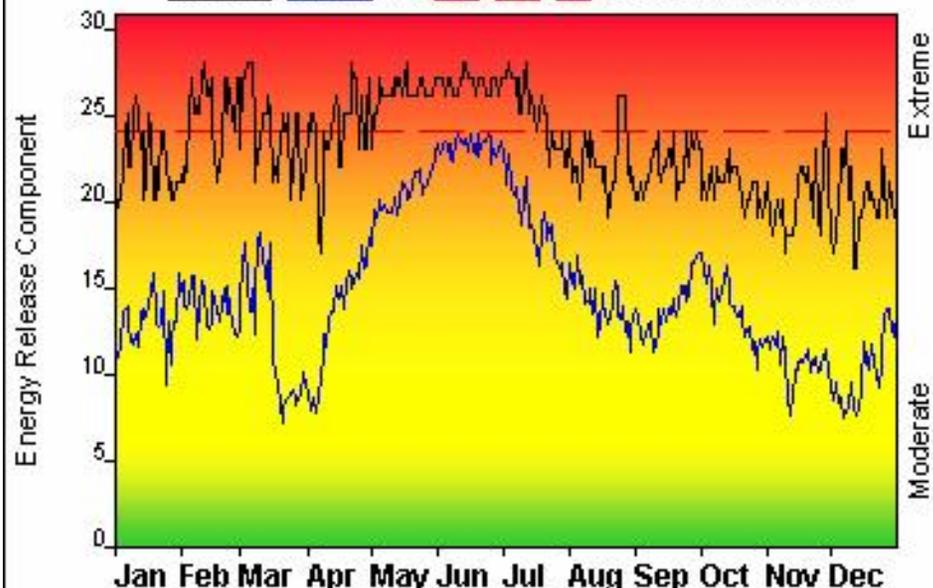


FIRE DANGER -- Tonto National Forest T Model

Maximum, Average, and 90th Percentile, based on 15 years data



Fire Danger Area:

- ◆ Central Arizona
- ◆ Weather Zone 133
- ◆ 020604 Roosevelt
- * Meets NWCG Wx Station Standards

Fire Danger Interpretation:



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

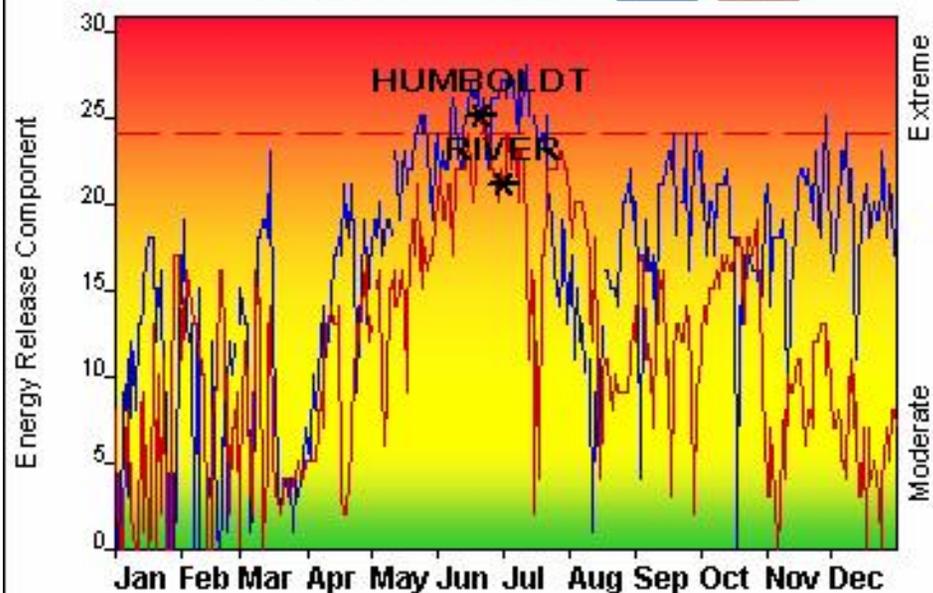
Maximum -- Highest Energy Release Component by day for 1993 - 2007

Average -- shows peak fire season over 15 years (4942 observations)

90th Percentile -- Only 10% of the 4942 days from 1993 - 2007 had an Energy Release Component above 24

Local Thresholds - Watch out: Combinations of any of these factors can greatly increase fire behavior:
 20' Wind Speed over 20 mph, RH less than 15%,
 Temperature over 90

Years to Remember: 2005 1995



Fuel Model: T - Sagebrush-Grass

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:

Characteristics of the T model observed on the Tonto:

- Erratic fire behavior associated with thunderstorm activity.
- Very little to no night time recovery.
- Flashy fuels react dramatically to changes in weather and topography (wind and slope).
- Heat stress is a serious concern, one must continually hydrate.

Treat fellow firefighters with respect.

Responsible Agency: Tonto National Forest
 FF+3.0.5 04/25/2007-09:41 (K:\afm\weather\NFDRS\020604 T model Pocket Card.mdb)

Design by NWCG Fire Danger Working Team