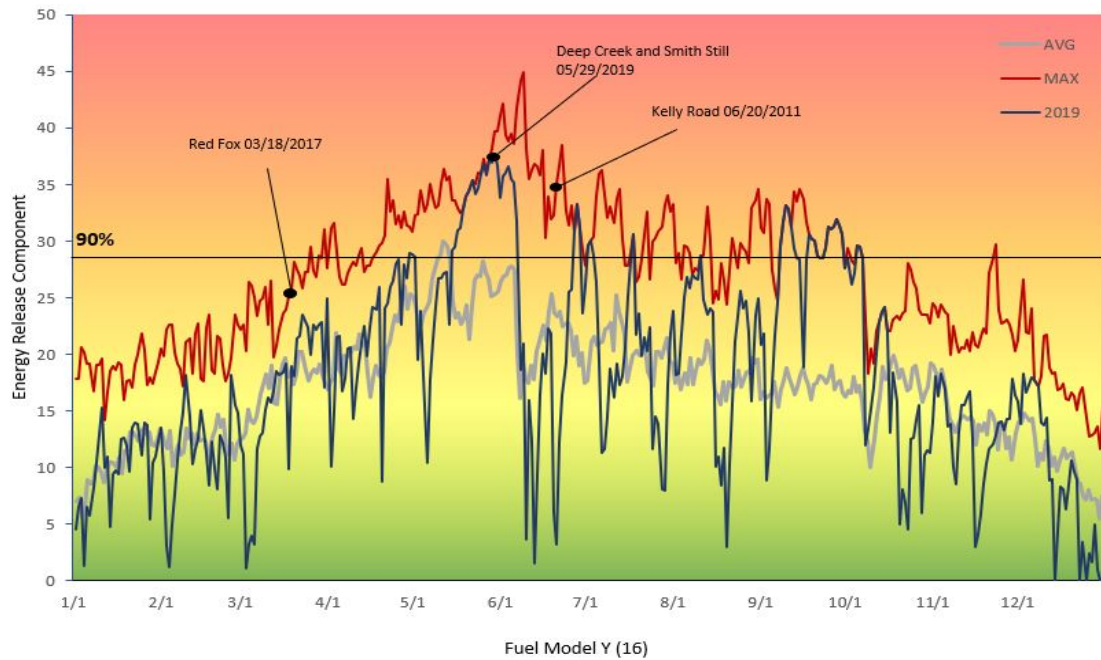
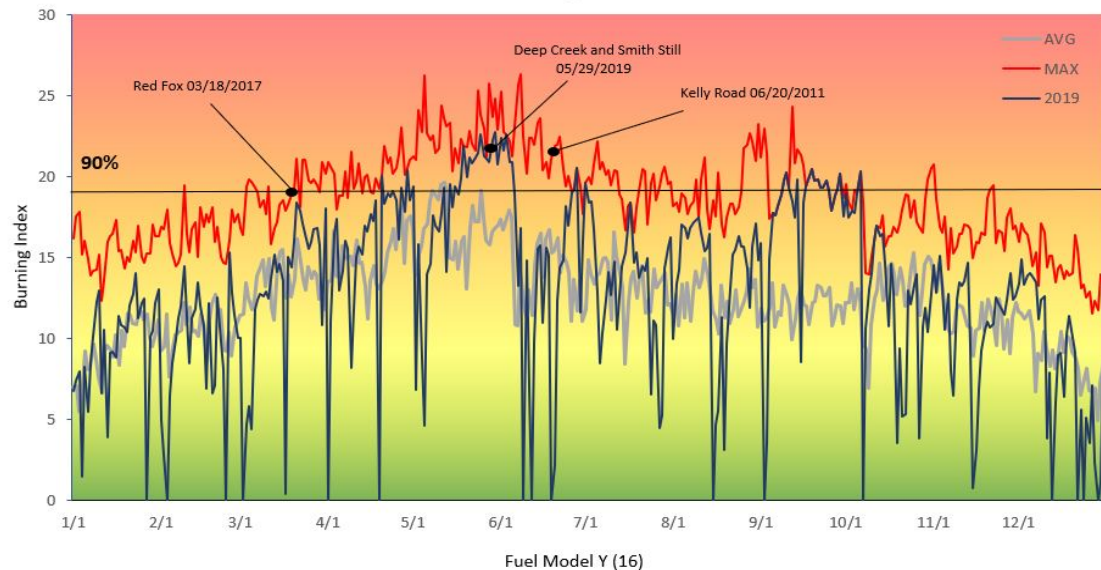


**Osceola NF - FDRA FL3
Energy Release Component**



**Osceola NF - FDRA FL3
Burning Index**



Fire Danger Area: FL3—Osceola National Forest
Forecast Zone: Jacksonville, FL
Weather Stations: 081301 Olustee 081302 Eddy Tower



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 > 630. Large fires become more frequent when ERC exceeds 29 and BI exceeds 19.

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 29

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 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 >29, BI >19, 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 19

