



Fire Danger Area: Conecuh RD

Forecast Zone: ALZ056

Weather Stations: 015902 Open Pond 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 36

Past Experience/Local Knowledge:

- **Problematic fire behavior is likely if ERC >23 (50th Percentile) or BI is >23 (53rd 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. 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.
- Some fuels are ready to burn <1 hour after rainfall.
- 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.**

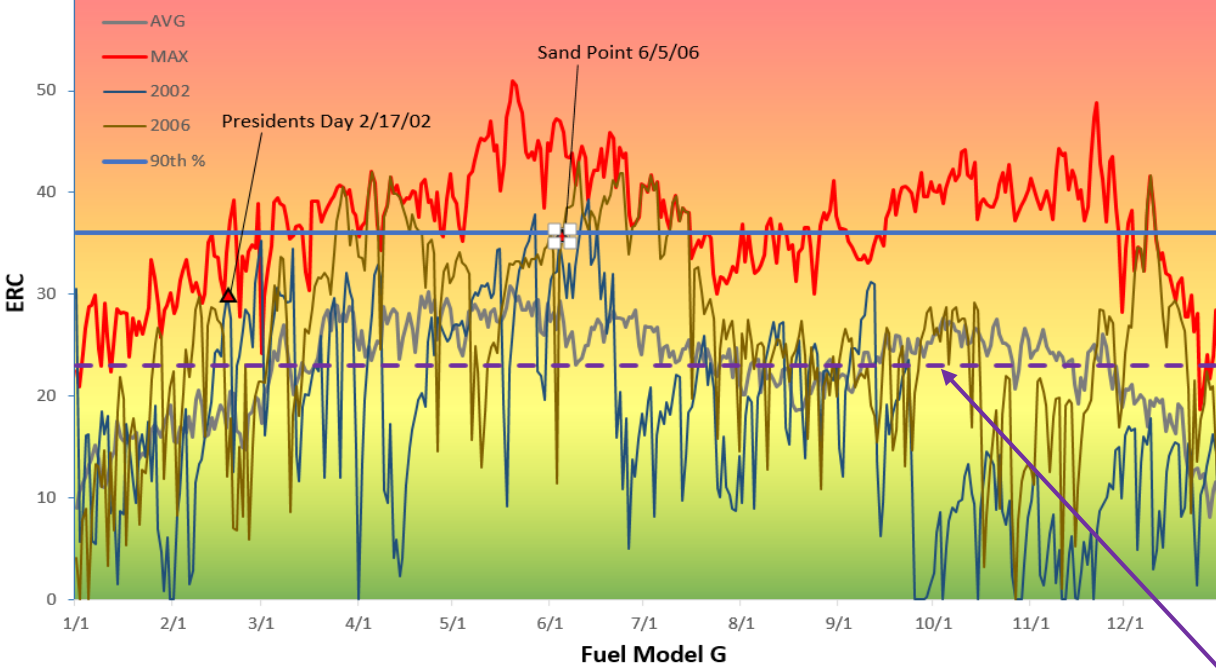
Max: Highest Burning Index by day 2008-2019

Average: shows peak fire season

90% = 90th percentile means 10% of days in analysis had BI over 37

Responsible Agency: USFS National Forests in Alabama

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Fire Danger Rating Area - Conecuh - Burning Index

