Weather:

*** High Risk through Fri for Heat Wave conditions with very low day & nighttime RHs, strong thermal belts and periods of locally gusty afternoon winds ***

*** High Risk for Isolated to Scattered dry, fast moving thunderstorms over the NW Mtns, NE CA & Far Eastside from this morning to evening combined with gusty to strong afternoon winds ***

- Mix of Ridging, disturbance passages and various Tropical Moisture feeds thru the weekend, then potential for Pacific trough influences early next week.

- Heightened threat for high based/fast moving/drier Isolated to Widely Scattered showers/t-storms across NW areas (Mendocino & Trinity Counties) as well as the Far Eastside during morning hrs, then increasing in coverage during afternoon favoring NW Mtn, NE CA & Far Eastside PSAs with most of activity ending by mid evening.

- A few showers & T-storms possible near Lake Tahoe Thu afternoon/early eve.

- Lightning threat returns this weekend due to a Tropical moisture influx from Hurricane Kay but confidence in the details such as areal coverage & how much is still in question.

- Hot to very Hot surface conditions with Near to Record high temps & very warm overnight readings across a broad area of the region thru Fri including abundant instability, some cooling from south to north during the weekend due to cloud cover with additional cooling possible early next week due to onshore flow influences.
- Areas of W-SW breeziness today favoring Greater Bay Area, northern & eastern areas with pk gusts 20 to 30 mph with strong to very strong outflows a big concern across the north & east today.

- Areas of breeziness with variable directions Thu-Fri with gusty NE ridge winds across the far NW tonight thru Fri and gusty N-NE-E winds lower west slopes of Cascade-Sierra Ranges and within Sac Vly later Thu into Fri morning.

- Localized variable direction breezes continue during the weekend with possibility of a little more onshore NW-W-SW breezes early next week.

- Unusually low RH (both day-night) with strong Thermal Belts and a compressed Marine Layer thru Fri.

- Some moistening as the weekend progresses although dependent on the Tropical Moisture feed from Hurricane Kay.

- Potentially deeper onshore flow early next week should raise RH values a bit more across the near Coastal areas.

Fuels/Fire Potential:

- Fire danger will remain quite elevated through the week with High risk conditions expected across a broad area of the region. Heat Wave characteristics such as near record or record temps, widespread very low day & nighttime RHs and intense thermal belts as well as locally gusty winds, unstable afternoons and very flammable live/dead fuels will support rapid fire growth, enhanced large column potential, long range spotting and extended burn periods.

- Lightning during Heat Wave conditions is also a concern today and includes drier-fast moving activity favoring the north and east. Additional lightning threat will be possible during the weekend but confidence is lower at this time on the how much and where.

- Dead fuel moisture values will generally lower thru Fri although local fluctuations can be expected due to showers/t-storms today. Possible rise in values this weekend & early next week in areas but confidence lower on how much. ERCs are currently near or above the 97th percentile across most of the region. Records are being broken across many of the PSAs and a few PSAs (Sac Vly-Foothills & Diablo-Santa Cruz Mtns) could hit all-time record highs regardless of the time of year.

- Herbaceous grass and forbs are mostly cured below 6000 feet and mostly cured in the annuals and partly cured in the perennials above 6000 feet. Curing is most progressive within species that are found in fully exposed areas. Herbaceous fuel loading is generally considered to be near to above normal with above normal most prolific across the Modoc Plateau, Far Eastside and within portions of the Sac Vly-Foothills and Bay Area PSAs.

- Live Woody Brush-Shrubs & Tree Canopies are in a flammable state across the low and mid elevations. All species are curing across all elevations with the highest fuel moisture
conditions found across the most elevated locations. Chamise and for the most part Sage is critically flammable. Manzanita is curing and critically flammable across the low and most mid elevations and likely quickly curing across the upper elevations.

- **Fuels and Fire Behavior Advisory has been issued:** [https://www.predictiveservices.nifc.gov/fuels_fire-danger/Fuels_Fire_Behavior_Advisory_ONC_20220902.pdf](https://www.predictiveservices.nifc.gov/fuels_fire-danger/Fuels_Fire_Behavior_Advisory_ONC_20220902.pdf)

- For the latest long-term drought information in California go to: [https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?CA](https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?CA)

**Resources:**

**Preparedness Levels:**

- North Ops: 3
- South Ops: 3
- National: 4

**MACS Mode:** NOPS 3 and SOPS 2

For more information about this product, go to: [http://gacc.nifc.gov/oncc/predictive/weather/Fire%20Potential%20Documentation.htm](http://gacc.nifc.gov/oncc/predictive/weather/Fire%20Potential%20Documentation.htm)


**Forecaster:** JBW