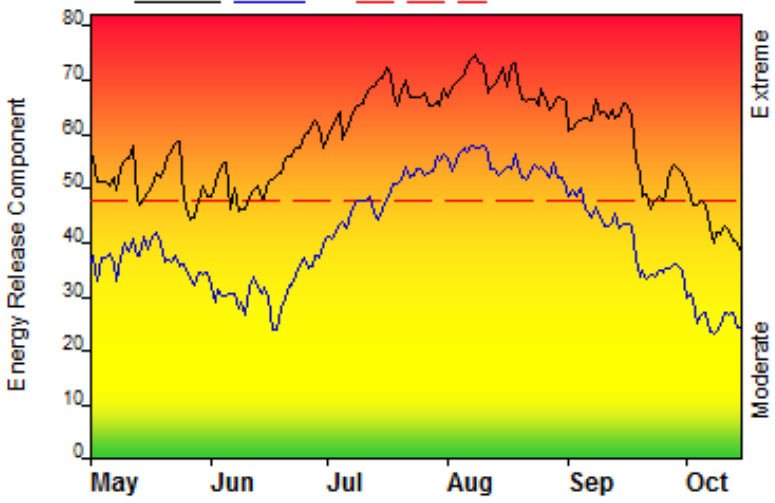
FIRE DANGER -- Kootenai NF Below 4000 feet

Maximum, Average, and 66th Percentile, based on 11 years data

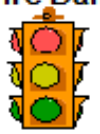


Fire Danger Area:

- KNF Below 4000 feet
- Wx Zone 104 Northwest MT
- KNF SIG
  * Meets NWCG Wx Station Standards

Kootenai NF – FDRA #2
See map on back

Fire Danger Interpretation:



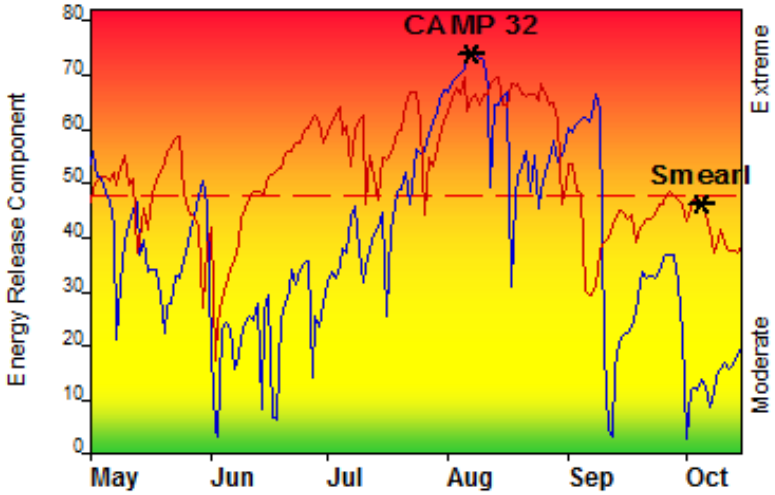
EXTREME -- Use extreme caution
(Caution) -- Watch for change
Moderate -- Lower Potential, but always be aware

Maximum -- Highest Energy Release Component by day for 2005 - 2015
Average -- shows peak fire season over 11 years (1844 observations)
66th Percentile -- Only 34% of the 1844 days from 2005 - 2015 had an Energy Release Component above 47

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 85, **1000-Hour Fuel Moisture** less than 15

Years to Remember: 2005 2015



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

Remember what Fire Danger tells you:

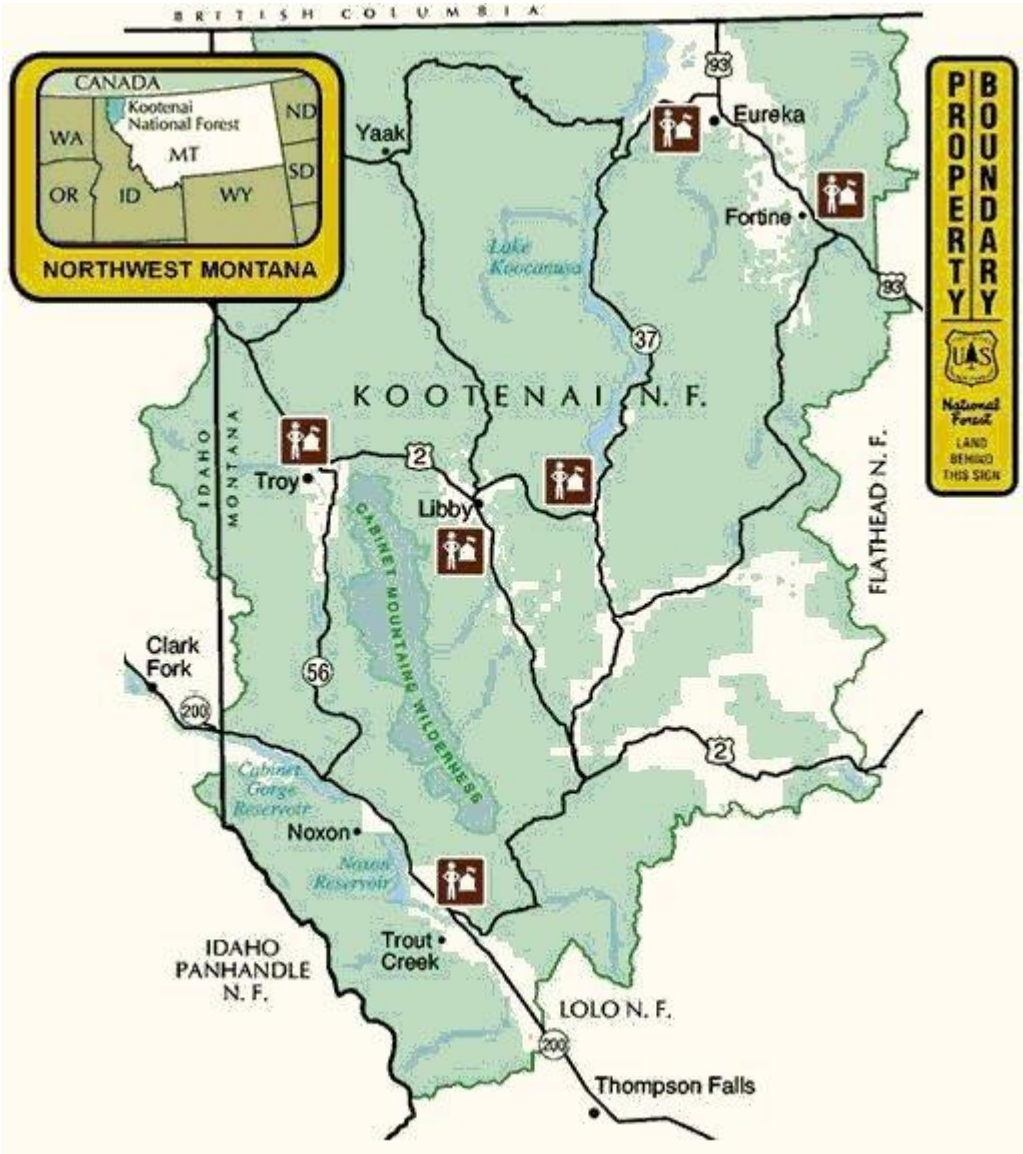
- ✓ Energy Release Component gives seasonal trends calculated from 2 pm temperature, humidity, daily temperature & rh ranges, and precip duration.
- ✓ Wind is NOT part of ERC calculation.
- ✓ Watch local conditions and variations across the landscape -- Fuel, Weather, Topography.
- ✓ Listen to weather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

Past Experience:

Critical factors for large fire growth 1) Multiple fire starts in a single day 2) 10 or more days since wetting rain (>=.1).
Valley bottoms on the KNF typically have 2 peak fire seasons, 1 pre green up in early spring & 1 when fuels cure starting mid-July. Light flashy fuels, WUI & multi-agency jurisdiction can make IA complex in this FDRA. Fires to remember, Camp 32 8/7/2005 made 800+ ac. run due to low FM's (10hr-4%, 1000hr-9%) winds 10-18+ mph started in slash transitioned to crowns. ERC's in 70's. Smearl 10/6/2015 made 150+ run due to steep slope, RH <20 & 1000 hr FM <15% ERC's in the 40's.
KNF SIG = wx stations from (Libby 240110, Troy 240112 & Eureka 240110)

Responsible Agency: USFS
FF+4.1 build 1622 05/26/2016-10:54 (C:\WorkSpace\FireFamilyPlus\newKNF2016)

Design by NWCG Fire Danger Working Team


BRITISH COLUMBIA
CANADA
Kootenai National Forest
WA
MT
ND
SD
OR
ID
WY
NORTHWEST MONTANA
Yaak
Eureka
Fortine
Lake Koocanusa
KOOTENAI N. F.
IDAHO
MONTANA
Troy
Libby
CABINET MOUNTAINS WILDERNESS
FLATHEAD N. F.
Clark Fork
Cabinet Gorge Reservoir
Noxon
Noxon Reservoir
Trout Creek
IDAHO PANHANDLE N. F.
LOLO N. F.
Thompson Falls
93
37
2
56
200
PROPERTY BOUNDARY
National Forest
LAND BEHIND THIS SIGN