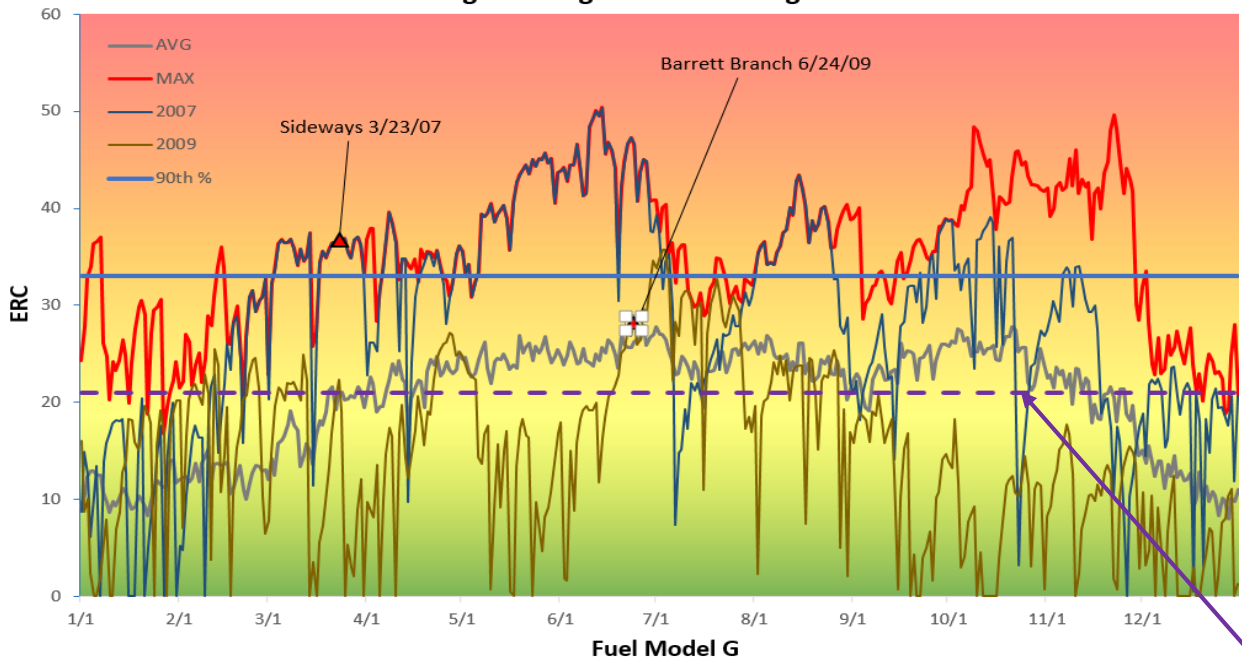
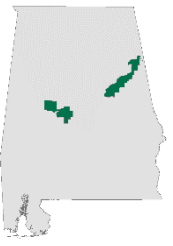


Fire Danger Rating Area - Oakmulgee - ERC



Fire Danger Area: Oakmulgee RD
Forecast Zone: ALZ034
Weather Stations: 013201 Oakmulgee RAWS
 *Meets NWCG Wx Station Standards

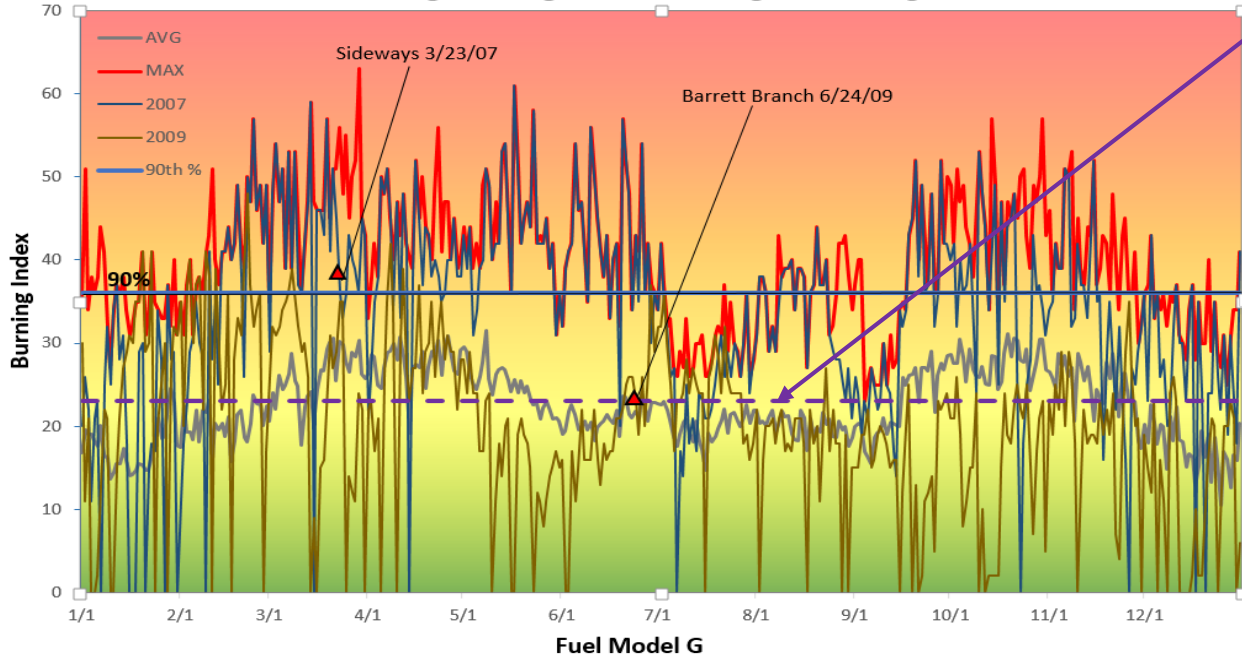
Local Thresholds – WATCHOUT:

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%.

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 2006-2019
- Average: shows peak fire season
- 90th% = 90th percentile means 10% of days in analysis had ERC over 33

Fire Danger Rating Area - Oakmulgee - Burning Index



Past Experience/Local Knowledge:

- **Problematic fire behavior is likely if ERC >21 (48th Percentile) or BI is >23 (52nd Percentile).**
- Always have LCES in place.
- Sideways Fire 03/23/2007 Ac.475
- Barnett Branch 06/24/2009 Ac. 410
- 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 2006-2019
- Average: shows peak fire season
- 90% = 90th percentile means 10% of days in analysis had BI over 36