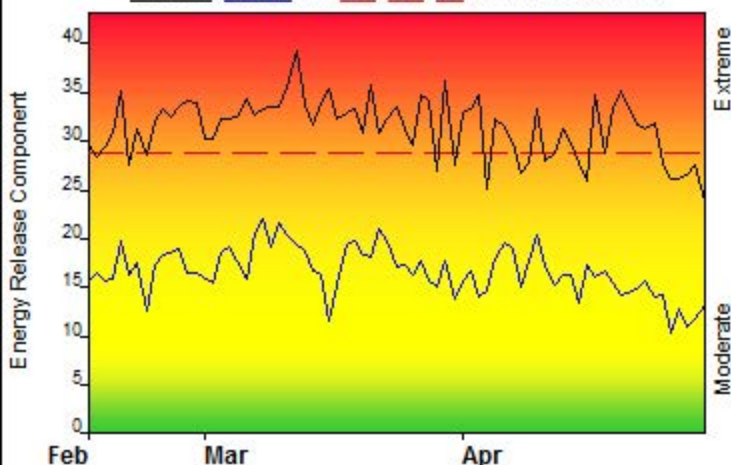


## FIRE DANGER -- East FDRA Spring

Maximum, Average, and 90th Percentile, based on 16 years data



## Fire Danger Area:

- ◆ KDF, DBNF, CUGA, BISO
- ◆ NWS - ILN, RLX, JKL
- ◆ East RAWs SIG
- \* Meets NWCG Wx Station Standards



## Fire Danger Interpretation:



- EXTREME** -- Use extreme caution
- (Caution)** -- Watch for change
- Moderate** -- Lower Potential, but always be aware

Maximum -- Highest Energy Release Component by day for 1999 - 2014

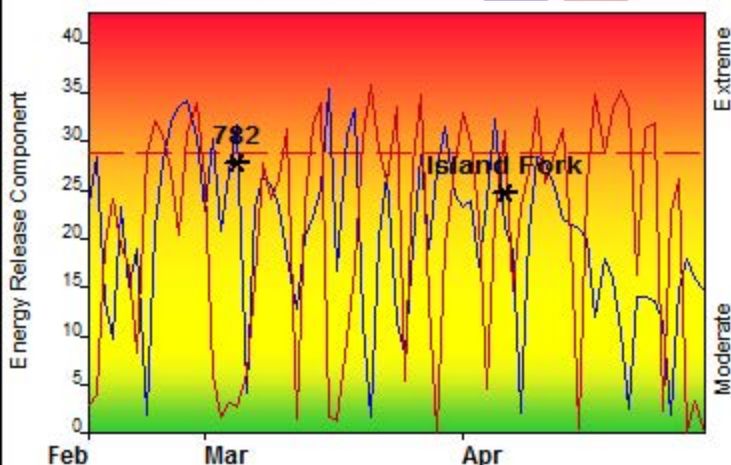
Average -- shows peak fire season over 16 years (1200 observations)

90th Percentile -- Only 10% of the 1200 days from 1999 - 2014 had an Energy Release Component above 29

## Local Thresholds - Watch out:

- Combinations of any of these factors can greatly increase fire behavior:
- 20' Wind Speed over 15 mph, RH less than 25%,
- Temperature over 90, 100-Hour Fuel Moisture less than 11

## Years to Remember: 2006 2014



Fuel Model: E - Hardwood Litter (Winter)

## Remember what Fire Danger tells you:

- ✓ Energy Release Component gives seasonal trends calculated from 2 pm temperature, humidity, daily temperature & rh ranges, and precip duration.
- ✓ Wind is NOT part of ERC calculation.
- ✓ Watch local conditions and variations across the landscape -- Fuel, Weather, Topography.
- ✓ Listen to weather forecasts -- especially WIND.

## Past Experience:

Kentucky fatalities have occurred when winds and slope aligned. Island Fork 4/8/1999 - Two Fatalities - Rowan Co. KY experienced blow up conditions Min RH 22%; Max Temp 83 deg.F Winds west @14w/gusts 35+

During green-up fire behavior can be surprisingly extreme even with low KBDI's Fire 782 was 3040 acres and started on 3/5/2000 Staffing Class 5 begins at a BI of 41 (80th percentile) and 100 Hr Fuels less than 15%

Heads up for Snags!

Responsible Agency: KY Interagency Fire Danger Team  
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