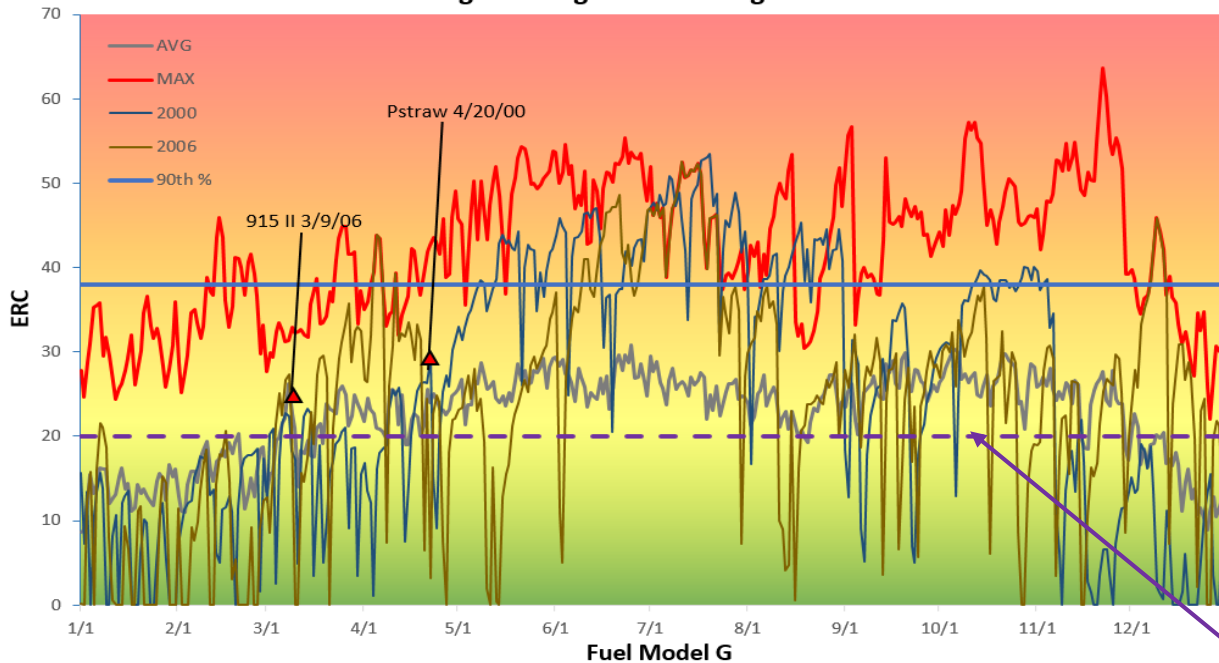
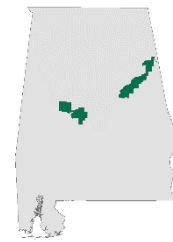


Fire Danger Rating Area - Tuskegee - ERC



Fire Danger Area: Tuskegee RD

Forecast Zone: ALZ043

Weather Stations: 014201 Tuskegee RAWS

*Meets NWCG Wx Station Standards

Local Thresholds – WATCHOUT:

Combinations of any of these factors can increase fire behavior:
 20' windspeed over 15 mph; Temperatures over 75 degrees; Relative humidity < 25%; 1000-hr fuel moistures < 18%, KBDI > 500..

Graph Interpretation: Energy Release Component (ERC)

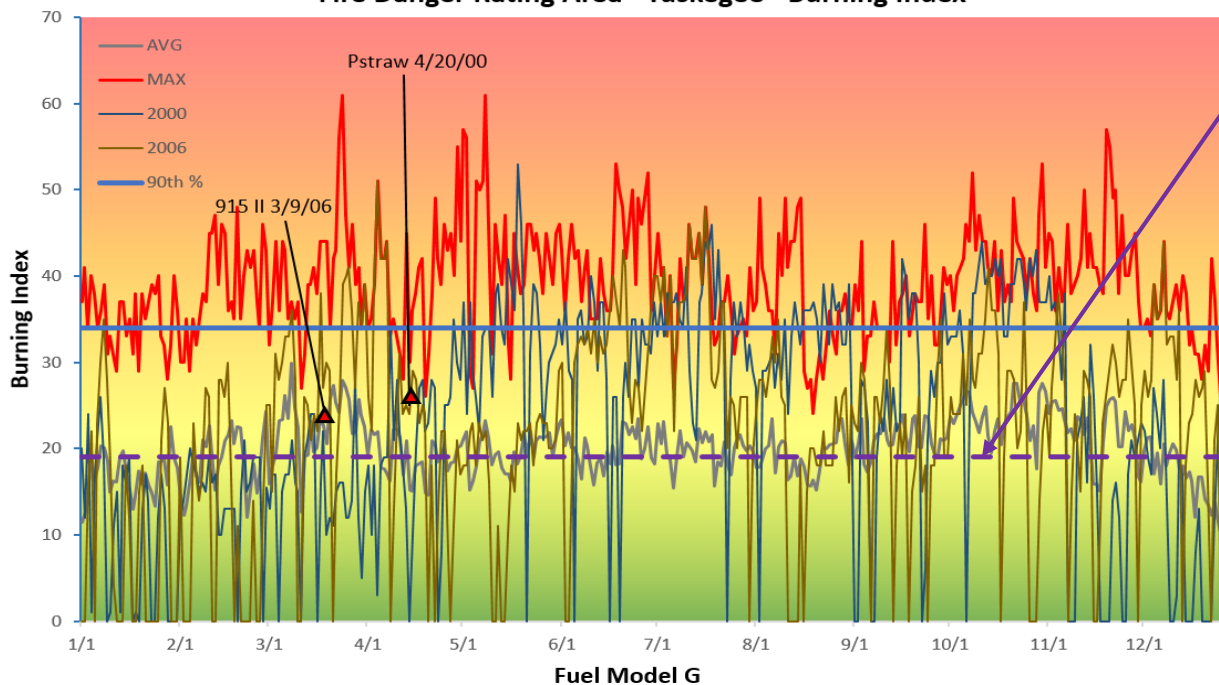
• **ERC gives seasonal trends calculated from hourly temperature, RH, precipitation duration, & solar radiation. Wind is NOT part of ERC calculation.**

Max: Highest ERC by day 2008-2019

Average: shows peak fire season

90th% = 90th percentile means 10% of days in analysis had ERC over 38

Fire Danger Rating Area - Tuskegee - Burning Index



Past Experience/Local Knowledge:

- **Problematic fire behavior is likely if ERC >20 (39th Percentile) or BI is >19 (50th percentile).**
- Always have LCES in place.
- 915 II Fire 03/09/2006 Ac. 91
- Pstraw 04/20/2000 AC 25
- Red flag criteria: 1 Nov - 30 April (Dormant Season)--RH<25% for at least 4 hours, 20' winds >20 mph sustained
- Red flag criteria: 1 May - 31 October (Growing Season)--RH<30% , 20' winds >10 mph for more than 4 hours, KBDI 500.

Graph Interpretation: Burning Index (BI)

• **BI gives day to day fluctuations calculated from hourly temperature, RH, wind, solar radiation, & precipitation.**

Max: Highest Burning Index by day 2008-2019

Average: shows peak fire season

90% = 90th percentile means 10% of days in analysis had BI over 34

Responsible Agency: USFS National Forests in Alabama

Card Produced: 10/18/2019