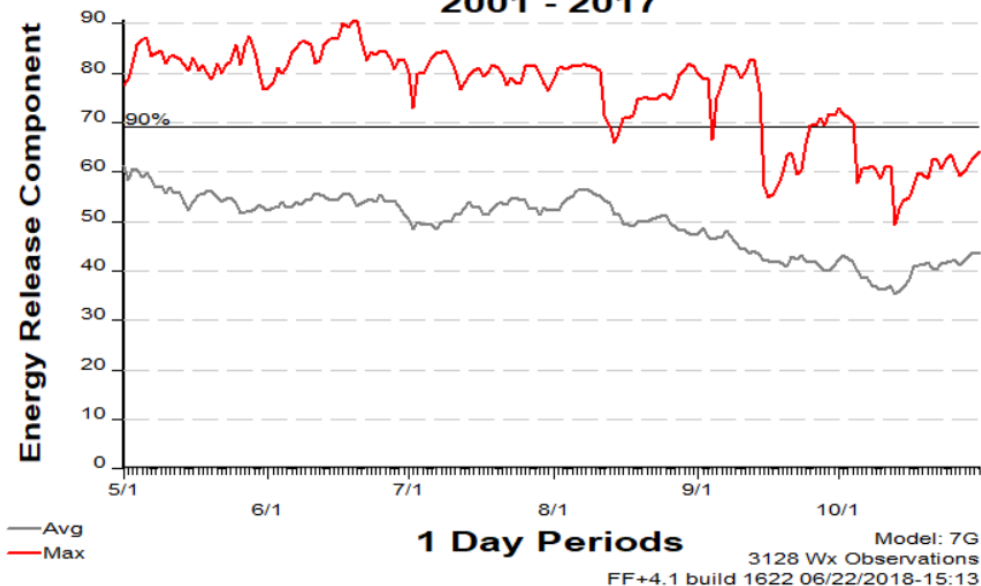


Fire Danger: Southern Plains Predictive Service Area

SIG - Southern Plain 2001 - 2017



Critical Fire Weather Thresholds:

- Relative Humidity: 15% or less
- 20' Wind speed: 20 mph or greater
- Temperature: 90° or greater

Critical Dead Fuel Thresholds (10th %):

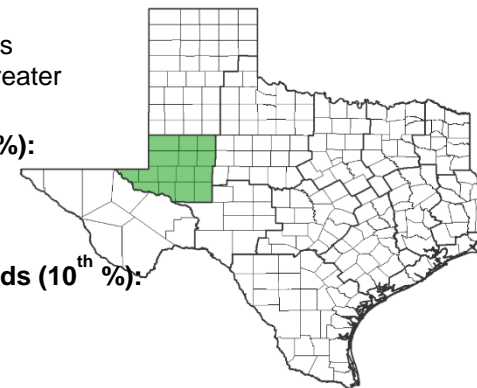
- 10-Hr: 4
- 100-Hr: 8
- 1000-Hr: 9

Critical Live Fuel Moisture Thresholds (10th %):

- Mesquite: 99
- Juniper: 69

Critical NFDRS Indices (90th %):

- Energy Release Component: 69
- Burning Index: 89

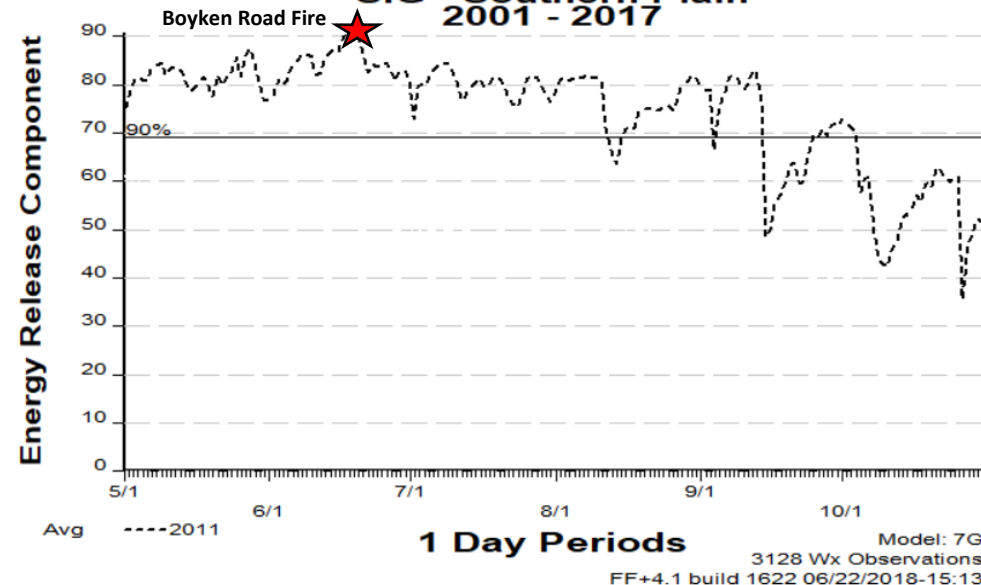


Southern Plains Normal Fires and Acres Burned May - October

	May	Jun	Jul	Aug	Sep	Oct
Fires	0	0	0	0	0	0
Acres	0	0	0	0	0	0

Years to Remember: 2011

SIG - Southern Plain 2001 - 2017



Fuel Model G – Short Needle (Heavy Dead)

Remember what Fire Danger tells you:

- ✓ ERC gives seasonal trends calculated from 2 PM temperature, humidity, daily temperature and RH ranges and precip duration.
- ✓ Wind is part of the BI calculation.
- ✓ Watch local conditions and variations across the landscape – Fuels, Weather and Topography.
- ✓ Stay informed of local fire weather forecasts, especially **WIND**.

Past Experience:

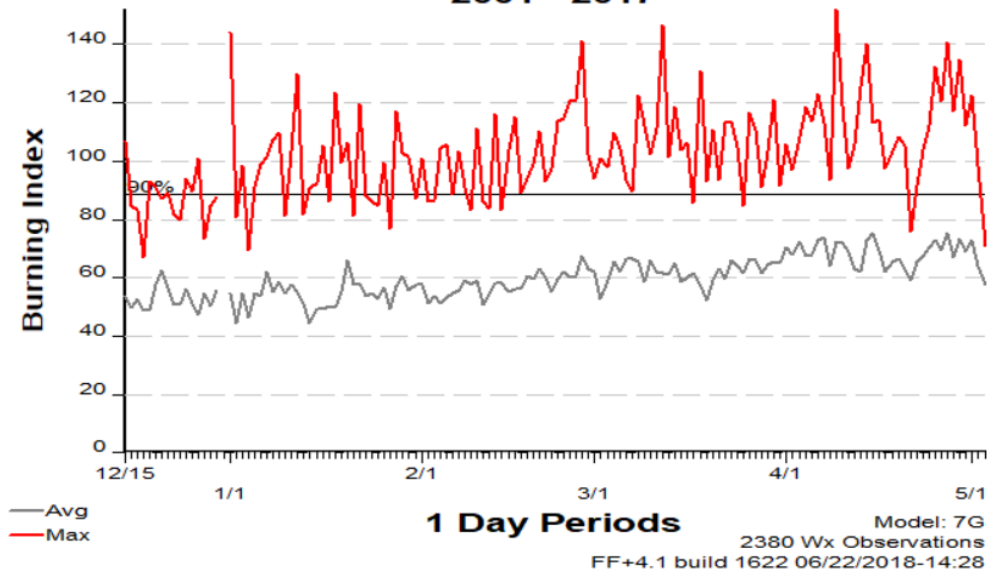
The Boyken Road fire occurred on 6/20/2011 in Howard County burning 5,067 acres. This fire can be attributed to a Southern Plains Outbreak event. The ERC on the 20th was 91 with a BI of 116. Weather observations from the AWOS in Big Spring included West-Southwest winds, eventually becoming Northwest, from 12-25 mph with gusts to 33, minimum RH of 7% and maximum temperature of 104 degrees. Very active fire behavior was observed in juniper brush.

Responsible Agency: Mike Dunivan, Texas A&M Forest Service
June 2018



Fire Danger: Southern Plains Predictive Service

SIG - Southern Plain 2001 - 2017



Critical Fire Weather Thresholds:

- Relative Humidity: 15% or less
- 20' Wind speed: 20 mph or greater
- Temperature: 90° or greater

Critical Dead Fuel Thresholds (10th %):

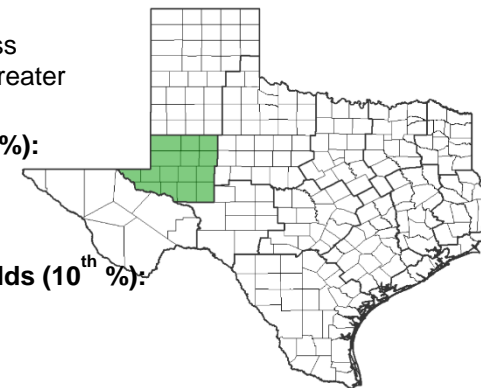
- 10-Hr: 4
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- Mesquite: 99
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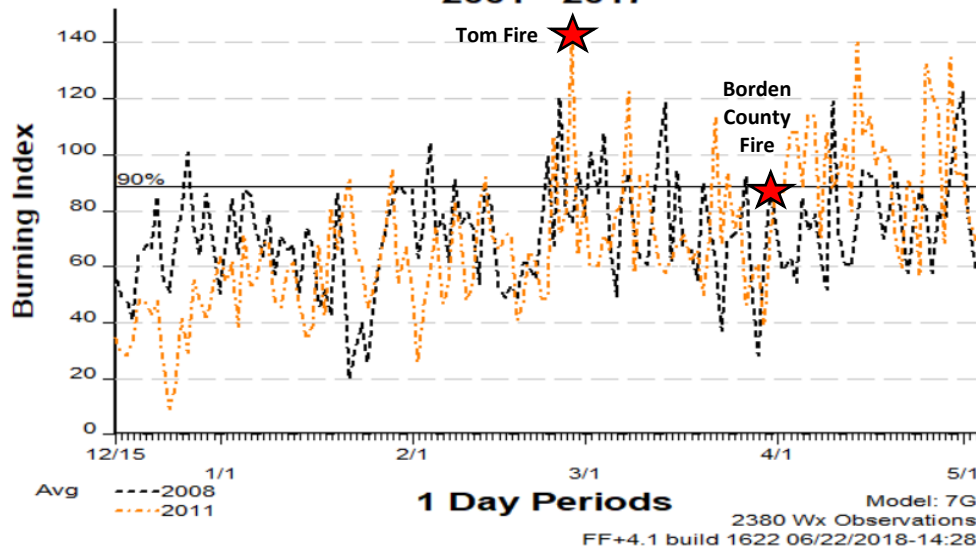


Southern Plains Normal Fires and Acres Burned February - April

	Feb	Mar	Apr
Fires	0	1	1
Acres	0	2,500	700

Years to Remember: 2008 & 2011

SIG - Southern Plain 2001 - 2017



Fuel Model G – Short Needle (Heavy Dead)

Remember what Fire Danger tells you:

- ✓ BI gives day-to-day fluctuations calculated from 2 PM temperature, humidity and wind.
- ✓ Wind is part of the BI calculation.
- ✓ Watch local conditions and variations across the landscape – Fuels, Weather and Topography.
- ✓ Stay informed of local fire weather forecasts, especially **WIND**.

Past Experience:

The Borden County fire occurred on March 31st, 2008 burning 15,000 acres. The BI on the 31st was 88 with an ERC of 59. On 2/27/2011, the Tom fire occurred in Andrews County burning 65,000 acres. The BI on the 27th was 141 with an ERC of 62. The Tom fire occurred on a Southern Plains Wildfire Outbreak day. Extreme weather, large expanses of cured grass fuels, inability of firefighting resources to combat fires on Outbreak days, etc., are common factors during the winter fire season.

Responsible Agency: Mike Dunivan, Texas A&M Forest Service
June 2018

