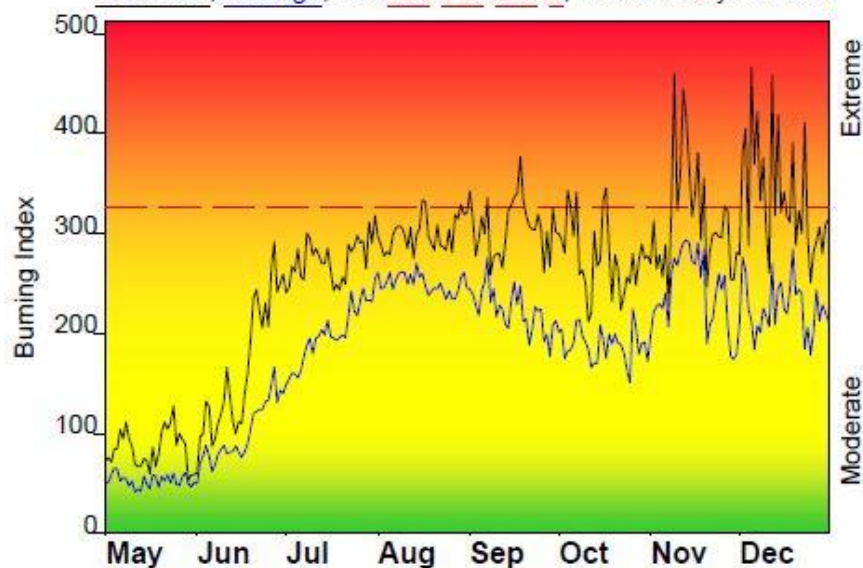


## FIRE DANGER -- High Country

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



## Fire Danger Area:

- High Country Zone
- Mostly Winthin ANF
- Camp 9 & Whitaker RAWS
- \* Meets NWCG Wx Station Standards



## Fire Danger Interpretation:

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

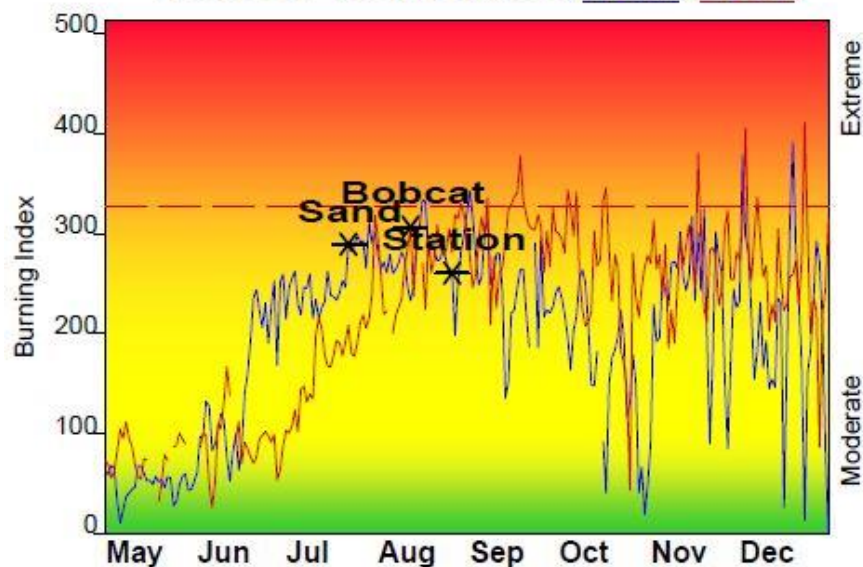
Maximum -- Highest Burning Index by day for 2016 - 2021

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 327

**Local Thresholds - Watch out:** Combinations of any of these factors can greatly increase fire behavior:  
**20' Wind Speed** over 15 mph, **RH** less than 25%,  
**Temperature** over 75, **Burning Index** over 294

## Years to Remember: 2016 2020



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 Fire Can Produce:

Rates of Spread >80 ch/hr

Spotting up to 0.5 - 1 Miles ahead of the fire front.

Eye Level Winds > 7 MPH

Live Fuel Moistures < 75%

Fine Fuel Moistures < 5%

Active night burning conditions with RH < 25%

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 07/01/2022-17:39 (C:\Users\Garrett Ha...\2022 master

Design by NWCG Fire Danger Working Team



# High Country Forecast Zone Pocket Card 2022

<b>BI</b>	<b>294</b>	<b>327+</b>	<b>Extreme Intensity Fire Behavior: (Wind and or Instability)</b>
<b>PERCENTILE</b>	<b>90% to 100%</b>		<b>Associated with Fire Weather Watch and Red Flag Conditions.</b>
<p><b>Fire Behavior:</b> 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..</p> <p><b>Key Indicators:</b> Temps &gt; 80 degrees; Wind &gt;15 – 35+ mph; RH &lt; 15%; 10HR DFM ≤3; LFM 80% -50%</p> <p><u>Unstable Conditions = Abnormal Hot and Dry with little to no wind with critically dry live and dead fuels. (July-September)</u></p> <p><u>Plume dominated Fire Conditions.</u></p> <p><b>Targeted Months:</b> August thru December.</p> <p><b>Engagement Tactical Options:</b> Heel and Flank Suppression. Identify Structure Defense and Evacuations.</p> <p><b>Fire Size Class:</b> 5000 plus acre potential within the first 4 hours.</p>			

<b>BI</b>	<b>200</b>	<b>293</b>	<b>Moderate Intensity Fire Behavior: Associated with periods of hot, dry weather, light to moderate winds and spotting ½ -1 mile.</b>
<p><b>Fire Behavior:</b> Fires are mainly topography driven with Westerly wind alignment features in the summer. Steep topography leads to containment challenges due to roll out and re alignment to head fire.</p> <p><b>Key Indicators:</b> Temps 85- 110 degrees; Wind 5- 15 mph; RH: 10%- 30%.. 10HR DFM &gt;3-7%.. LFM 80% to 60%</p> <p><u>Unstable Conditions = Hot and Dry with little to no wind with dry live and dead fuels. (July-September) .....LAL 2&amp;6</u></p> <p><b>Targeted Months:</b> July thru December</p> <p><b>Engagement Tactical Options:</b> Heel and Flank Suppression. Identify Structure Defense and Evacuations.</p> <p><b>Fire Size Class:</b> 250 - 5000 plus acres.</p>			

<b>BI</b>	<b>50</b>	<b>199</b>	<b>Low Fire Behavior Intensity: Routine weather for the area. Spotting up to ½ mile</b>
<p><b>Fire Behavior:</b> 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.</p> <p><b>Key Indicators:</b> Temps &gt; 70 - 90 degrees; Wind 5 - 20 mph; RH 25%- 40% ; 10 HR DFM 5-9% ; LFM 120% -60%</p> <p><b>Targeted Months:</b> May thru December</p> <p><b>Engagement Tactical Options:</b> Heel and Flank Suppression. Fires routinely held to topographic features with suppression activity. Identify Structure Defense needs.</p> <p><b>Fire Size Class:</b> 5 - 250 plus acres.</p>			