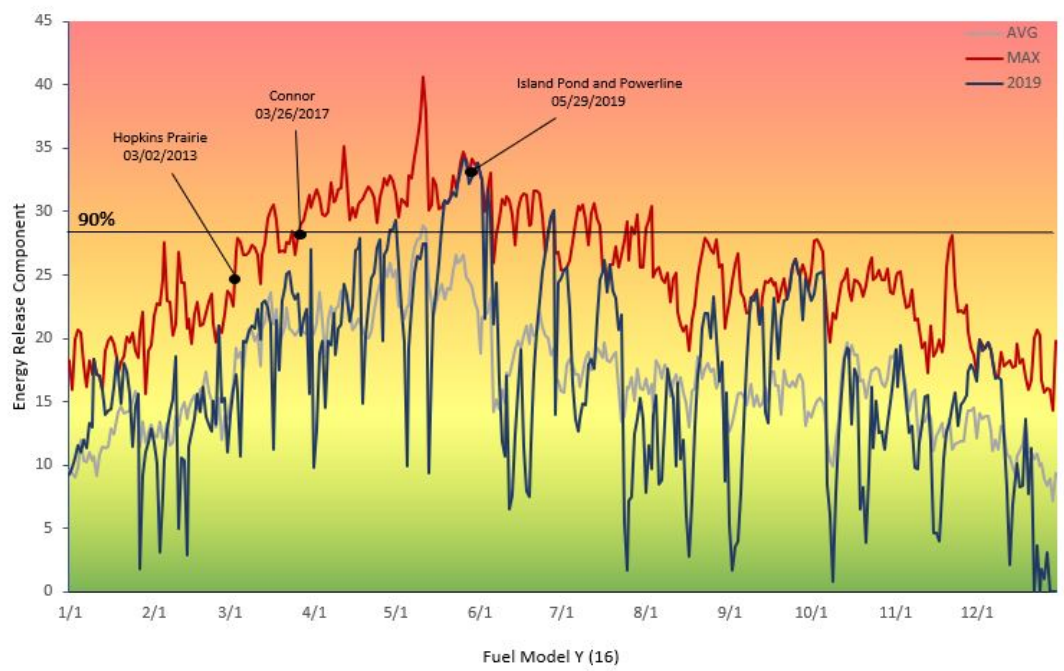
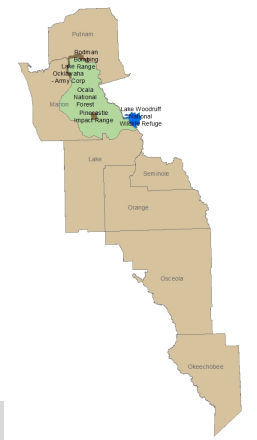


**Ocala NF - FDRA FL 6
Energy Release Component**

Fire Danger Area: FL6—Ocala National Forest Forecast
Zone: Jacksonville, FL
Weather Stations: 083501 Central 083502 Lake George
084001 Paisley



Local Thresholds – WATCHOUT:

Combinations of any of these factors can increase fire behavior:
 20' windspeed over 15 mph; Temperatures over 90 degrees; Relative humidity < 30; KBDI > 625. Large fires become more frequent when ERC exceeds 28 and BI exceeds 20.

Graph Interpretation: Energy Release Component (ERC)

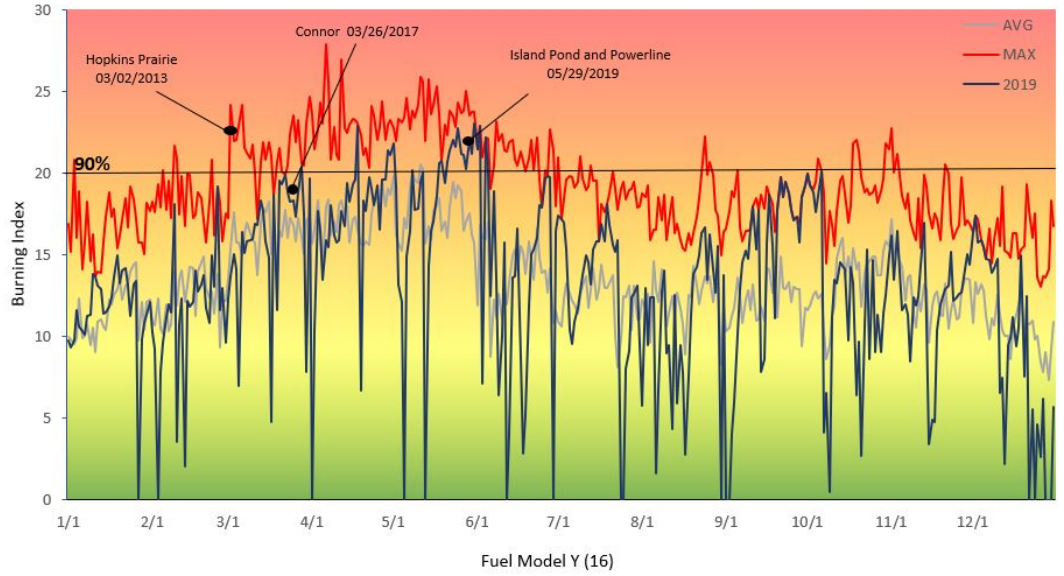
- ERC gives seasonal trends calculated from temperature, RH, daily temp & RH ranges, and precipitation duration. Wind is NOT part of ERC calculation.

Max: Highest ERC by day 2011-2020
 Average: shows peak fire season
 90% = 90th percentile means 10% of days in analysis had ERC over 28

**Ocala NF - FDRA FL 6
Burning Index**

Past Experience/Local Knowledge:

- Expect extreme fire behavior in areas with high fuel loads
- Green fuels that contain volatile oils and waxes can burn even under high fuel moisture content
- Afternoon sea breezes usually leads to thunderstorms and sometimes lightning
- Some fuels are available to burn ~ 1hour post rainfall
- 4WD is required in areas containing sandy or mucky soils
- During dry conditions, swamps may not contain water and should NOT be considered a safety zone
- Problematic fire behavior is likely if ERC >28, BI >20, and Dispersion Index >75



Graph Interpretation: Burning Index (BI)

- BI gives day to day fluctuations calculated from temperature, RH, wind, and precipitation.

Max: Highest Burning Index by day 2011-2020
 Average: shows peak fire season
 90% = 90th percentile means 10% of days in analysis had BI over 20

