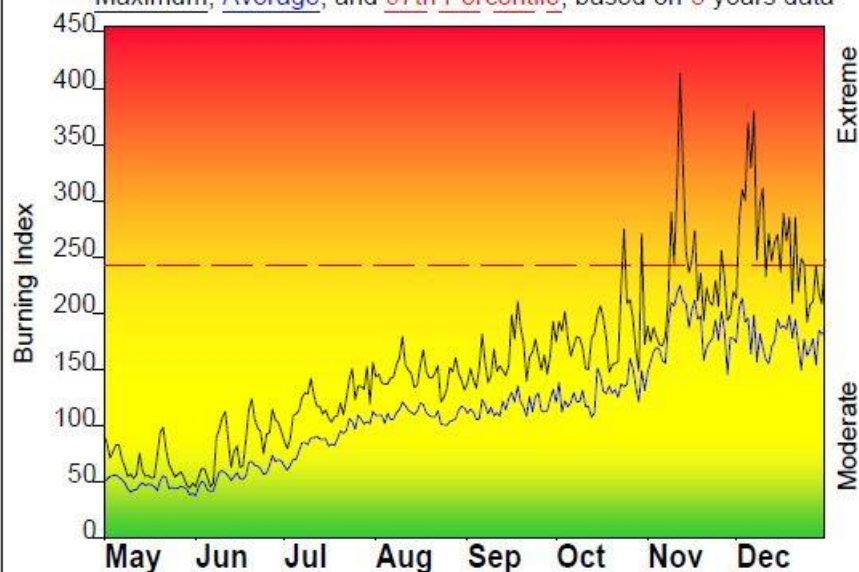


FIRE DANGER -- Santa Monica Mountains

Maximum, Average, and 97th Percentile, based on 5 years data



Fire Danger Area:

- Santa Monica Mountains
- BN 5
- Inland and Coastal Areas
- * Meets NWCG Wx Station Standards



Fire Danger Interpretation:

- EXTREME** -- Use extreme caution
- High** -- Watch for change
- Moderate** -- Lower Potential, but always be aware

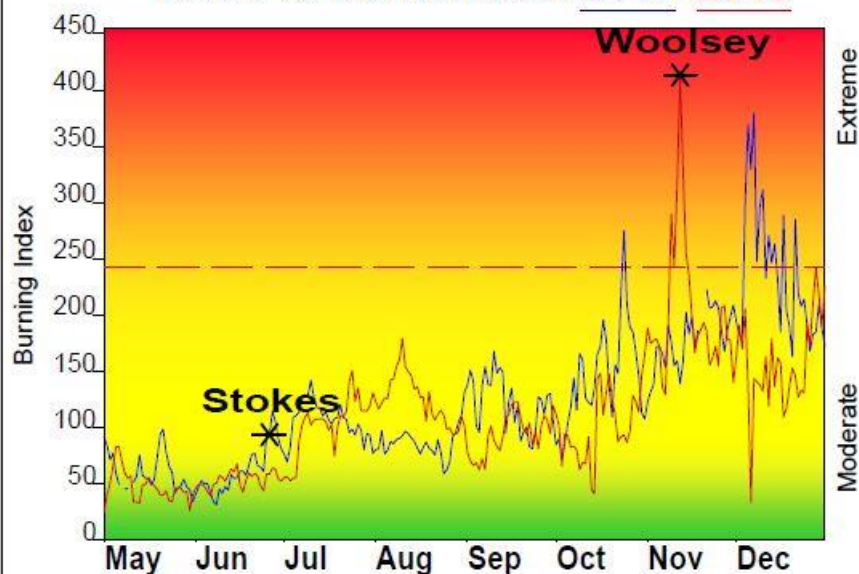
Maximum -- Highest Burning Index by day for 2016 - 2021

Average -- shows peak fire season over 5 years (1203 observations)

97th Percentile -- 3% of the 1203 days from 2016 - 2021 had an Burning Index above 242

Local Thresholds - Watch out: Combinations of any of these factors can greatly increase fire behavior:
20' Wind Speed over 30 mph, **RH** less than 20%,
Temperature over 80, **Burning Index** over 192

Years to Remember: 2017 2018



Fuel Model: X - Brush (2016)

Remember what Fire Danger tells you:

- ✓ Burning Index gives day-to-day fluctuations calculated from 2 pm temperature, humidity, wind, daily temperature & rh ranges, and precip duration.
- ✓ Wind is part of BI calculation.
- ✓ Watch local conditions and variations across the landscape -- Fuel, Weather, Topography.
- ✓ Listen to weather forecasts -- especially WIND.

Past Experience:

Wind Driven Fires Can Produce:

Rates of Spread > 160 ch/hr

Spotting up to 1-3 Mile Ahead of the fire front

Eye Level Wind Speed > 15 MPH

Live Fuel Moistures < 75%

Fine Fuel Moistures < 5%

Active Night Burning Conditions with RH < 30%

Non-Wind Driven Fires: Mature fuel beds 20+ years of growth

Identify the alignment of wind, slope and solar pre heating

Responsible Agency: Los Angeles County Fire

FF+5.0 build 20191211 07/04/2022-16:28 (C:\Users\Garrett Ha...\2022 master

Design by NWCG Fire Danger Working Team

Santa Monica Mountains Forecast Zone Pocket Card 2022

BI	192	242+	Extreme Intensity Fire Behavior:
PERCENTILE	90% to 100%		Associated with Fire Weather Watch and Red Flag Conditions.
Fire Behavior: Rapid fire growth should be anticipated with high rates of spread. Significant spotting up to 3 miles with an exponentially expanding fire environment. Flame Length 50+ feet... Key Indicators: Temps > 80 degrees; Wind >15 - 35 mph; RH < 15%; 10HR DFM ≤ 3%...LFM 80% -50% Targeted Months: September thru December Engagement Tactical Options: Heel and Flank Suppression. Identify Structure Defense and Evacuations. Fire Size Class: 8000 plus acre potential within the first 4 hours.			

BI	150	191	Moderate Intensity Fire Behavior: Associated with periods of hot, dry weather, light to moderate winds and spotting ½ -1 mile.
Fire Behavior: Fires are mainly topography driven with Westerly wind alignment features in the summer. Trending into a Fire Weather Watch and light offshore winds in early Fall and Winter with low dead and live fuels will produce an aggressive fire. Key Indicators: Temps 75- 100 degrees; Wind 5- 15 mph; RH: 15%- 30%.. 10HR DFM >5-7%.. LFM 80% to 60% Targeted Months: July thru December (October thru December a BI of 175 or greater may be trending toward a Fire Weather Watch) Engagement Tactical Options: Heel and Flank Suppression. Identify Structure Defense and Evacuations. Fire Size Class: 250 - 1500 plus acres.			

BI	50	149	Low Fire Behavior Intensity: Routine weather for the area.
			Spotting up to ½ mile
Fire Behavior: Fires are mainly topography dominated with slow to moderate rates of spread. Alignment of forces must be identified on routine weather days. Slope, Wind and Solar pre heating. Key Indicators: Temps > 70 - 90 degrees; Wind 5 - 20 mph; RH < 25%- 50% ; 10 HR DFM 5-12% ; LFM 120% -60% Targeted Months: May thru December. Engagement Tactical Options: Heel and Flank Suppression. Fires routinely held to topographic features with suppression activity. Identify Structure Defense needs. Fire Size Class: 5 - 250 plus acres.			