North Ops 7-day Significant Fire Potential Outlook

Issued by North Ops Predictive Services, Redding CA

Published: Sunday July 24, 2022 6:40 AM PDT

<table>
<thead>
<tr>
<th>Predictive Service Area (PSA)</th>
<th>Sat 23 Jul</th>
<th>Sun 24 Jul</th>
<th>Mon 25 Jul</th>
<th>Tue 26 Jul</th>
<th>Wed 27 Jul</th>
<th>Thu 28 Jul</th>
<th>Fri 29 Jul</th>
<th>Sat 30 Jul</th>
</tr>
</thead>
<tbody>
<tr>
<td>NC01 - North Coast</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NC02 - Mid Coast To Mendocino</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NC03A - Bay Marine</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NC03B - Diablo-Santa Cruz Mtns</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NC04 - Northwestern Mtn</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NC05 - Sac Valley/Foothills</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NC06 - NE California</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NC07 - Northern Sierra</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NC08 - Far Eastside</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Weather:

*** Hot & dry with thunderstorm chances developing from Tue onward ***

- Strengthening upper level ridging offshore will shift inland this afternoon and remain overhead through Tue before slowly continuing east over the Great Basin mid to late week. A weak upper level low offshore Mon & Tue will begin a shift to SE flow aloft which will begin bringing some Monsoonal moisture influences into the area from Tue onward.

- **Isolated to widely scattered thunderstorm chances** will begin spread into the Nrn Sierra Mtns Tue afternoon & evening with highest lightning probabilities centered around the Tahoe Basin. A slight but lower chance for thunderstorm development exists over the NW Mtns as well.

- **Isolated to widely scattered thunderstorms are possible over broader portions of the N & E Mtns Wed & Thu** with isolated thunderstorm chances potentially continuing in eastern areas through the weekend.

- Further warming will bring well above normal temperatures through early week with unusually low RHs continuing both day and night in areas away from the immediate coast.

- An overall lighter than normal general wind pattern will continue today with locally breezy afternoon winds gusting 15-25 mph limited to the Greater Bay area and Delta coastal gap areas.

- W-SW to NW afternoon coastal gap winds will increase to 20-30 mph Mon & Tue and continue in that range through the week with a lighter than normal wind pattern persisting in inland areas.

- Afternoon inland RHs will continue to drop into the single digits & teens through Tue with poor overnight recoveries continuing along slopes & ridges. RHs will gradually moderate mid to late week as the presence of Monsoon moisture increases over the area but will still remain fairly low in inland areas.
Fuels/Fire Potential:

- Moderate risk potential will continue across most low and middle elevation portions of the region for the next 7-days driven by critically dry dead fuels, mostly cured herbaceous fuels and flammable shrubs & canopies with longer than normal burn periods possible due through early week due continued poor overnight RH recoveries.

- Some areas of higher risk are possible due to increased lightning potential this week following the prolonged hot & dry weather pattern but confidence in the amount and timing of the lightning still remains on the lower side.

- Dead fuel moisture values will continue to lower most areas during the next several days with near to below normal readings including critically low values away from Coastal influences. Some rising values could occur mid to late next week depending on Monsoon Moisture tendencies. ERCs values will range from the 90th to above the 97th percentile across most PSAs during the next 7 days with some near record high values for the time of year.

- Herbaceous grass and forbs are mostly cured below 4000 feet and mostly cured in the annuals and partly cured in the perennials between 4000 to 6500 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 mixed flammability state and most flammable across the lower elevations & some mid elevations. Pretty much all species are curing across the low & mid elevations with some late season moistening likely occurring across the highest elevations, generally above 7000-7500 feet. Curing is found in Chamise and is critically flammable while Sage is starting to enter into the critically flammable stage as it cures rapidly. Moisture within the Manzanita has generally peaked and is lowering and in some areas curing rapidly due to the recent heat while Ponderosa Pine and Douglas Fir are in a mixed flammability state based on elevation & aspect.

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

Resources:

Preparedness Levels:

North Ops: 2
South Ops: 2
National: 3

MACS Mode: NOPS and SOPS 2

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

For more general information about this product, go to: http://gacc.nifc.gov/oncc/predictive/weather/explanation_of_Sig_7-Day_Fire_Pot_product.doc

Forecaster: JER