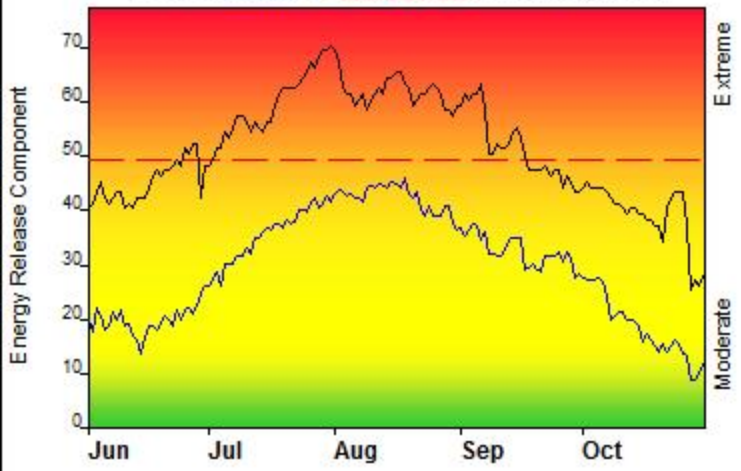
FIRE DANGER -- (Fire Danger Area)

Maximum, Average, and 90th Percentile, based on 20 years data



Fire Danger Area:

- CDC - Northern Mountains
- North/Central IDPanhandle
- Priest Lake RAWS (100204)
  * 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 1996 - 2015

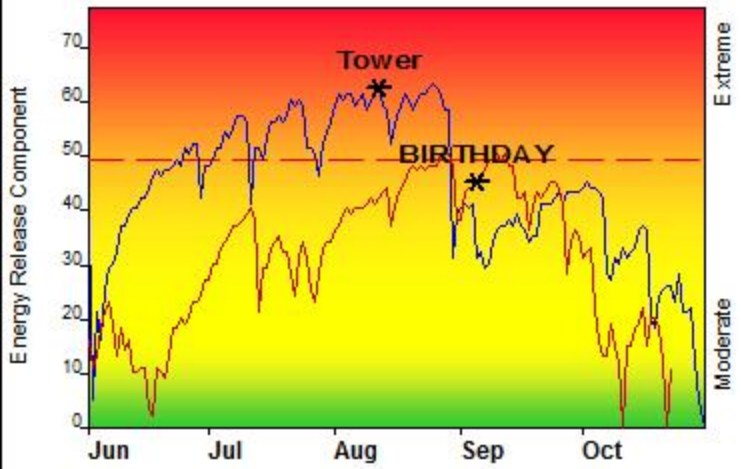
Average -- shows peak fire season over 20 years (3402 observations)

90th Percentile -- Only 10% of the 3402 days from 1996 - 2015 had an Energy Release Component above 49

Local Thresholds - Watch out:

Combinations of any of these factors can greatly increase fire behavior: **20' Wind Speed** over 15 mph, **RH** less than 20%, **Temperature** over 80, **1000-Hour Fuel Moisture** less than 15

Years to Remember: 2015 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.

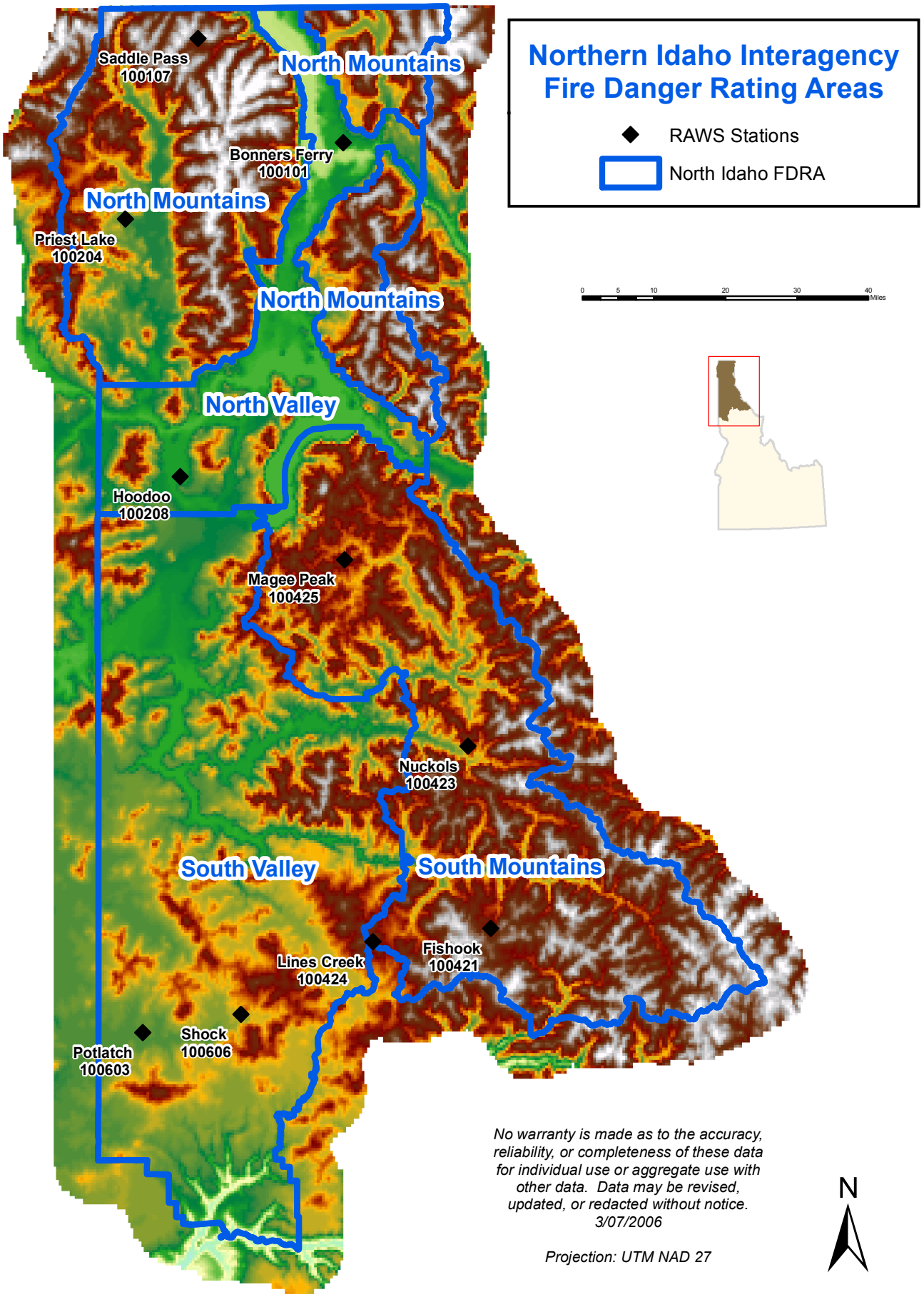
Past Experience:

- Drought conditions with lack of moisture (<1/4" in past 6 weeks) led to dry fuels in August 2015. A passing cold front with winds gusting to over 25mph and high temps (>90F) and low RH (<15%) caused the Tower Fire (24,685 ac) to escape IA and make a 6.5 mile 1-day run in heavy timber.
- The 2011 Birthday fire made a large run (600 ac) in spruce/fir with prolific spotting into areas where live fuel moistures were seasonably low (80%). High elevation (6000ft) temps were 81 F, RH's were 19%, and 1000-hr fuel moistures were low (11%).
- Pay attention to passing dry cold fronts, thermal belts, and low live fuel moistures that can increase fire activity.
- Online weather forecasts: FWZ 101 www.wrh.noaa.gov/otx

Responsible Agency: USFS, BLM, IDL, CDT

FF+4.1 build 1622 06/17/2016-15:03 (R:\loc\fire\NFDRS\Jerome_2016\Northern_Mtns_2016)

Design by NWCG Fire Danger Working Team



Map Created: 5/28/2015