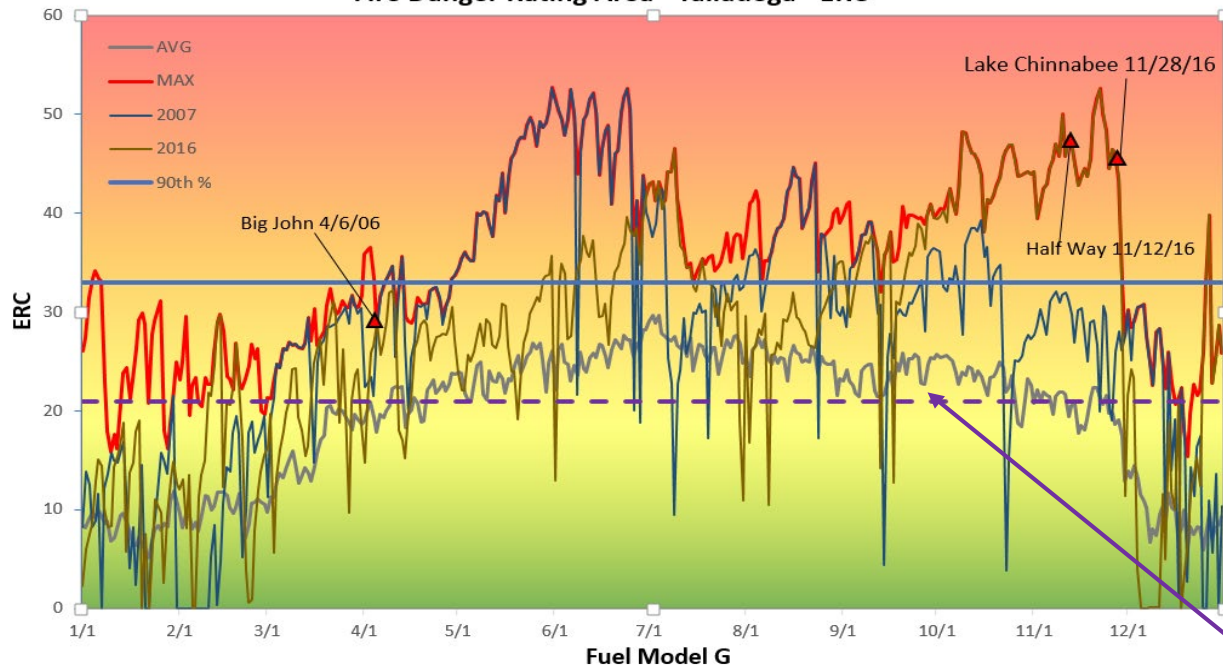


### Fire Danger Rating Area - Talladega - ERC



### Fire Danger Area: Talladega RD

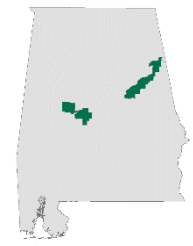
Forecast Zone: ALZ017

Weather Stations: 012701 Tallga 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)

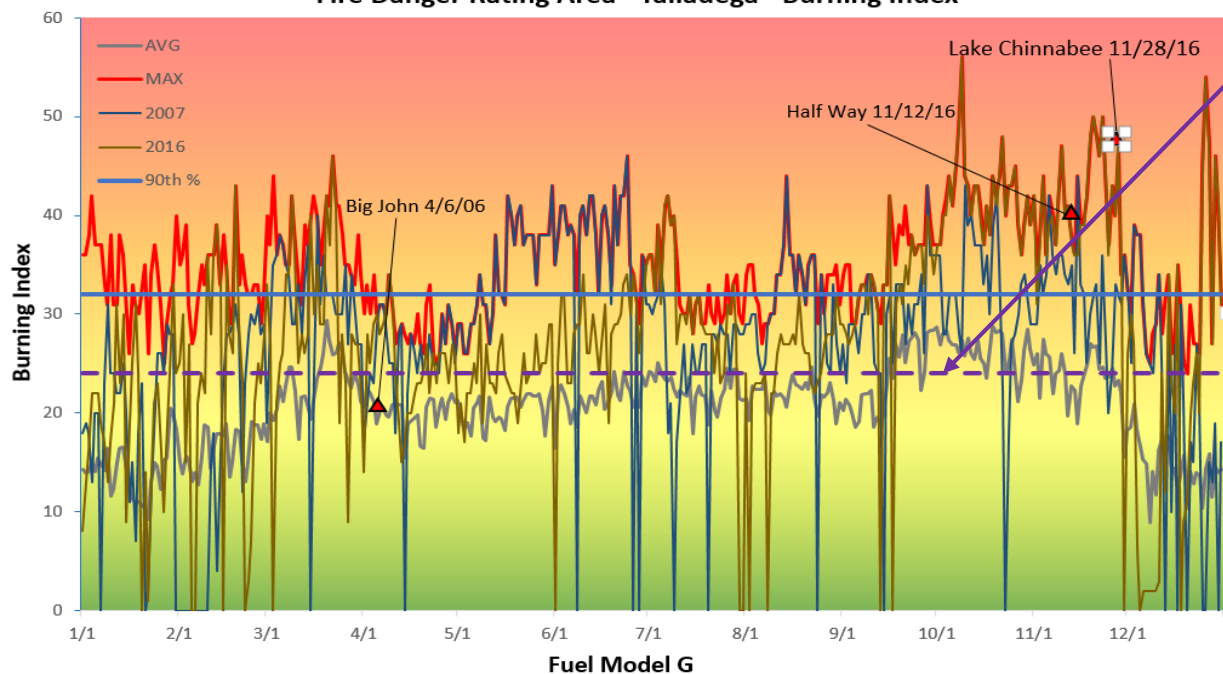
- ERC gives seasonal trends calculated from hourly temperature, RH, precipitation duration, & solar radiation. Wind is NOT part of ERC calculation.

Max: Highest ERC by day 2006-2019

Average: shows peak fire season

90th% = 90th percentile means 10% of days in analysis had ERC over 32

### Fire Danger Rating Area - Talladega - Burning Index



### Past Experience/Local Knowledge:

- Problematic fire behavior is likely if ERC > 21 (50<sup>th</sup> Percentile) or BI is >24 (66<sup>th</sup> Percentile).
- Green fuels that contain volatile oils and waxes can burn even under high fuel moisture content.
- If RH levels do not recover overnight, expect consistent fire behavior with spotting to occur.
- Some fuels are ready to burn <1 hour after rainfall.
- If RH levels do not recover overnight, expect active fire behavior earlier in the day and later into the night with increased potential for spotting.
- Smoldering duff has the potential for reburn and could require extended mop-up and monitoring.

### 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 32