# Oregon's 2012 Wildfires: Predictable & Preventable

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#### **Oregon Large-Scale Forest Wildfire Predictive Criteria**

**1. Historical Weather and Wildfire Patterns** 

Appear to be about the same for past 235 years.

2. Land Ownership Patterns

Federal vs. State vs. Industrial vs. Tribal vs. Private.

3. Current Fuel Loads, Structures, and Locations

Strong correlations to federal land management policies.

*NOTE: There is no evidence that climate change during historical time has had an effect on wildfire seasonality; however the wildfires of the 1930s took place during a period of widespread drought.* 











FIGURE 13. -- Zones of average yearly lightning storm distribution in the vicinity c the national forests of Oregon and Washington as determined from more than 2600 storms reported by national forest fire lookouts during the 7-year period from 1925 to 1931.













#### Zybach's Annual Oregon Large-Scale Wildfire Prediction

- 1. Large-scale wildfires are most likely to occur in August and September in western Oregon.
- 2. Large-scale wildfires are most likely to occur from July through October in eastern Oregon.
- 3. Large-scale wildfires are most likely to occur on federal lands.
- 4. Wildfire risk and spread are greatest during east wind events.
- 5. Wildfire severity is directly proportionate to the type, condition, continuity and volume of fuels involved.



FIGURE 14.--Zones of average yearly lightning fire distribution on the national forests of Oregon and Washington obtained by plotting the locations of the 5300 lightning fires reported from 1925 to 1931.





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<b>Oregon 2012 Large-Scale Wildfire Summar</b>	<b>y</b>
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Wildfire Name	Cause	Location	Started	<b>Total Acres</b>
Miller Homestead	Lightning	Burns BLM	July 8	160,853
Long Draw	Lightning	Vale BLM	July 8	557,648
Bonita Complex	Lightning	Vale BLM	July 9	18,188
Lava	Lightning	Lakeview BLM	July 23	21,300
Waterfalls 2	Lightning	Warm Springs Res.	August 4	12,265
Holloway	Lightning	Winnemucca BLM	August 5	461,047
Barry Point	Lightning	Fremont-Winema NF	August 6	93,071
Geneva 12	Lightning	Ochoco NF	August 6	1,337
Ten Mile Complex	Lightning	Vale BLM	August 10	14,036
Cache Creek	Lightning	Wallowa-Whitman NF	August 20	73,697
Parish Cabin	Human	Malheur NF	August 28	6,481
Pole Creek	Unknown	Deschutes NF	September 9	24,392

**SUMMARY:** 1) Oregon experienced 12 large-scale wildfires in 2012.

- 2) Lightning caused 10 (or 11) of these fires; people caused 1 (or 2).
- 3) Six fires started on US Forest Service land; five on BLM land.
- 4) BLM fires averaged 205,000 acres; USFS fires averaged 40,000 acres.
- 5) A total of 1,400,000 acres burned; all in July, August, & September.



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### **RECOMMENDATIONS** "If wildfire can be predicted, it can be prevented."

- 1. Restore active management of our nations' resources on our federal lands, including salvage logging, thinning, mining, grazing, road maintenance, recreation, hunting, fishing, trapping, and food gathering;
- 2. Restore regular use of prescribed fire on our managed forest, woodland, shrubland, and grassland landscapes.
- 3. Restore people to the land.