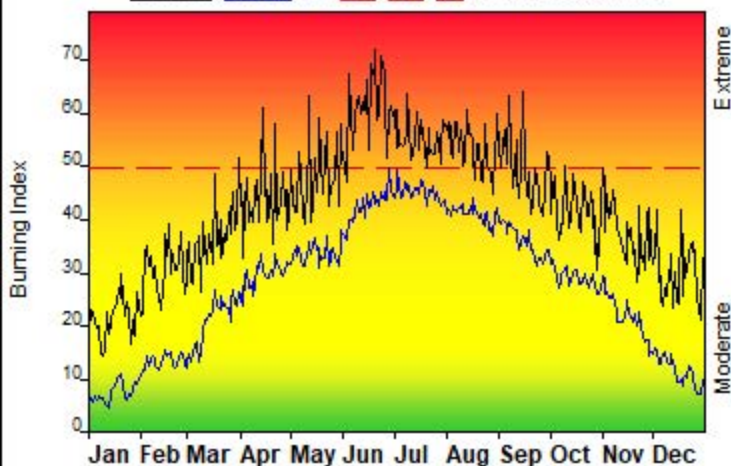


## FIRE DANGER -- Salt Lake Desert FDRA

Maximum, Average, and 95th Percentile, based on 15 years data



## Fire Danger Area:

- ◆ Salt Lake Desert FDRA
- ◆ Fire Weather Zone 478
- ◆ 5 RAWs in Desert SIG
- \* 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 2011 - 2025

Average -- shows peak fire season over 15 years (5475 observations)

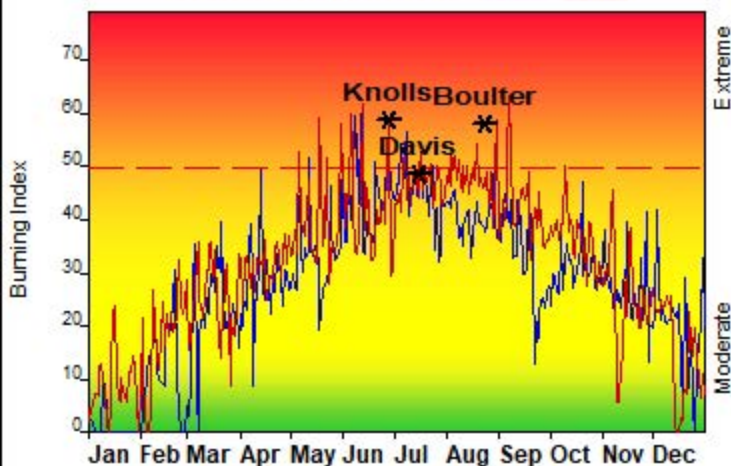
95th Percentile -- 5% of the 5475 days from 2011 - 2025 had an Burning Index above 49

## Local Thresholds - Watch out:

Combinations of any of these factors can greatly increase fire behavior:

- 20+ Wind Speed over 12 mph, RH less than 18%,
- Temperature over 80

## Years to Remember: 2017 2020



Fuel Model: Y - Timber (NFDRS4)

## Remember what Fire Danger tells you:

- ✓ Burning Index gives day-to-day fluctuations calculated from 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:

90% of large fires occur at wind, temp, RH beyond local thresholds (above).

At windspeed > 16, RH < 12 and temp > 90 large fires are increasingly probable.

\* LAKE EFFECT WINDS enhance up-slope winds in the afternoon and down-slope winds in the evening resulting in increased fire behavior near Great Salt Lake and Utah Lake.

\* MICROBURST WINDS from summer thunderstorms can affect fire spread, intensity, and direction from miles away.

Davis - 7/16/2017, Skull Valley/west side of Onaqui Mountains, 38,190 acres

Knolls - 6/28/2020, east side of lake Mountains, 12,583 acres

Boulter - 8/24/2024, south of Vernon, 2,243 acres

Responsible Agency: UT-NUC

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Design by NWCG Fire Danger Working Team