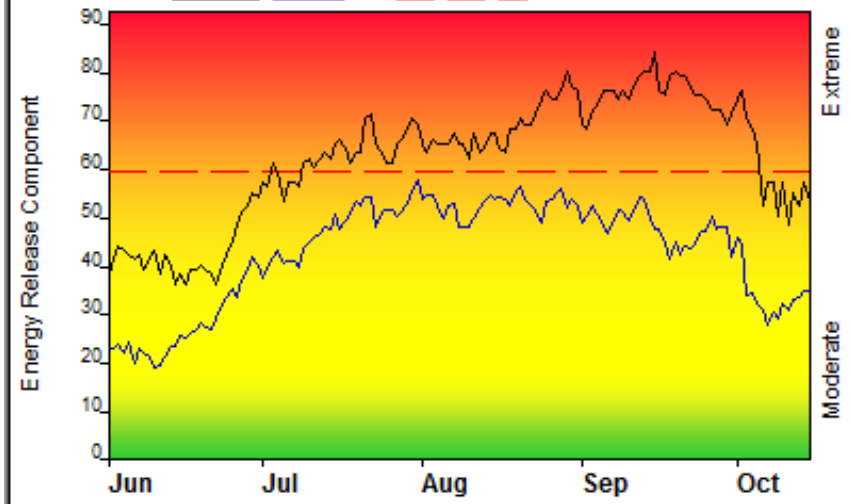
FIRE DANGER -- CGNF - Yellowstone/Gardiner

Maximum, Average, and 83th Percentile, based on 10 years data



Fire Danger Area:

- CGNF-Yellowstone/Gardiner
- FWZ 123, PSA NR12
- Main Boulder 244705
  * 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 2006 - 2015

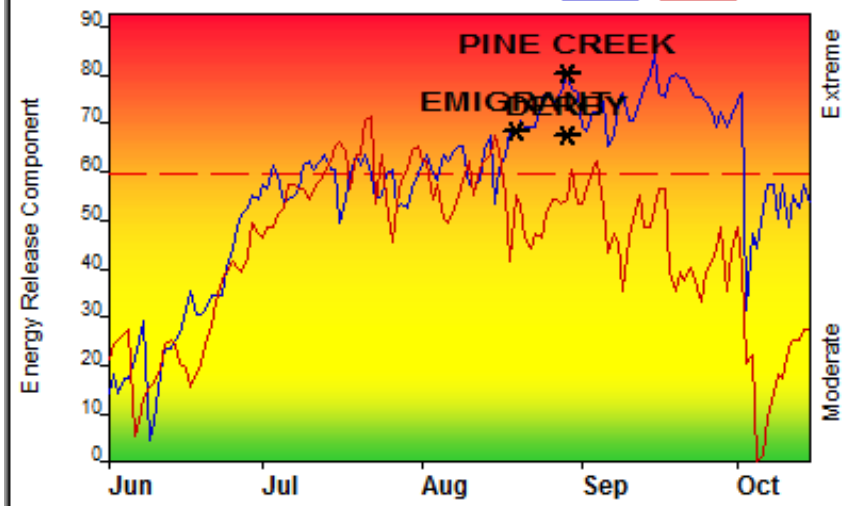
Average -- shows peak fire season over 10 years (1336 observations)

83th Percentile -- Only 17% of the 1336 days from 2006 - 2015 had an Energy Release Component above 59

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 80, **1000-Hour Fuel Moisture** less than 12

Years to Remember: 2012 2007



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:

Most large fires are WIND DRIVEN. Prevailing winds normally SW. However, EAST winds have resulted in high potential for HIGH rates of spread and spotting with independant crown fires possible. - Season-ending event normally occurs in late September. (>3/4" precip over 3 days.) Fires represent average range of weather conditions contributing to large fire growth.

Derby (8/29/06) 207,115 ac. (ERC 69 E wind. Ave 11 MPH, Max wind 40 mph RH 13%. Detected 1630 8/22/06.)

Pine Creek (8/29/2012) 8,612 ac. (ERC 80, SE wind, Ave 9 MPH, Max 44 MPH, RH 11%, detected 1505 8/29/12.)

Emmigrant (8/19/13), 10,850 ac. (ERC 74, SW wind, Ave 6MPH, Max 28 MPH, RH 11%, detected 1314 7/21/13)

Responsible Agency: USFS

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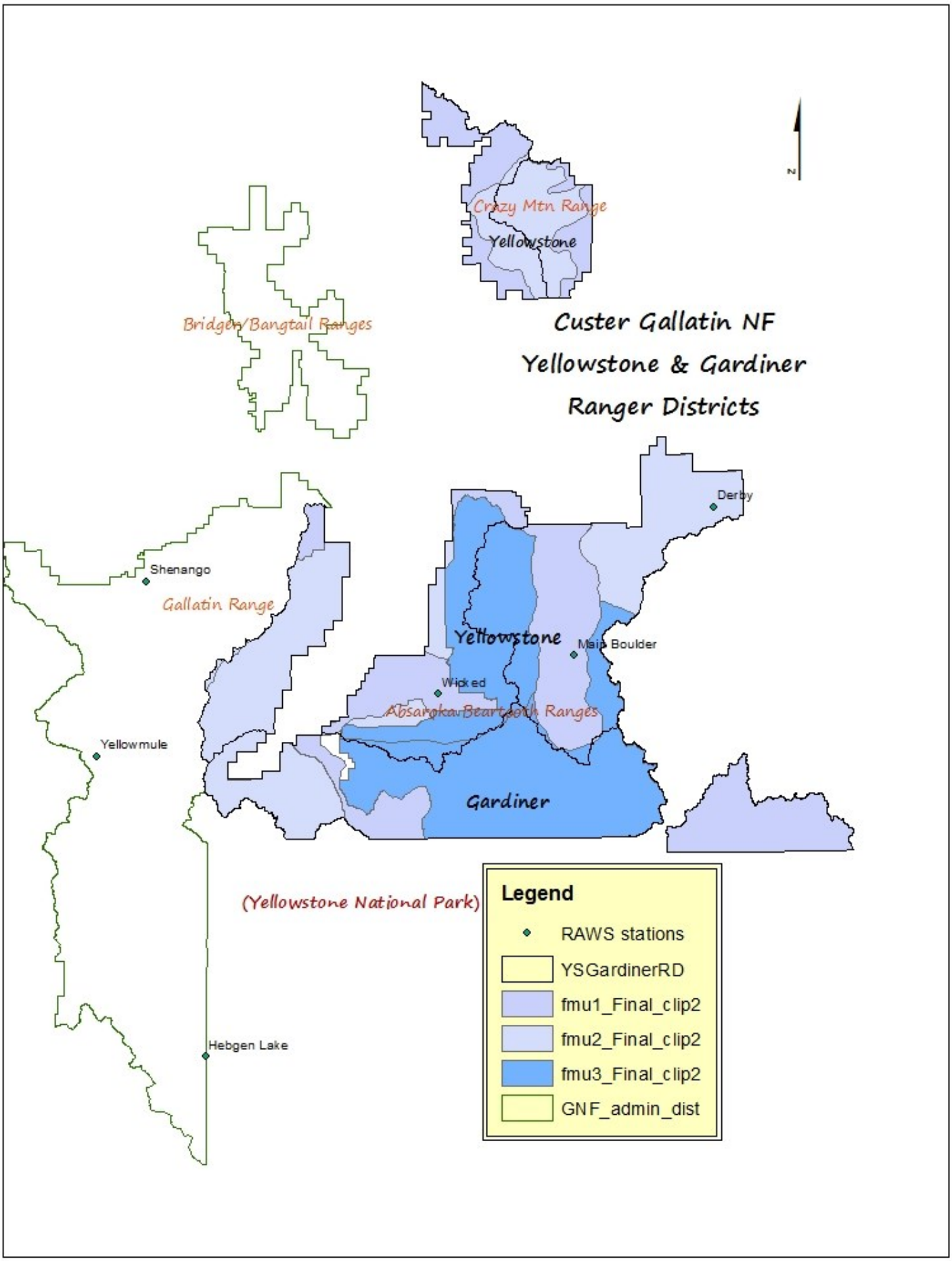
Design by NWCG Fire Danger Working Team


Crazy Mtn Range
Yellowstone
Bridger/Bangtail Ranges
Custer Gallatin NF
Yellowstone & Gardiner
Ranger Districts
Derby
Shenango
Gallatin Range
Yellowstone
Main Boulder
Wicked
Absaroka/Beartooth Ranges
Yellowmule
Gardiner
(Yellowstone National Park)
Hebgen Lake
Legend
RAWS stations
YSGardinerRD
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