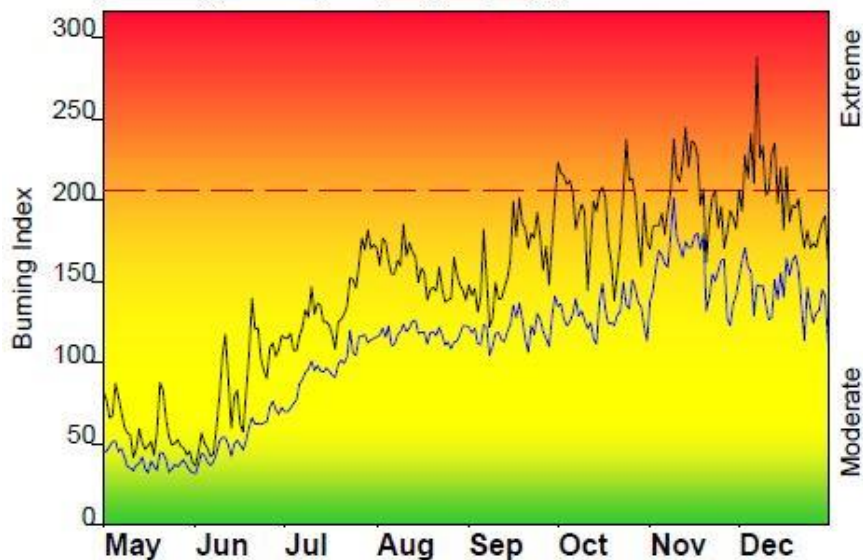


FIRE DANGER -- LA Basin

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



Fire Danger Area:

- LA Basin
- Whittier, San Rafael Hills
- Tonner Cyn, Claremont
- * Meets NWCG Wx Station Standards



Fire Danger Interpretation:

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

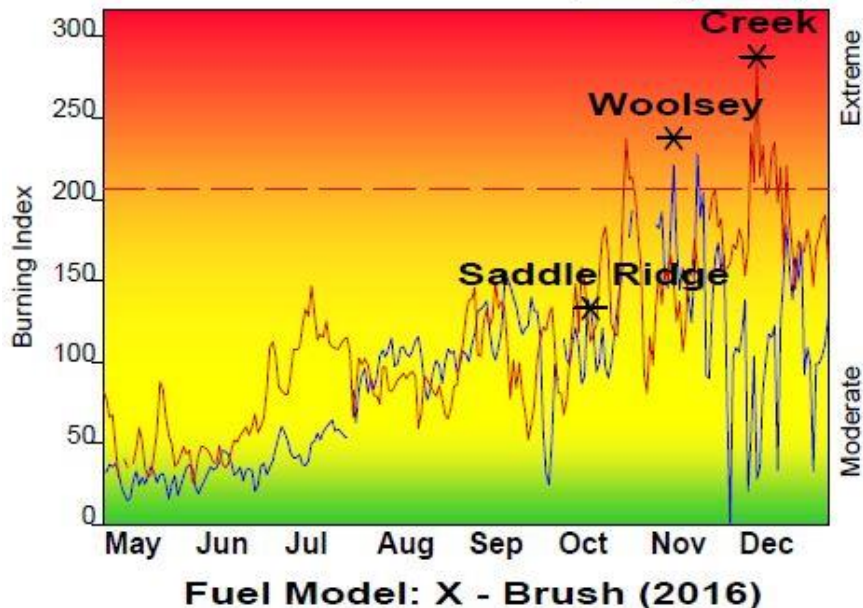
Maximum -- Highest Burning Index by day for 2016 - 2021

Average -- shows peak fire season over 5 years (1202 observations)

97th Percentile -- 3% of the 1202 days from 2016 - 2021 had an Burning Index above 206

Local Thresholds - Watch out: Combinations of any of these factors can greatly increase fire behavior:
20' Wind Speed over 15 mph, **RH** less than 20%,
Temperature over 85, **Burning Index** over 177

Years to Remember: 2019 2017



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:

- Rates of Spread > 160 ch/hr
- Spotting up to 0.5-1 Mile Ahead of Fire Front
- Eye Level Wind Speed > 7 MPH
- Live Fuel Moistures < 75%
- Fine Fuel Moistures < 5%
- Active Night Burning Conditions with RH < 30%
- Non- Wind Driven Fires: Look for variation on the fire ground
- Identify the alignment of wind, slope, and solar pre-heating

Responsible Agency: Los Angeles County Fire
 FF+5.0 build 20191211 07/01/2022-17:42 (C:\Users\Garrett Ha...2022 master

Desian by NWCG Fire Dander Workina Team

Los Angeles Basin Forecast Zone Pocket Card 2022

BI	177	206+	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	111	176	Moderate Intensity Fire Behavior: Associated with periods of hot, dry weather, light to moderate winds.
Fire Behavior: Fires are mainly topography driven with Westerly wind alignment features. Instability features may exist with fuels dominated fires leading to a plume dominated fire environment. Spotting ½ - 1 mile 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 January (October - December BI Range 150 + YOU MAY BE TRENDING TOWARD a High Risk Day) Engagement Tactical Options: Heel and Flank Suppression. Identify Structure Defense and Evacuations. Fire Size Class: 250 - 1500 plus acres.			

BI	40	110	Low Fire Behavior Intensity: Routine weather for the area
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 January Engagement Tactical Options: Heel and Flank Suppression. Identify Structure Defense and Evacuations. Fire Size Class: 5 - 250 plus acres.			