

Fire Metric for Restrictons

* **HDWIndex** - this is the Hot Dry Windy Index provided by the US Dept. of Agriculture, St Cloud State, and Michigan State

your Lat is 44.5 Lon is 121.5, put that into the drop down and use the graph for your factor in deciding how the metric 44.5/121.5 will be used. The graph gives data using percentiles ranging from the 25th to the 95th percentile.

The ranges were scored as follows:

25th percentile = 1	Very Low
50th percentile = 2	Low
75th percentile = 3	Moderate
90th percentile = 4	High
95th percentile = 5	Extreme

HDWI Website is <https://hdwindex.fs2c.usda.gov/index.html>

* **Temperature** - this factor is taken from the NOAA Fire Weather discussion page and the Wind Finder page used on the next factor for the wind. The NOAA Fire Weather discussion is provided daily and comes out of Portland for the region. Use the WAZ660 Region on the map for the report. The temps were scored as follows:

75 - 80 = 1
80 - 85 = 2
85 - 90 = 3
90 - 95 = 4
>95 = 5

NOAA Fire Weather <https://www.weather.gov/wrh/fire?wfo=pqr#>

* **Wind** - this factor takes in to account the wind direction and speed of maximum proposed gusts. Use the Wind finder website and the Dog Mountain site for data for this metric. The wind is scored as follows:

< 10 = 1
10 = 2
15 = 3
20 = 4
25 = 5

Wind Finder Page https://www.windfinder.com/forecast/dog_mt_columbia_river_gorge

* **RH%** - this factor is also taken from the NOAA Fire Discussion page and checked against local weather pages.

The RH factors were scored as follows:

30-35% = 1
25-30% = 2
20-25% = 3
15-20% = 4
<15% = 5

* **ERC / 100 HR Fuels** - These factors are taken from two places and checked against each other. One is the Oregon Dept. of Forestry, Significant Fire Potential page. The second is DNR Region 6 Lowlands South Fire Danger Rating page.

The ERC and 100 HR Fuels are scored as follows:

* ERC	= or >42 = 5	* 100 HR	= or <15 = 5
	= or >34 = 4		= or <20 = 4
	= or >26 = 3		= or <25 = 3
	= or >15 = 2		= or <30 = 2
	<15 = 1		> 31 = 1

Oregon Dept. of Forestry Page

<https://apps.odf.oregon.gov/SignificantFirePotential/#!/graphs/10/100HR/2023/1/100HR>

DNR Fire Potential Page

<http://pnwildfireplanning.pythonanywhere.com/nfdrs/wawwa/lowlandssouth>

9/11/2023	50	2	77	1	15	3	55	1	16	4	11	2.20	26.00	4.00	4.00	4.00	3.10
9/12/2023	50	2	80	2	16	3	45	1	17	4	12	2.40	22.00	3.00	3.00	3.00	2.70
9/13/2023	50	2	80	2	14	3	45	1	19	4	12	2.40	20.00	3.00	3.00	3.00	2.70
9/14/2023	75	3	87	3	8E	4	30	2	19	4	16	3.20	20.00	3.00	3.00	3.00	3.10
9/15/2023	50	2	93	4	4E	4	21	4	19	4	18	3.60	25.00	3.00	3.00	3.00	3.30
9/16/2023	95	5	89	3	10	1	26	3	17	4	16	3.20	26.00	4.00	4.00	4.00	3.60
9/17/2023	75	3	78	1	23	3	29	3	18	4	14	2.80	23.00	3.00	3.00	3.00	2.90
9/18/2023	75	3	72	1	23	3	30	3	19	4	14	2.80	25.00	3.00	3.00	3.00	2.90
9/19/2023	50	2	70	1	21	3	45	1	19	4	11	2.20	23.00	3.00	3.00	3.00	2.60
9/20/2023	25	1	70	1	12	2	50	1	19	4	9	1.80	21.00	3.00	3.00	3.00	2.40
9/21/2023	25	1	73	1	16	3	30	2	19	4	11	2.20	22.00	3.00	3.00	3.00	2.60
9/22/2023	50	2	75	1	E6	4	30	2	19	4	13	2.60	24.00	3.00	3.00	3.00	2.80
9/23/2023	50	2	65	1	6	1	46	1	19	4	9	1.80	25.00	3.00	3.00	3.00	2.40
9/24/2023	25	1	57	1	2	1	74	1	20	3	7	1.40	8.00	2.00	2.00	2.00	1.70
9/25/2023	25	1	62	1	E4	4	100	1	27	2	9	1.80	3.00	1.00	1.00	1.00	1.40
9/26/2023	25	1	65	1	16	3	100	1	27	2	8	1.60	1.00	1.00	1.00	1.00	1.30
9/27/2023	25	1	62	1	23	1	100	1	28	2	6	1.20	1.00	1.00	1.00	1.00	1.10
9/28/2023	25	1	59	1	12	1	100	1	29	2	6	1.20	0.00	1.00	1.00	1.00	1.10
9/29/2023	25	1	58	1	4	1	76	1	28	2	6	1.20	4.00	1.00	1.00	1.00	1.10
9/30/2023	50	2	63	1	4	1	53	1	25	2	7	1.40	7.00	1.00	1.00	1.00	1.20
10/1/2023	50	2	65	1	5	1	50	1	23	3	8	1.60	5.00	1.00	1.00	1.00	1.30

Daily Fire Rating

