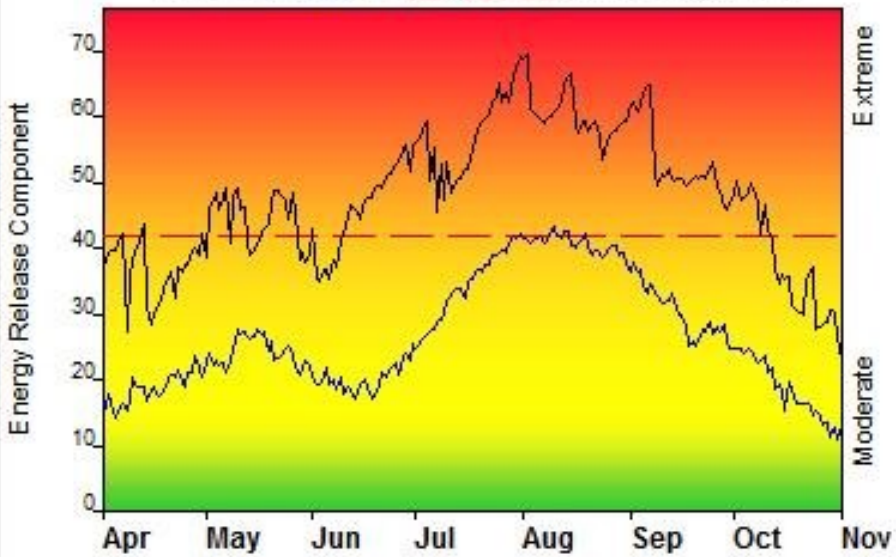
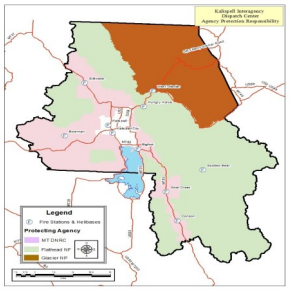
FIRE DANGER -- Kalispell Dispatch Area

Maximum, Average, and 84th Percentile, based on 23 years data

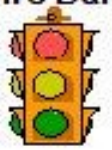


Fire Danger Area:

- Kalispell Dispatch Area
- FWZ 104N & 105W
- Valley Bottom 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 1993 - 2015

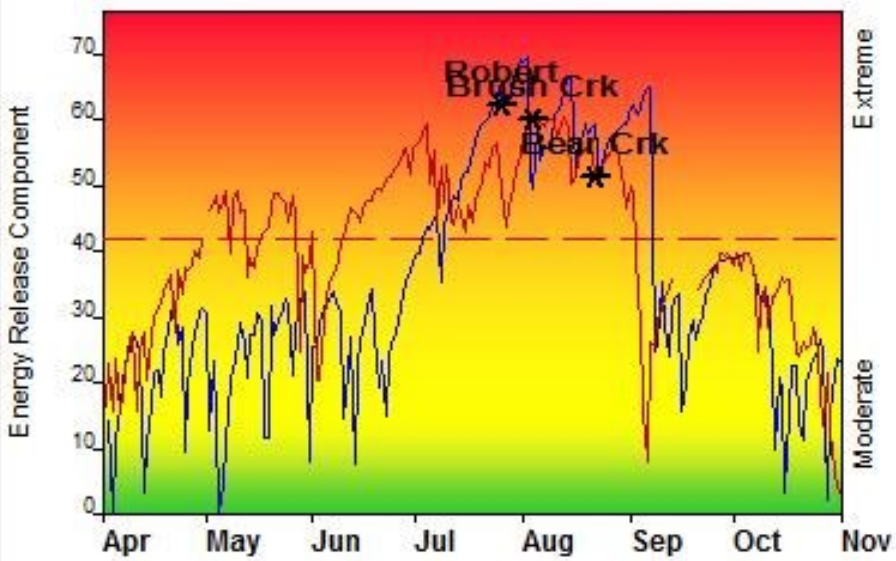
Average -- shows peak fire season over 23 years (4676 observations)

84th Percentile -- Only 16% of the 4676 days from 1993 - 2015 had an Energy Release Component above 42

Local Thresholds - Watch out:

Combinations of any of these factors can greatly increase fire behavior: **20' Wind Speed** over 10 mph, **RH** less than 25%, **Temperature** over 85, **1000-Hour Fuel Moisture** less than 15

Years to Remember: 2003 2015



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:

SIG=(Hgry Hrse 240217/Wst Glacier 240207/Spotted Bear RS 240214/Stillwater 240221/Condon 241502). Fires typically are fuels driven and terrain influenced. Stands with mortality expect increased potential transition to crown fire. Nrth aspects exhibit extr fire behavior when in drought conditions (1000hr less than 15%) or heavy mortality. Robert, Brush Crk and Bear Crk are examples of fires in 03', 07' & 15' that exhibited extr fire behavior primarily due to fuel conditions with wind accelerating rapid fire growth (dates of fires on graph correlate with large fire growth rather than start date). 03' was the current ERC setting fire season, with extended hot dry weather and dry fuels.

Responsible Agency: MT DNRC/FNF/GNP

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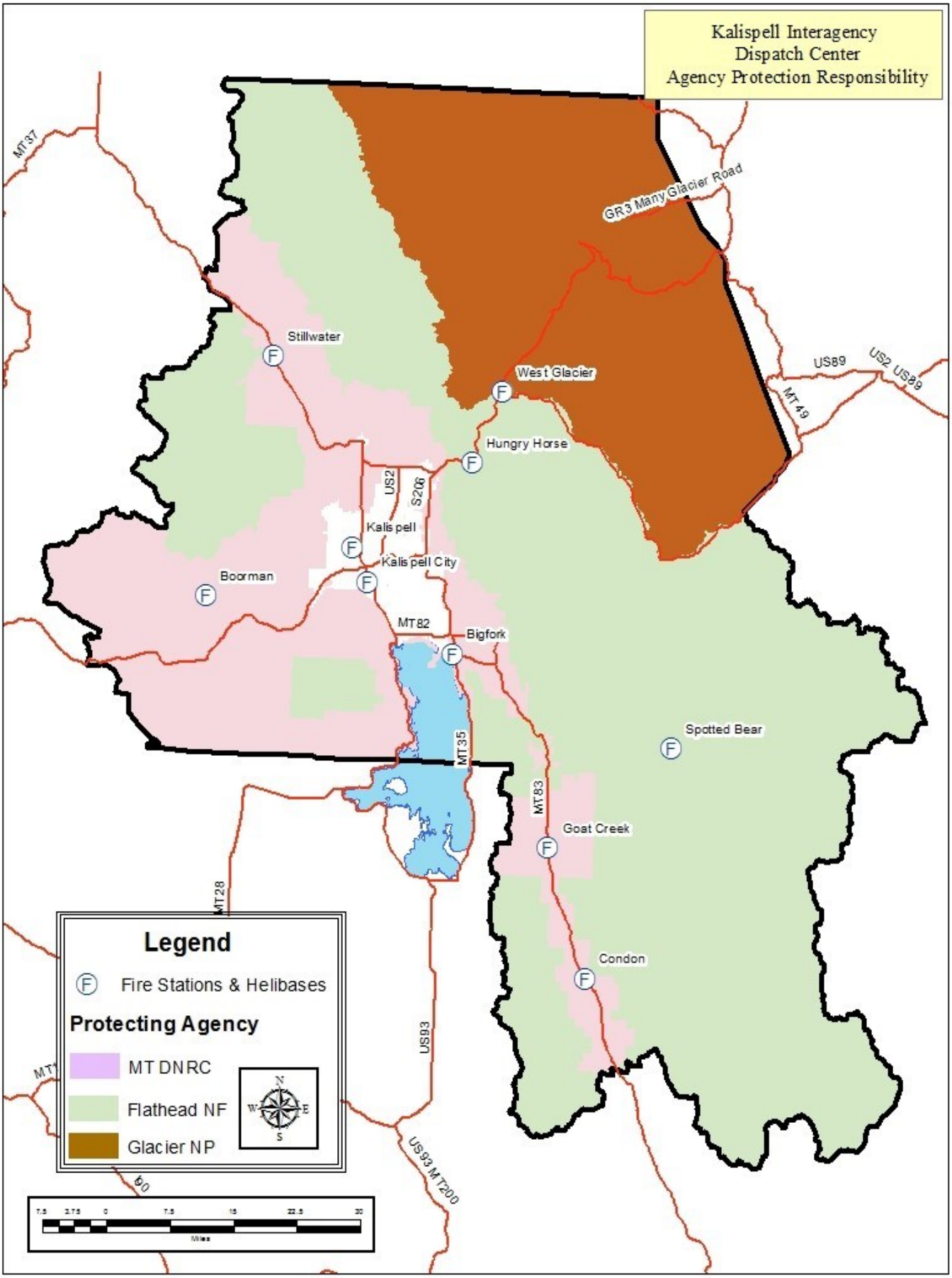
Design by NWCG Fire Danger Working Team


Kalispell Interagency
Dispatch Center
Agency Protection Responsibility
MT37
GR3 Many Glacier Road
Stillwater
West Glacier
US89
US2 US89
MT49
Hungry Horse
US2
S206
Kalispell
Kalispell City
Boorman
MT82
Bigfork
MT35
Spotted Bear
MT83
Goat Creek
MT28
Condon
US93
US93 MT200
Legend
Fire Stations & Helibases
Protecting Agency
MT DNRC
Flathead NF
Glacier NP
N
W
E
S
Miles