OR 629

Hood River County Area
Highly Erodible Land Classes
March 6, 1987

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	Wind Erosion Average	Wind Erosion Hel Class	K Value	R Value	T Value	Water Erosion Slope Minimum	Water Erosion Slope Maximum	Water Erosion Length Minimum	Water Erosion Length Maximum	LS-Value Minimum	LS-Value Maximum	LS-Value Average	E.I.	Hel Class	PHel Value
1E*	BALD	100	0.03	0	0.00	3	0.24	55	2	5	45	400	450	1.07	20.00	10.54	1.21	2	69.53
2F*	BALD	100	0.03	0	0.00	3	0.15	55	2	45	75	100	300	9.43	26.03	17.73	1.94	1	73.14
3E*	BINS	55	0.03	48	0.48	3	0.28	55	3	1	30	400	500	0.20	13.12	6.66	1.56	2	34.19
3F*	BINS	45	0.03	48	0.48	3	0.28	55	3	30	60	200	300	8.30	21.73	15.02	1.56	1	77.08
3E*	BINDLE	30	0.03	48	0.48	3	0.20	55	3	1	30	400	500	0.20	13.12	6.66	2.18	2	24.42
3F*	BINDLE	40	0.03	48	0.48	3	0.20	55	3	30	70	200	300	8.30	24.73	16.52	2.18	1	60.55
4E*	BODELL	100	0.03	48	1.44	3	0.17	55	1	5	45	400	450	1.07	20.00	10.54	0.86	1	98.50
5F*	BODELL	100	0.03	0	0.00	3	0.17	55	1	45	75	100	300	9.43	26.03	17.73	0.86	1	165.78
6B	CULBERTSON	100	0.03	48	0.29	3	0.24	35	5	0	8	400	800	0.09	2.80	1.44	4.76	3	2.43
6C	CULBERTSON	100	0.03	48	0.29	3	0.24	35	5	8	12	400	600	1.98	4.27	3.12	4.76	3	5.25
6D	CULBERTSON	100	0.03	48	0.29	3	0.24	35	5	12	20	250	550	2.75	8.16	5.46	4.76	2	9.16
6E	CULBERTSON	100	0.03	48	0.29	3	0.24	35	5	20	30	250	500	5.50	13.12	9.31	4.76	1	15.64
6F	CULBERTSON	100	0.03	48	0.29	3	0.24	35	5	30	50	200	300	8.30	18.24	13.27	4.76	1	22.29
7A*	CUMULIC HAPLAQUOLL	100	0.03	56	0.34	3	0.32	35	5	0	3	400	900	0.09	0.55	0.32	3.57	3	0.72
8A*	CUMULIC HAPLAQUOLL	100	0.03	56	0.34	3	0.32	35	5	0	3	400	900	0.09	0.55	0.32	3.57	3	0.72
9B	DEE	100	0.03	48	0.29	3	0.49	55	5	0	8	400	800	0.09	2.80	1.44	1.48	2	7.79
9C	DEE	100	0.03	48	0.29	3	0.49	55	5	8	12	400	600	1.98	4.27	3.12	1.48	1	16.84
10E*	DIVERS	100	0.03	48	0.29	3	0.10	100	5	3	30	400	500	0.43	13.12	6.77	4.00	2	13.55
10F*	DIVERS	100	0.03	48	0.48	3	0.10	100	3	30	65	200	300	8.30	23.29	15.79	2.40	1	52.65
11F*	FRAILEY	100	0.03	48	0.48	3	0.32	55	3	30	70	200	300	8.30	24.73	16.52	1.36	1	96.89
12A	HOOD	100	0.03	48	0.29	3	0.43	35	5	0	3	400	900	0.09	0.55	0.32	2.66	3	0.96
12B	HOOD	100	0.03	48	0.29	3	0.43	35	5	3	8	400	800	0.43	2.80	1.61	2.66	2	4.86
12C	HOOD	100	0.03	48	0.29	3	0.43	35	5	8	12	400	600	1.98	4.27	3.12	2.66	2	9.41
12D	HOOD	100	0.03	48	0.29	3	0.43	35	5	12	20	250	550	2.75	8.16	5.46	2.66	1	16.42
12E	HOOD	100	0.03	48	0.29	3	0.43	35	5	20	40	250	450	5.50	17.55	11.52	2.66	1	34.69
13E*	HUTSON	100	0.03	86	0.52	3	0.20	100	5	0	30	400	500	0.09	13.12	6.60	2.00	2	26.42
13F*	HUTSON	100	0.03	86	0.52	3	0.20	100	5	30	65	200	300	8.30	23.29	15.79	2.00	1	63.18
14E*	KETCHLY	100	0.03	48	0.29	3	0.32	55	5	3	30	400	500	0.43	13.12	6.77	2.27	2	23.85

14F*	KETCHLY	100	0.03	48	0.36	3	0.32	55	4	30	65	200	300	8.30	23.29	15.79	1.82	1	69.50
16B	OAK GROVE	100	0.03	48	0.36	3	0.32	35	4	0	8	400	800	0.09	2.80	1.44	2.86	3	4.05
16C	OAK GROVE	100	0.03	48	0.29	3	0.32	35	5	8	12	400	600	1.98	4.27	3.12	3.57	2	7.00
16D	OAK GROVE	100	0.03	48	0.29	3	0.32	35	5	12	20	250	550	2.75	8.16	5.46	3.57	2	12.22
16E	OAK GROVE	100	0.03	48	0.29	3	0.32	35	5	20	35	250	450	5.50	15.02	10.26	3.57	1	22.98
16F	OAK GROVE	100	0.03	48	0.29	3	0.32	35	5	35	60	200	300	10.01	21.73	15.87	3.57	1	35.55
17B	PARKDALE	100	0.03	56	0.34	3	0.43	55	5	0	8	400	800	0.09	2.80	1.44	1.69	2	6.83
17C	PARKDALE	100	0.03	56	0.34	3	0.43	55	5	8	12	400	600	1.98	4.27	3.12	1.69	1	14.78
17D	PARKDALE	100	0.03	56	0.34	3	0.43	55	5	12	20	250	550	2.75	8.16	5.46	1.69	1	25.80
17E	PARKDALE	100	0.03	56	0.34	3	0.43	55	5	20	40	250	450	5.50	17.55	11.52	1.69	1	54.51
19E*	ROCK OUTCROP	55	0.03	0	0.00	3	0.02	55	5	5	30	400	500	1.07	13.12	7.09	36.36	3	1.56
19E*	BODELL	20	0.03	48	1.44	3	0.17	55	1	5	30	400	500	1.07	13.12	7.09	0.86	1	66.34
19E*	BALD	15	0.03	0	0.00	3	0.15	55	1	5	30	400	500	1.07	13.12	7.09	0.97	1	58.53
20*	ROCK OUTCROP	65	0.03	0	0.00	3	0.02	55	2	30	100	200	300	8.30	30.80	19.55	14.54	2	10.75
21B	ROCKFORD	100	0.03	38	1.14	3	0.17	35	1	0	8	400	800	0.09	2.80	1.44	1.34	2	8.60
21C	ROCKFORD	100	0.03	38	0.28	3	0.17	35	4	8	12	400	600	1.98	4.27	3.12	5.38	3	4.65
22E*	ROCKFORD	100	0.03	0	0.00	3	0.10	35	4	0	30	400	500	0.09	13.12	6.60	9.14	2	5.78
23B	VAN HORN	100	0.03	56	0.42	3	0.24	35	4	0	8	400	800	0.09	2.80	1.44	3.81	3	3.03
23C	VAN HORN	100	0.03	56	0.34	3	0.24	35	5	8	12	400	600	1.98	4.27	3.12	4.76	3	5.25
24B	VAN HORN VARIANT	100	0.03	48	0.29	3	0.32	35	5	0	8	400	800	0.09	2.80	1.44	3.57	3	3.24
25C	WAMIC VARIANT	100	0.03	48	0.48	3	0.43	55	3	5	12	400	600	1.07	4.27	2.67	1.01	1	21.05
25D	WAMIC VARIANT	100	0.03	48	0.36	3	0.43	55	4	12	20	250	550	2.75	8.16	5.46	1.35	1	32.25
25E	WAMIC VARIANT	100	0.03	48	0.36	3	0.43	55	4	20	40	250	450	5.50	17.55	11.52	1.35	1	68.14
26B	WIND RIVER	100	0.03	86	0.64	3	0.15	35	4	0	8	400	800	0.09	2.80	1.44	6.10	3	1.90
26C	WIND RIVER	100	0.03	86	0.52	3	0.15	35	5	8	12	400	600	1.98	4.27	3.12	7.62	3	3.28
27B	WIND RIVER VARIANT	100	0.03	86	0.52	3	0.10	35	5	0	8	400	800	0.09	2.80	1.44	11.43	3	1.01
27E	WIND RIVER VARIANT	100	0.03	86	0.52	3	0.10	35	5	8	30	400	500	1.98	13.12	7.55	11.43	2	5.28
28B	WYEAST	100	0.03	56	0.34	3	0.49	35	5	0	8	400	800	0.09	2.80	1.44	2.33	2	4.96
28C	WYEAST	100	0.03	56	0.34	3	0.49	35	5	8	12	400	600	1.98	4.27	3.12	2.33	2	10.72
29E*	WYETH	100	0.03	0	0.00	3	0.10	55	5	5	45	400	300	1.07	16.33	8.70	7.27	2	9.57
29F*	WYETH	100	0.03	0	0.00	3	0.10	55	5	45	75	100	300	9.43	26.03	17.73	7.27	1	19.50
30A*	XEROFLUVENTS	100	0.03	0	0.00	3	0.32	55	5	0	3	400	900	0.09	0.55	0.32	2.27	3	1.13
31F*	XERUMBREPTS	100	0.03	0	0.00	3	0.32	55	5	40	70	200	300	11.70	24.73	18.21	2.27	1	64.12
32E*	YALLANI	100	0.03	48	0.29	3	0.17	100	5	8	30	400	500	1.98	13.12	7.55	2.35	2	25.67
32F*	YALLANI	100	0.03	48	0.29	3	0.17	100	5	30	65	200	300	8.30	23.29	15.79	2.35	1	53.70

UNITED STATES DEPARTMENT OF AGRICULTURE
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July 26, 1994

SUBJECT: SOI - HEL documentation

TO: Dusty Eddy, DC
The Dalles FO

You recently receieved a letter from Thor Thorson, AStSS, dated 7/7/94 concerning PHEL(2) documentation in your FOTG. I have provided this to most, if not all, of you in the past. I have updated this list to include only PHEL(2) map units. Please compare and check for any problems with your current HEL list and place in the FOTG.

Trout Creek-Shaniko Area
Wasco County, North Part
Hood River County Area

Roger Borine
Resource Soil Scientist

cc: Thor Thorson, AStSS

7/1/94

Thor,

Attached is the documentation for assigning HEL/NHEL designations to soils identified as PHEL on the original HEL list. Note the date in the upper left corner (ex: March 5, 87). This is the date of the HEL list used. If any are in error please let me know and we will update using the correct one.

If the PHEL value is >8 it will be HEL, and <8 it will be NHEL. Only in acouple of counties do we have local exceptions and they will be documented on this list. I did not take the time to put them on these new copies.

Any questions let me know.

Roger

Hood River County Area
Highly Erodible Land Classes
March 6, 1987

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
1E*	BALD	100	0.03	0	0.00	3	0.24	55	2	5	45	400	450	1.07	20.00	10.54	1.21	2	69.53
3E*	BINS	55	0.03	48	0.48	3	0.28	55	3	1	30	400	500	0.20	13.12	6.66	1.56	2	34.19
3E*	BINDLE	30	0.03	48	0.48	3	0.20	55	3	1	30	400	500	0.20	13.12	6.66	2.18	2	24.42
6D	CULBERTSON	100	0.03	48	0.29	3	0.24	35	5	12	20	250	550	2.75	8.16	5.46	4.76	2	9.16
9B	DEE	100	0.03	48	0.29	3	0.49	55	5	0	8	400	800	0.09	2.80	1.44	1.48	2	7.79
10E*	DIVERS	100	0.03	48	0.29	3	0.10	100	5	3	30	400	500	0.43	13.12	6.77	4.00	2	13.55
12B	HOOD	100	0.03	48	0.29	3	0.43	35	5	3	8	400	800	0.43	2.80	1.61	2.66	2	4.86
12C	HOOD	100	0.03	48	0.29	3	0.43	35	5	8	12	400	600	1.98	4.27	3.12	2.66	2	9.41
13E*	HUTSON	100	0.03	86	0.52	3	0.20	100	5	0	30	400	500	0.09	13.12	6.60	2.00	2	26.42
14E*	KETCHLY	100	0.03	48	0.29	3	0.32	55	5	3	30	400	500	0.43	13.12	6.77	2.27	2	23.85
16C	OAK GROVE	100	0.03	48	0.29	3	0.32	35	5	8	12	400	600	1.98	4.27	3.12	3.57	2	7.00
16D	OAK GROVE	100	0.03	48	0.29	3	0.32	35	5	12	20	250	550	2.75	8.16	5.46	3.57	2	12.22
17B	PARKDALE	100	0.03	56	0.34	3	0.43	55	5	0	8	400	800	0.09	2.80	1.44	1.69	2	6.83
20*	ROCK OUTCROP	65	0.03	0	0.00	3	0.02	55	2	30	100	200	300	8.30	30.80	19.55	14.54	2	10.75
21B	ROCKFORD	100	0.03	36	1.14	3	0.17	35	1	0	8	400	800	0.09	2.80	1.44	1.34	2	8.60
22E*	ROCKFORD	100	0.03	0	0.00	3	0.10	35	4	0	30	400	500	0.09	13.12	6.60	9.14	2	5.78
27E	WIND RIVER VARIANT	100	0.03	86	0.52	3	0.10	35	5	8	30	400	500	1.98	13.12	7.55	11.43	2	5.28
28B	WYEAST	100	0.03	56	0.34	3	0.49	35	5	0	8	400	800	0.09	2.80	1.44	2.33	2	4.96
28C	WYEAST	100	0.03	56	0.34	3	0.49	35	5	8	12	400	600	1.98	4.27	3.12	2.33	2	10.72
29E*	WYETH	100	0.03	0	0.00	3	0.10	55	5	5	45	400	300	1.07	16.33	8.70	7.27	2	9.57
33E*	YALLANI	100	0.03	48	0.29	3	0.17	100	5	8	30	400	500	1.98	13.12	7.55	2.35	2	25.67