	1	100	0.30	0	3	40	0.24	5	0	1	400	900	0.00	0.76	4.17	3
62	POE	1	100	0.30	134	1	40	0.17	2	0	2	400	900	0.00	1.23	2.35	3
63	POE	1	100	0.30	86	1	40	0.24	2	0	1	400	900	0.00	0.76	1.67	3
64	POE VARIANT	1	100	0.30	134	1	40	0.24	4	0	1	400	900	0.00	0.76	3.33	3
65B	PONINA	1	70	0.10	0	3	40	0.24	1	1	8	400	800	0.51	3.05	0.83	~~2~~ 1
65B	ROCK OUTCROP	2	15	0.10	0	3	40	0.02	1	1	8	400	800	0.51	3.05	10.00	3
66F	ROCK OUTCROP	1	45	0.10	0	3	40	0.02	1	1	8	400	800	0.51	3.05	10.00	3
66F	DEHLINGER	2	40	0.20	0	3	40	0.20	5	35	65	200	300	4.02	6.58	5.00	~~2~~ 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
******	**********	*	***	*****	******	*****	******	******	*****	******	*****	******	******	*****	*****	*****	****
67E	ROCK OUTCROP	1	70	0.20	0	3	40	0.02	1	5	40	400	450	1.56	6.49	10.00	3
67E	NUSS	2	30	0.10	48	3	40	0.24	1	5	40	400	450	1.56	6.49	0.83	1
68E	ROYST	1	100	0.10	0	3	40	0.15	3	5	40	400	450	1.56	6.49	4.00	~~2~~ 1
69E	ROYST	1	100	0.10	0	3	40	0.15	3	5	40	400	450	1.56	6.49	4.00	~~2~~ 1
70	SCHERRARD	1	100	0.30	86	1	40	0.37	3	0	1	400	900	0.00	0.76	1.62	3
71B	SHANAHAN	1	100	0.10	134	3	40	0.10	5	1	12	400	600	0.51	3.50	10.00	3
71E	SHANAHAN	1	100	0.10	134	3	40	0.10	5	12	45	250	450	2.26	6.90	10.00	3
72E	SHANAHAN	1	100	0.10	134	3	40	0.10	5	12	45	250	450	2.26	6.90	10.00	3
73B	STEIGER	1	100	0.10	310	3	40	0.10	5	1	15	400	600	0.51	4.07	10.00	3
74B	STUKEL	1	55	0.30	56	1	40	0.24	1	2	15	400	600	0.82	4.07	0.83	2
74D	STUKEL	1	65	0.30	56	1	40	0.24	1	15	25	250	500	2.63	5.19	0.83	1
74B	CAPONA	2	30	0.30	56	1	40	0.32	2	2	15	400	600	0.82	4.07	1.25	2
74D	CAPONA	2	20	0.30	56	1	40	0.32	2	15	25	250	500	2.63	5.19	1.25	1
75	SYCAN	1	100	0.10	86	3	40	0.10	5	0	2	400	900	0.00	1.23	10.00	3
76	SYCAN VARIANT	1	100	0.10	86	3	40	0.10	5	0	2	400	900	0.00	1.23	10.00	3
77	TEETERS	1	100	0.30	56	3	40	0.43	5	0	1	400	900	0.00	0.76	2.33	3
78	TULANA	1	100	0.30	56	3	40	0.43	5	0	1	400	900	0.00	0.76	2.33	3
79	TULANA	1	100	0.30	56	3	40	0.43	5	0	1	400	900	0.00	0.76	2.33	3
80	TUTNI	1	100	0.10	134	3	40	0.15	5	0	1	400	900	0.00	0.76	6.67	3
81B	WOODCOCK	1	100	0.10	48	3	40	0.20	5	1	5	400	900	0.51	2.34	5.00	3
81E	WOODCOCK	1	100	0.10	48	3	40	0.20	5	5	40	400	450	1.56	6.49	5.00	~~2~~ 3
82E	WOODCOCK	1	100	0.10	48	3	40	0.20	5	5	40	400	450	1.56	6.49	5.00	~~2~~ 3
83F	WOODCOCK	1	70	0.10	48	3	40	0.20	5	40	60	200	300	4.33	6.40	5.00	~~2~~ 1
83F	ROCK OUTCROP	2	30	0.10	0	3	40	0.02	1	40	60	200	300	4.33	6.40	10.00	3
84F	WOODCOCK	1	60	0.10	48	3	40	0.20	5	40	60	200	300	4.33	6.40	5.00	~~2~~ 1
84F	ROCK OUTCROP	2	30	0.10	0	3	40	0.02	1	40	60	200	300	4.33	6.40	10.00	3
86C	YAINAX	1	100	0.10	48	3	40	0.43	3	1	15	400	600	0.51	4.07	1.40	~~2~~ 1
87A	YANCY	1	100	0.10	38	3	40	0.20	2	0	2	400	900	0.00	1.23	2.00	3
87B	YANCY	1	100	0.10	38	3	40	0.20	2	2	8	400	800	0.82	3.05	2.00	~~2~~ 1
88E	YAWHEE	1	100	0.10	86	3	40	0.10	5	3	40	400	450	1.09	6.49	10.00	3
89	YONNA	1	100	0.10	56	3	40	0.28	5	0	1	400	900	0.00	0.76	3.57	3
90	ZUMAN	1	100	0.30	86	3	40	0.20	4	0	1	400	900	0.00	0.76	4.00	3
91	ZUMAN	1	100	0.30	48	3	40	0.43	4	0	1	400	900	0.00	0.76	1.86	3
92	ZUMAN	1	100	0.30	38	3	40	0.32	4	0	1	400	900	0.00	0.76	2.50	3

Klamath County, S. PT. Area
Highly Erodible Land Classes
June 9, 1993

1 = Highly Erodible Land
2 = Potentially Highly Erodible
3 = Not Highly Erodible

Map Symbol	Soil Name	Percent	Wind Erosion C Value	Wind Erosion I Value	Average	Hel Class	K Value	R Value	T Value	Water Erosion Slope Minimum	Slope Maximum	Length Minimum	Length Maximum	LS-Value Minimum	Maximum	Average	E.I.	Hel Class	PHel Value
5	CALDER	100	0.30	48	24.3	1	0.37	40	1	0	1	400	900	0.00	0.76	0.38	0.54	2	5.62
8D	CALIMUS	55	0.20	56	28.2	1	0.24	40	5	15	35	250	450	2.63	6.03	4.33	4.17	2	8.31
9B	CAPONA	100	0.30	56	28.3	1	0.32	40	2	2	5	400	900	0.82	2.34	1.58	1.25	2	10.11
13B	CRUME	100	0.10	56	28.1	1	0.28	40	4	2	8	400	800	0.82	3.05	1.93	2.86	2	5.42
15E	DEHLINGER	100	0.20	0	0.2	3	0.20	40	5	15	65	250	300	2.63	6.58	4.60	5.00	2	7.37
16E	DEHLINGER	100	0.20	0	0.2	3	0.20	40	5	15	65	250	300	2.63	6.58	4.60	5.00	2	7.37
18B	DODES	100	0.30	48	24.3	1	0.28	40	3	2	15	400	600	0.82	4.07	2.44	2.14	2	9.13
21E	FUEGO	55	0.10	0	0.1	3	0.10	40	2	5	40	400	450	1.56	6.49	4.02	4.00	2	8.05
24E	HARRIMAN	55	0.30	56	28.3	1	0.24	40	3	5	35	400	450	1.56	6.03	3.79	2.50	2	12.14
25	HENLEY	100	0.30	134	67.3	1	0.37	40	2	0	2	400	900	0.00	1.23	0.61	1.08	2	4.55
41C	LAKI VARIANT	100	0.30	86	43.3	1	0.32	40	5	2	20	400	550	0.82	4.71	2.76	3.12	2	7.08
48D	LOBERT	100	0.10	48	24.1	1	0.24	40	5	15	25	250	500	2.63	5.19	3.91	4.17	2	7.51
49C	LORELLA	100	0.20	48	24.2	1	0.32	40	1	1	15	400	600	0.51	4.07	2.29	0.62	2	29.31
50E	LORELLA	100	0.20	0	0.2	3	0.15	40	1	2	35	400	450	0.82	6.03	3.42	1.33	2	20.55
51E	CALIMUS	25	0.20	56	28.2	1	0.24	40	5	15	35	250	450	2.63	6.03	4.33	4.17	2	8.31
55B	MASET	100	0.10	86	43.1	1	0.20	40	2	1	12	400	600	0.51	3.50	2.00	2.00	2	8.02
57B	MERLIN	60	0.10	0	0.1	3	0.10	40	1	1	8	400	800	0.51	3.05	1.78	2.00	2	7.12
57B	YANCY	30	0.10	38	19.1	1	0.20	40	2	1	8	400	800	0.51	3.05	1.78	2.00	2	7.12
58B	MODOC	100	0.30	86	43.3	1	0.32	40	2	2	5	400	900	0.82	2.34	1.58	1.25	2	10.11
59B	NUSS	65	0.10	48	24.1	1	0.24	40	1	1	8	400	800	0.51	3.05	1.78	0.83	2	17.09
65B	PONINA	70	0.10	0	0.1	3	0.24	40	1	1	8	400	800	0.51	3.05	1.78	0.83	2	17.09
66F	DEHLINGER	40	0.20	0	0.2	3	0.20	40	5	35	65	200	300	4.02	6.58	5.30	5.00	2	8.48
68E	ROYST	100	0.10	0	0.1	3	0.15	40	3	5	40	400	450	1.56	6.49	4.02	4.00	2	8.05
69E	ROYST	100	0.10	0	0.1	3	0.15	40	3	5	40	400	450	1.56	6.49	4.02	4.00	2	8.05
74B	STUKEL	55	0.30	56	28.3	1	0.24	40	1	2	15	400	600	0.82	4.07	2.44	0.83	2	23.47
74B	CAPONA	30	0.30	56	28.3	1	0.32	40	2	2	15	400	600	0.82	4.07	2.44	1.25	2	15.65
81E	WOODCOCK	100	0.10	48	24.1	1	0.20	40	5	5	40	400	450	1.56	6.49	4.02	5.00	2	6.44
82E	WOODCOCK	100	0.10	48	24.1	1	0.20	40	5	5	40	400	450	1.56	6.49	4.02	5.00	2	6.44
23C	Harriman	100	0.30	56		3	0.24	40	3	5	15	400	600	1.56	4.07	2.81	2.50	2	8.99

83F	WOODCOCK	70	0.10	48	24.1	1	0.20	40	5	40	60	200	300	4.33	6.40	5.36	5.00	2	8.58
84F	WOODCOCK	60	0.10	48	24.1	1	0.20	40	5	40	60	200	300	4.33	6.40	5.36	5.00	2	8.58
86C	YAINAX	100	0.10	48	24.1	1	0.43	40	3	1	15	400	600	0.51	4.07	2.29	1.40	2	13.13
87B	YANCY	100	0.10	38	19.1	1	0.20	40	2	2	8	400	800	0.82	3.05	1.93	2.00	2	7.74