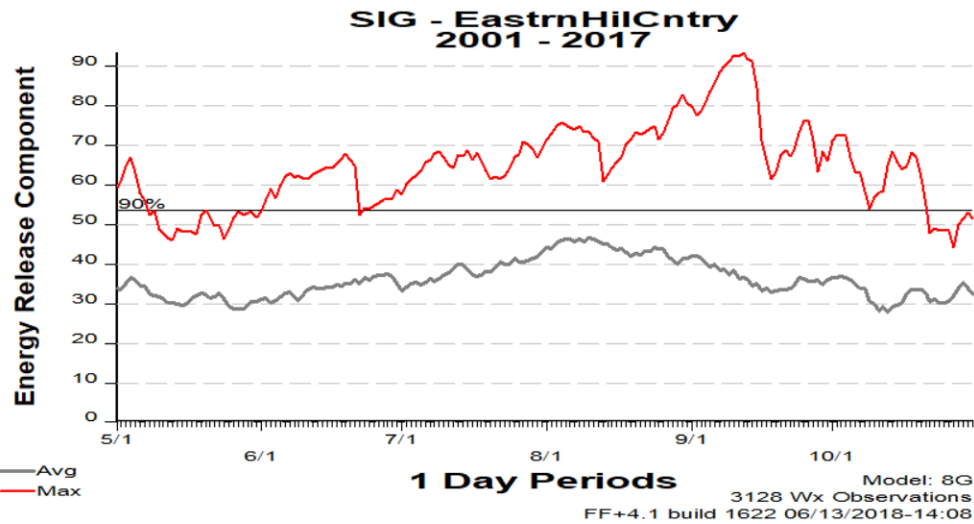


Fire Danger: Eastern Hill Country Predictive Service Area



Critical Fire Weather Thresholds:

- Relative Humidity: 25% or less
- 20' Wind speed: 15 mph or greater
- Temperature: 90° or greater

Critical Dead Fuel Thresholds (10th %):

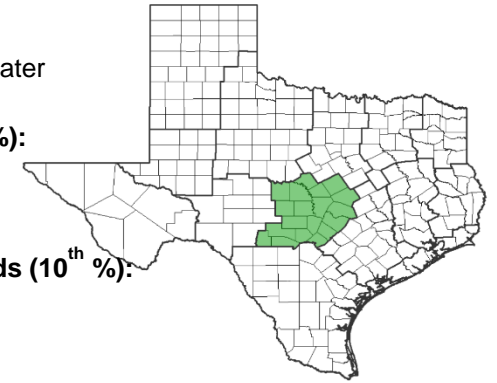
- 10-Hr : 6
- 100-Hr: 11
- 1000-Hr: 13

Critical Live Fuel Moisture Thresholds (10th %):

- Juniper: 71
- Live Oak: 77
- Post Oak: 80
- Mesquite: 99

Critical NFDRS Indices (90th %):

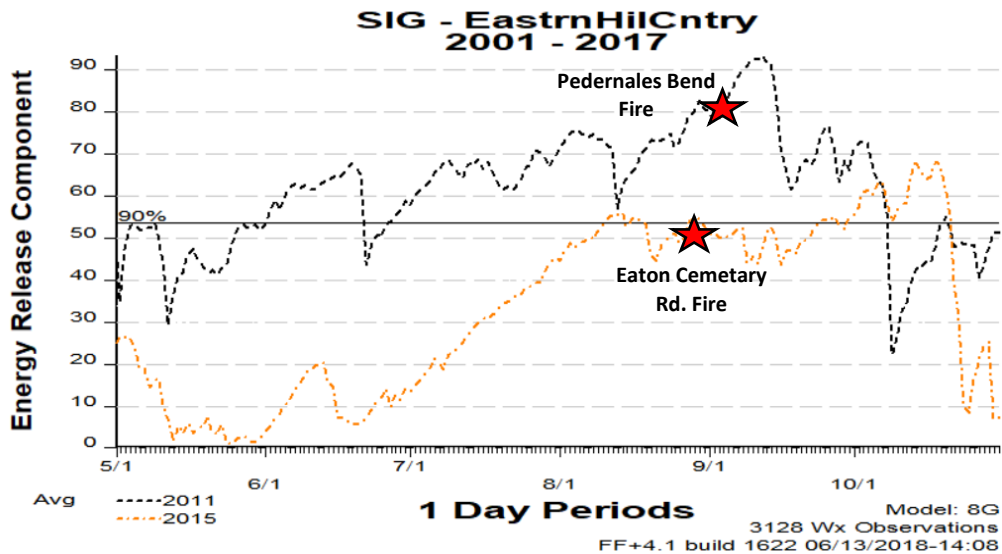
- Energy Release Component: 54
- Burning Index: 62



Eastern Hill Country Normal Fires and Acres Burned July-September

	Jul	Aug	Sep
Fires	3	6	1
Acres	500	1000	100

Years to Remember: 2011 & 2015



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**.

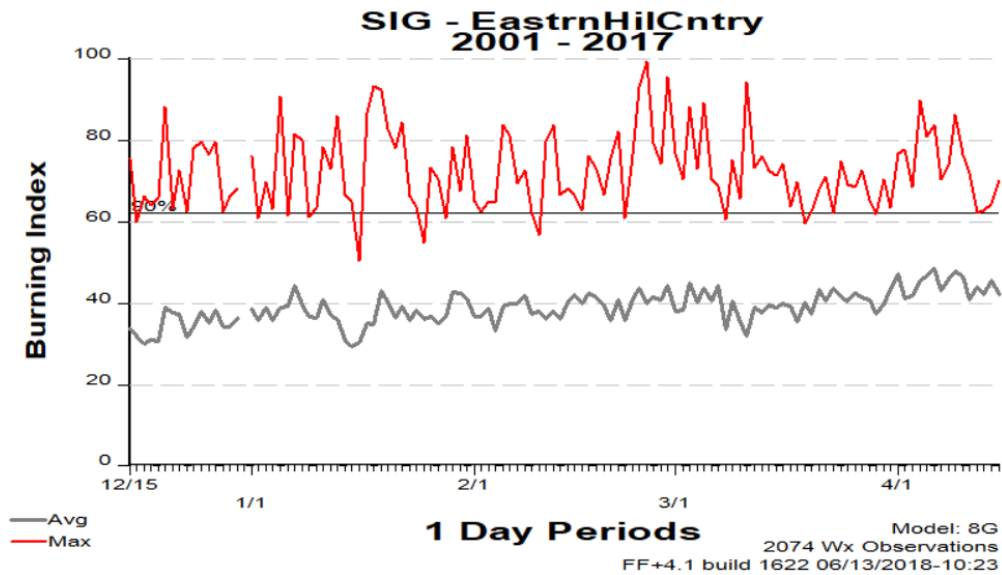
Past Experience:

The Pedernales Bend fire in Travis County, occurred on 9/4/2011 burning 6,500 acres. Strong winds in association with tropical storm Lee enhanced fire spread. The ERC on September 4th, in the Eastern Hill Country was 80 with a BI of 112. The live fuel moisture in juniper for Travis County was 68 in early September. On August 27th, 2015 the Eaton Cemetary Rd. fire occurred in Mason County burning 10,468 acres. The ERC on the 27th in the Eastern Hill Country was 50 with a BI of 36. Juniper live fuel moistures were critically low in the Eastern Hill country in August of 2015.

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



Fire Danger: Eastern Hill Country Predictive Service Area



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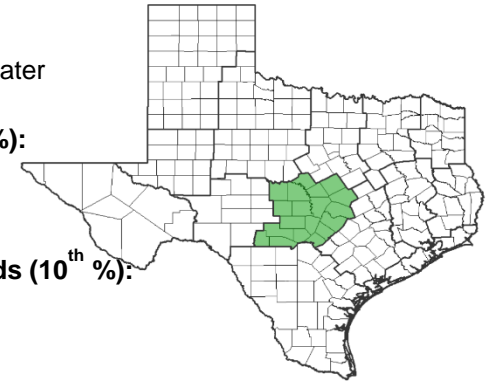
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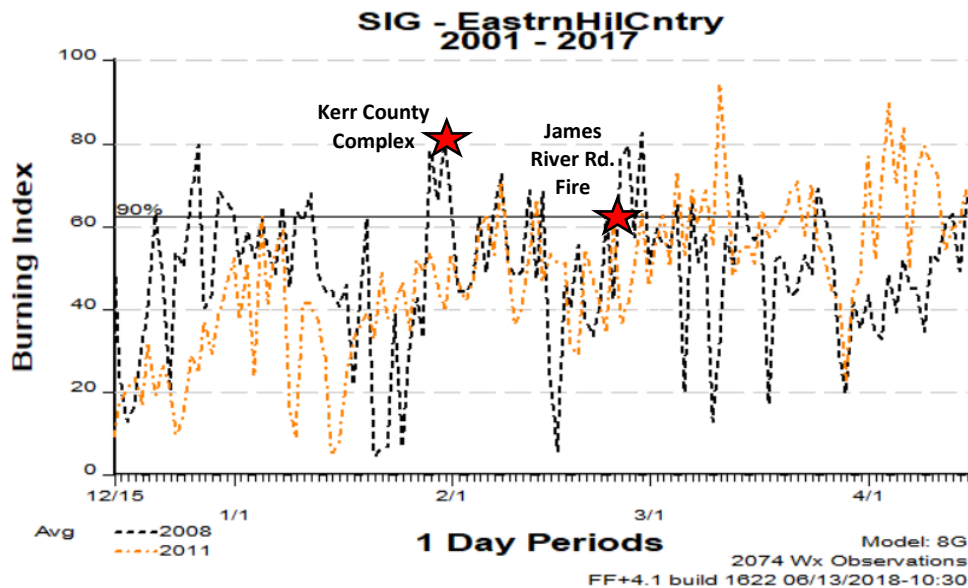
- Energy Release Component: 54
- Burning Index: 62



Eastern Hill Country Normal Fires and Acres Burned January-April

	Jan	Feb	Mar	Apr
Fires	1	4	2	1
Acres	400	915	400	250

Years to Remember: 2008 & 2011



Fuel Model G – Short Needle (Heavy Dead)

Remember what Fire Danger tells you:

- ✓ Burning Index 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, Topography.
- ✓ Stay informed of local fire weather forecasts, especially **WIND**.

Past Experience:

The Kerr County Complex occurred on 1/31/2008 and burned 3,431 acres. Eight fires made up this complex with a variety of causes from escaped debris burning, equipment use and a BBQ grill. The two largest fires occurred along I-10 West of Kerrville; both fires jumped the interstate. The BI was 81 and ERC was 38 in the Eastern Hill Country PSA on January 31st. The James River Rd. fire occurred on 2/24/2011 in Mason County. The fire resulted from an escaped debris burn. The BI was 61 and ERC was 37 in the Eastern Hill Country PSA on February 24th.

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

