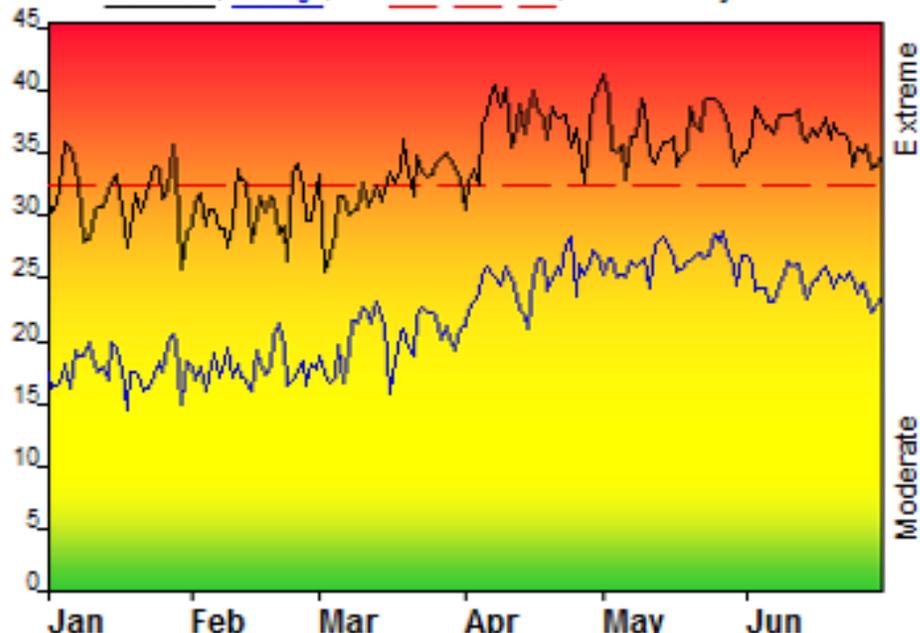


## FIRE DANGER -- South Coast

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



## Fire Danger Area:

- ◆ South Coast
- ◆ ILM, MHX
- ◆ Whiteville, New Bern
- \* Meets NWCG Wx Station Standards



## Fire Danger Interpretation:



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

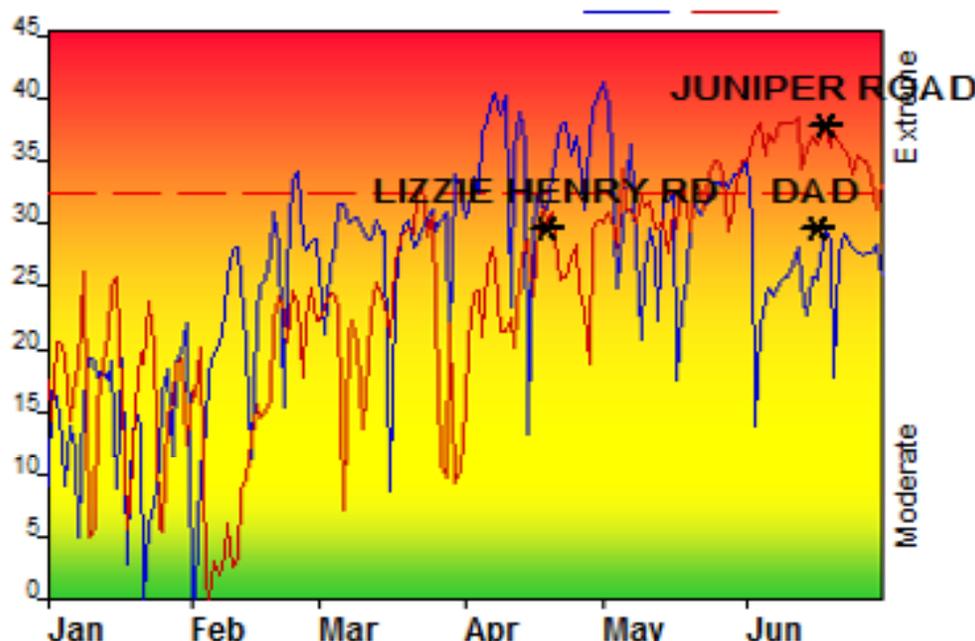
Maximum -- Highest Energy Release Component by day for 2000 - 2015

Average -- shows peak fire season over 16 years (2871 observations)

90th Percentile -- Only 10% of the 2871 days from 2000 - 2015 had an Energy Release Component above 32

**Local Thresholds - Watch out:** Combinations of any of these factors can greatly increase fire behavior:  
 20' Wind Speed over 10 mph, RH less than 35%,  
 Temperature over 77, 100-Hour Fuel Moisture less than 15

## Years to Remember: 2007 2011



Fuel Model: G- Short-Needle (Heavy Dead)

## 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:

Energy Release Component is a number relating to the available energy released from forest fuels (BTU / ft<sup>3</sup>) at the head of a fire's flaming front. ERC is a composite of all live & dead fuel moistures. It is a very good reflection of drought conditions. It is a "build up" type index. Given a fire start in a fuel with a high ERC, fire containment will be difficult. ERC is very valuable in assessing the depth of a burn, consumption of the various fuel sizes, residual burning, and mop-up requirements.

Past Experience	Date	Acres	ERC	100hr
Juniper Rd	6/18/2011	34,140	46	13
Dad	6/16/2012	21,331	30	15

Responsible Agency: NCFS

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