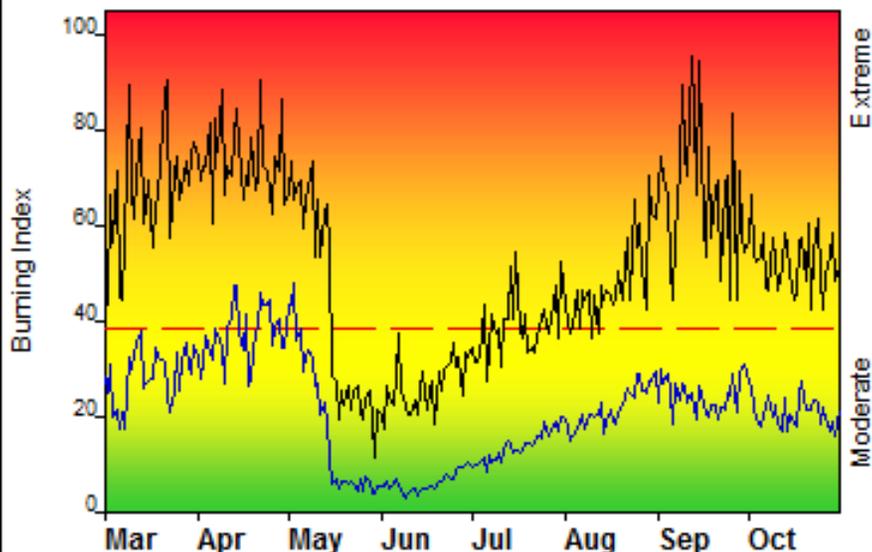


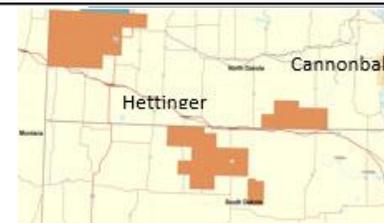
FIRE DANGER -- SW N.Dakota - NW S. Dakota

Maximum, Average, and 80th Percentile, based on 18 years data



Fire Danger Area:

- ◆ Medora RD_Grand River RD
- ◆ NWS ND 31,32,40,45, SD261
- ◆ Sand Creek (323804)
- * Meets NWCG Wx Station Standards



Fire Danger Interpretation:



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

Maximum -- Highest Burning Index by day for 1998 - 2015

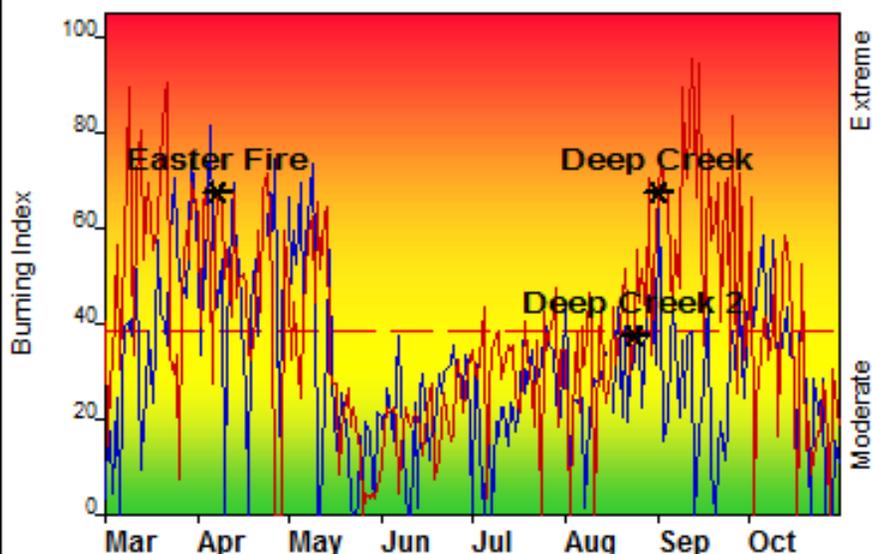
Average -- shows peak fire season over 18 years (4172 observations)

80th Percentile -- Only 20% of the 4172 days from 1998 - 2015 had an Burning Index above 38

Local Thresholds - Watch out:

- Combinations of any of these factors can greatly increase fire behavior:
- 20' Wind Speed over 20 mph, RH less than 20%, Temperature over 80, Herbaceous Fuel Moisture less than 80

Years to Remember: 2004 2012



Fuel Model: L - Western Perennial Grasses

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:

Covers NWS Zones - N. Dakota 31, 32, 40, 45 and S. Dakota 261. When ERC/G is at or above 58 and BI/L is at or above 39 fire tend to have extreme fire behavior and are difficult to contain and control. Rapid fire growth should be anticipated in the spring prior to green-up, during drought conditions (US Drought Monitor), and fall when grasses are cured. Fire history: Deep Creek (2004) human caused; severe drought: 3740 ac. BI/L 67 ERC/G 57 Temp 98, RH 14, Wind 30 mph, HFM 57. Easter Fire (2012) unknown cause; moderate drought: 328 ac. BI/L 67 ERC/G 58 Temp 55 RH 17, wind 25 HFM 4. Deep Creek 2 (2012) lightning caused; severe drought: 3,317 ac BI/L 37 ERC/G 62 Temp 93, RH 17, wind 25, HFM 54.

Responsible Agency: USFS Dakota Prairie Grasslands

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Design by NWCG Fire Danger Working Team