



North Ops 7-day Significant Fire Potential Outlook

Issued by North Ops Predictive Services, Redding CA

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Predictive Service Area (PSA)	Thu 10 Jul	Fri 11 Jul	Sat 12 Jul	Sun 13 Jul	Mon 14 Jul	Tue 15 Jul	Wed 16 Jul	Thu 17 Jul
NC01 - North Coast								
NC02 - Mid Coast To Mendocino								
NC03A - Bay Marine								
NC03B - Diablo-Santa Cruz Mtns								
NC04 - Northwestern Mtn								
NC05 - Sac Valley/Foothills								
NC06 - NE California								
NC07 - Northern Sierras								
NC08 - Far Eastside								

Weather:

- **Heat wave conditions due to strong high pressure peak today thru Tue**, w/temps most above normal across northern & interior locations, including across the N Coast PSA, at 10-20F above normal. Interior valley highs likely 100-110F. Poor-mdt RH recoveries w/low Min RHs except along & near the coast & some sheltered deeper valleys.

- **Smoke**, mostly from the Butler & Green Fires, **will lead to some localized visibility & more widespread air quality reductions, mostly SW-SE of the fires today thru at least the weekend**. Visibility reductions affecting aviation are likely across portions of NE Humboldt, SW Siskiyou, & N-E Shasta counties, peaking in the evening to morning hours. **Visibilities likely mostly 3SM+ except immediately downwind in the vicinity of the fires**.

- **Overnight to morning breezy to locally windy N-NE winds over & to the lee of some ridges across the N, the Sierras, & the Sac Valley w/mdt-poor RH recoveries become lighter each day thru the weekend**. Breezes lingering across the Sac Valley this morning will not be present Sat.

- **Breezy to locally windy 20-35mph gusts from the west w/low RHs 20-40% likely, mainly afternoons to evenings, in portions of the bay to Sac River Delta area**. 20-30mph northerly gusts push into Siskiyou & Del Norte counties each afternoon-evening, but w/higher RHs. Elsewhere, terrain driven & sea breeze type winds are likely to dominate.

- Cumulus build-ups & a **very slight chance (<10%) of thunderstorms across the NW Mtns, NE CA, & Sierras each afternoon-evening today & Sat** as instability & a weak trough combine. **Chances increase slightly to 10-20% for the same areas Sun-Tue**. Storms likely to be isolated & pop-up variety over & near mtn areas, slow moving, & mixed wet/dry.

- **Sun thru the middle of next week a somewhat gusty W-SW flow is expected**, expanding in coverage across inland areas thru mid-week.

- Cooling to close to normal temps w/higher RHs gradually spreads inland from the bay area into the Sac Valley & along & near the coast beginning Tue & increasing mid-late next week as a weak trough along the Pac NW coast builds south.

Fuels/Fire Potential:

- **IA is likely to pick up this weekend into early next week** due to building heat & increasing dryness, periods of gusty winds, & the possibility of some isolated mixed dry/wet thunderstorms.

- **Dead Fuel** moistures become more flammable for most PSAs through the 7 Day period, but indices will begin to gradually lower early to mid next week from the SW. However, the Bay Marine PSA becomes less flammable after today due to increasing marine layer influences. **ERCs & BIs will be above normal across most PSAs w/ERCs reaching the 90-97th percentile range by the end of the period except across the bay area.** Due to limited wind, however, BIs will be below normal thru the period for NE CA & the Far-Eastside.

- **Herbaceous** grasses & forbs are experiencing transitional green-up across mid & upper elevations. Below 3500-4500ft they're either mostly cured or curing, rapidly west of the Crest. A lot of the annual grasses are cured or rapidly curing across most elevations E of the Crest. Herbaceous fuels across the lowlands and most non-sheltered mid elevations will promote heightened spread during elevated BI periods, including sudden outflow/downdraft moments.

- **Live Woody Brush-Shrubs & Tree Canopies** are experiencing mixed flammability with curing and moistening dependent on elevation and aspect. Chamise is curing and becoming more flammable while Manzanita has or is nearing its peak moistening stage. Sage is also curing and likely critically dry below 4500-5500ft. Brush is becoming more of a contributor to fire spread although critically flammable moisture values are more localized. This is the time of year when aspect is really important for determining flammable moisture levels.

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

For the latest short-term drought information in California go to: https://downloads.psl.noaa.gov/pub/Public/mhobbins/EDDI/USFS_CA2/EDDI_02mn.png

Resources:

Preparedness Levels:

North Ops: 3

South Ops: 3

National: 3

MACS Mode: NOPS 2 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: BTL