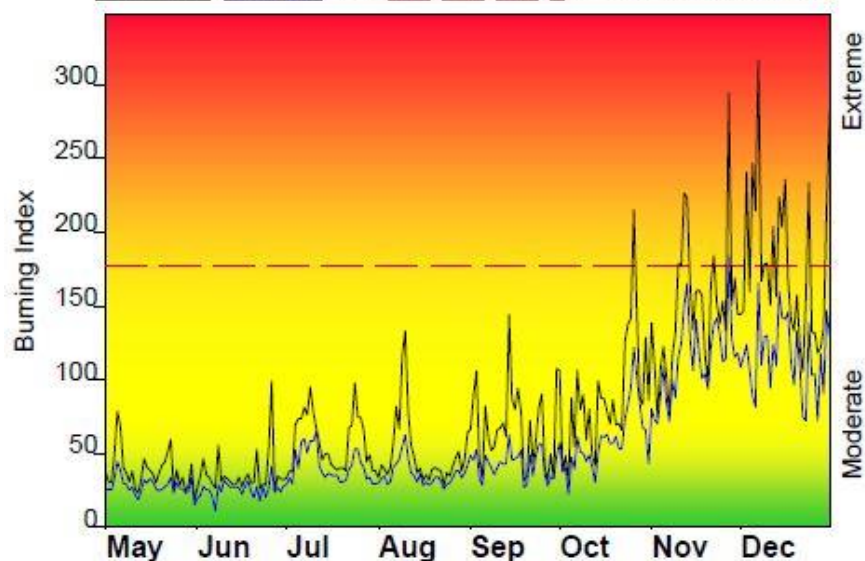


FIRE DANGER -- Catalina Island

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



Fire Danger Area:

- Catalina Island
- Ridge Top
- Dakin Peak RAWs
- * Meets NWCG Wx Station Standards



Fire Danger Interpretation:

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

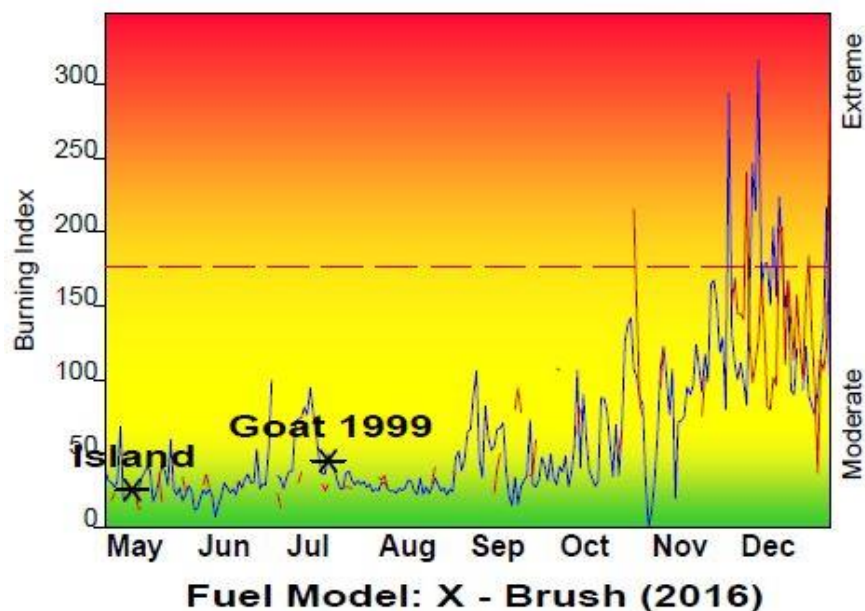
Maximum -- Highest Burning Index by day for 2016 - 2021

Average -- shows peak fire season over 5 years (785 observations)

97th Percentile -- 3% of the 785 days from 2016 - 2021 had an Burning Index above 177

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 127

Years to Remember: 2017 2020



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 0.5-1 Mile Ahead of Fire Front

Eye Level Winds > 7 MPH

Live Fuel Moistures < 75%

Fine Fuel Moistures < 5%

Active Night Burning Conditions with RH < 15%

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 Department

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Design by NWCG Fire Danger Working Team

Catalina Island Forecast Zone Pocket Card 2022

BI	127	177+	Moderate to High Intensity Fire Behavior:
PERCENTILE	90% to 100%		<i>May not be associated with a Fire Weather Watch and Red Flag Conditions.</i>
Fire Behavior: Increased fire growth should be anticipated with rates of spread at 1 mile an hour. Spotting ½ to 1 mile. Flame Length 30+ feet. Key Indicators: Temps > 80 degrees; Wind >15 - 35 mph; RH < 15%; 10 HR DFM ≤5; LFM 100% -50% The abundance of old growth fuels on the island will significantly contribute to a high resistance to control. Targeted Months: May thru December Engagement Tactical Options: Heel and Flank Suppression. Identify Structure Defense and Evacuations. Fire Size Class: 1500 plus acre potential within the first 4 hours.			

BI	80	126	Moderate Intensity Fire Behavior: Associated with periods of hot, dry weather, light to moderate winds and short range spotting
Fire Behavior: Fires are mainly topography driven with Westerly wind alignment features. Key Indicators: Temps 75- 100 degrees; Wind 5- 15 mph; RH: 15%- 30%.. 10 HR DFM >5-7%.. LFM 80% to 60% Targeted Months: May thru December Engagement Tactical Options: Heel and Flank Suppression fires are routinely held to topographic and road features. Identify Structure Defense and Evacuations. Fire Size Class: 25 - 1500 plus acres. (Moisture of extinction in fine fuels routinely after nightfall)			

BI	25	79	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. Backing fire will have limited spread. Key Indicators: Temps > 70 - 90 degrees; Wind 5 - 20 mph; RH < 30%- 50% ; 10 HR DFM 5-12% ; LFM 120% -60% Targeted Months: May thru December Engagement Tactical Options: Heel and Flank Suppression. Fires are routinely held to topographic and road features. Identify Structure Defense. Fire Size Class: 5 – 25 acres. (Moisture of extinction in fine fuels routinely after nightfall)			