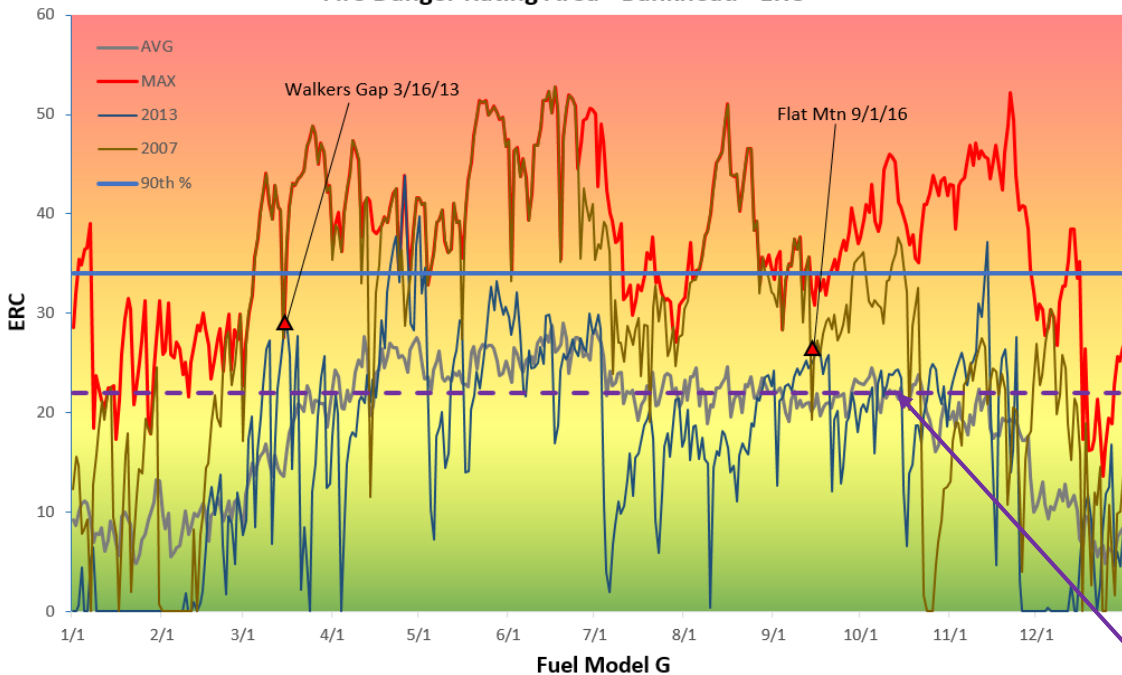


Fire Danger Rating Area - Bankhead - ERC



Fire Danger Area: Bankhead RD

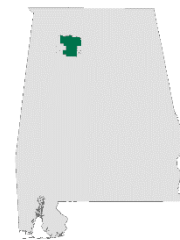
Forecast Zone: ALZ011

Weather Stations: 010702 Bankhead 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)

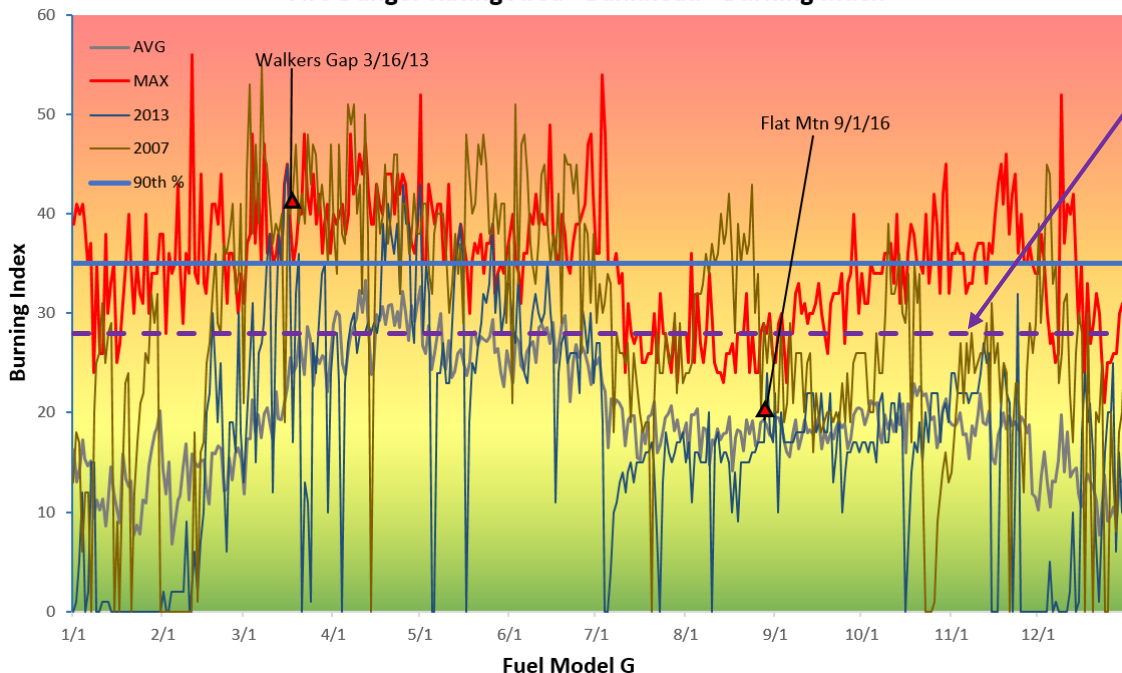
- ERC gives seasonal trends calculated from hourly temperature, RH, precipitation duration, & solar radiation. Wind is NOT part of ERC calculation.

Max: Highest ERC by day 2008-2019

Average: shows peak fire season

90th% = 90th percentile means 10% of days in analysis had ERC over 33

Fire Danger Rating Area - Bankhead - Burning Index



Past Experience/Local Knowledge:

- **Problematic fire behavior is likely if ERC >22 (59th Percentile) or BI is >28 (77th Percentile).**
- Always have LCES in place.
- Walkers Gap Fire 03/16/2013 62 Ac.
- Flat Mountain Fire 09/1/2016 8 Ac.
- 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 36

Responsible Agency: USFS National Forests in Alabama

Card Produced: 10/18/2019