CALIFORNIA FIRE WEATHER ANNUAL OPERATING PLAN

2025

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CALIFORNIA ANNUAL OPERATING PLAN 2025

INTRODUCTION

The California Fire Weather Annual Operating Plan (AOP) constitutes an agreement between the California Wildfire Coordinating Group (CWCG) comprised of State, local government, and Federal land management agencies charged with the protection of life, property and resources within the State of California from threat of wildfire; and the National Weather Service (NWS), National Oceanic and Atmospheric Administration, U.S. Department of Commerce, charged with providing weather forecasts to the Nation for the protection of life and property.

The AOP provides specific procedural and policy information regarding the delivery of meteorological services to the fire management community in California. The NWS, CWCG, and Predictive Service Units (PSU) work closely in all phases of the fire weather forecasts and warning program to resolve concerns and avoid potential inconsistencies in products and services prior to delivery to fire agency customers. The goal of all agencies is to maximize firefighter and public safety through a coordinated delivery of consistent services.

Fire protection within California is made efficient by the statewide exchange among Federal, State, and local agencies of their responsibilities for the protection of certain lands. Non- federal wildland fire management agencies are by agreement protecting Federal lands, and therefore, require NWS fire weather forecasts and warnings. It is essential that all fire protection agencies receive coordinated fire weather and fire danger services. Roles and responsibilities of the NWS and the interagency fire management community are set forth in the following reference documents:

A. Roles and responsibilities of the NWS and the interagency fire management community are set forth in the following reference documents:
   - California Wildland Fire Coordinating Group documents
   - National Weather Service NWSI 10-401: Fire Weather Services
   - 2025 National Mobilization Guide
   - California Mobilization Guide – Chapter 60; focus on Predictive Services
   - NWCG Glossary

B. Participating agencies include the following:
   - Federal, State, and local fire agencies comprising the California Wildfire Coordinating Group (CWCG) and Predictive Services
   - The NOAA/National Weather Service offices serving California
   - Representatives from independent city/county fire agencie

Changes of Note for 2025

- LAL has been removed from all NWS fire weather products. Offices are exploring options to incorporate Prob Thunder in the FWFand FWS text products, as well as a graphical representation of Prob Thunder for IDSS, similar to what WFO Sacramento uses.
- Haines Index has been removed from all NWS fire weather products. California NWS Offices are encouraged to add instability/mixing height messaging in their FWF discussions when needed that could result in impacts to new or ongoing fires
- WIMS is expected to end this fall (estimated to be September 30, 2025), transitioning to FEMS system. At that time, the FWM (trend forecasts) will be automated
- Monterey Local WRF weather model will no longer be available
- Aim to standardize the Red Flag Warning format on a national basis, including PDS tag locations.

NWS Fire Weather Planning Forecasts

NWS Fire Weather Planning Forecasts provide general information for daily preparedness and planning purposes. Forecasts are subdivided into meteorologically and topographically similar forecast areas called zones. Because of their more generalized information, planning forecasts are never to be used as a spot forecast. The table below outlines issuance times of planning forecasts for each NWS office. The beginning and ending dates of high season forecast issuances vary by year, depending on weather and fuel conditions.

Weather Forecast Office	High Season Narrative Forecasts	Morning Narrative Forecast NLT	Afternoon Narrative Forecast NLT	Low Season Narrative Forecasts NLT	NWS Forecast Zones
Extreme Northern California – Medford	Year Round	7:30 a.m.	3:30 p.m.	Daily 7:30 a.m.	280-282, 284, 285
Northwest California – Eureka	Year Round	12:00 a.m.	12:00 p.m.	Daily 12:00 a.m.	201-204, 211, 212, 264,276 277, 283
North Central California – Sacramento	Year Round	7:30 a.m.**	3:30 p.m.	Daily 3:30 p.m..	213-221, 263, 266-269, 279
Extreme Eastern California – Reno	Usually by May 15 to November 1 #	7:30 a.m.	3:30 p.m.	Daily 7:00 a.m.	270-272,274, 278, 421
Bay Area/Central Coast California – San Francisco Bay Area/Monterey	Usually by June 1 to November 1 #	7:00 a.m.	3:30 p.m.	Daily 3:30 p.m.	006, 502-515, 516-518, 528-530
Central California Interior – San Joaquin Valley - Hanford	Year Round	7:00 a.m**.	3:30 p.m.	Daily 3:30 p.m.	298-299, 579, 580, 590-597
Southwest California – Los Angeles/Oxnard	Usually May 15 to December 1 #	9:30 a.m.	3:30 p.m.	M-F 3:30 p.m.	238,288, 340-353, 354-358, 362,366-370, 372-383,548
Extreme Southwest California – San Diego	Year Round	6:00 a.m.	2:30 p.m.	Daily 6:00 a.m.	552,554,243 248,250, 255-258, 260-262, 265
Southeast California – Phoenix	Usually April 15 to October 31 #	7:30 a.m.	3:30 p.m.	Daily 7:30 a.m.	230-232
Southeast California – Las Vegas	Usually mid-April to December 1 #	7:00 a.m.	3:30 p.m.	Daily 7:00 a.m.	226-229

** excludes Federal holidays*

*** FWF discussion will not be updated with this issuance*

 # Customer coordinated depending on weather/fuels: two weeks' notice preferred for NWS WFOs

Updated/Corrected forecasts – Planning Forecasts are updated or corrected upon issuance of a Fire Weather Watch or a Red Flag Warning, when the current forecast does

not adequately describe significant weather expected in the future, or when typographical/format errors prevent proper interpretation of the forecast.

Content and Format – Forecasts follow the national standard narrative format, per NWS Directive NWSI 10-401. Morning forecasts focus on the next 36 hours and afternoon forecasts on the next 48 hours, with general extended outlooks in both cases out to at least five days. See Appendix C for an example product.

Access - An interagency fire weather web page for California is available at: https://www.weather.gov/wrh/CAFW. This website serves as a portal for fire weather information for California, including links to fire weather forecasts, SPOT forecasts, current conditions, and much more. All NWS fire weather information can also be accessed from the NWS National Fire Weather Page at: www. weather.gov/ fire. Forecasts are also available via WIMS.

Emergency Communication Center Dispatch Area (ECCDA) Forecast Summaries are also available from this web site. These simplified fire weather summaries are meant to be used for fire agency radio broadcasts while at the same time providing the most essential daily weather information. Any Red Flag Warning or Fire Weather Watch headlines shown in the ECCDA Forecast Summaries are linked to the actual watch or warning product. All forecast segments within an ECCDA are listed at the beginning of the forecast and can be mouse clicked to jump immediately to that segment.

Spot Forecasts

The National Spot page can be found here: https://spot.weather.gov/

Spot Forecasts are detailed site-specific forecasts issued for wildfires, HAZMAT incidents, prescribed burns, search and rescue operations, etc., and are made available upon request at any time. Spot forecasts are available to any federal, state, or municipal agency as described in NWSI 10-401.

Requesting a Spot Forecast: Spot forecasts are normally requested and received via the internet from the spot page, the national NWS Fire Weather web page, and all NWS forecast office fire weather web pages. If internet access is not available, spot forecasts may be requested via phone. At or before the time of a spot request, the requesting agency must provide information about the location, topography, fuel type(s), elevation(s), size, ignition time, and a contact name(s) and telephone number(s) of the responsible land management personnel. Also, quality representative observation(s) at, or near, the site of the planned prescribed burn, or wildfire, should be available to the NWS along with the request for a spot forecast(s).

In the initial attack phase of a new wildfire that presents an immediate threat to firefighters and/or the public (such as an urban interface fire in critical fuels and weather), the NWS may be called directly for a quick verbal briefing prior to a formal spot forecast issuance as time/communications allow.

Content and Format – National standard content and format for NWS spot forecasts can be found in NWS Directive 10-401

Spot forecasts are considered one-time requests and are not updated unless the following procedures are used:

Scheduled Spot Forecast Update Requests –

For wildfires and other high impact incidents: Scheduled updated spot forecast requests, such as for an upcoming shift briefing, should be submitted to the NWS at least two hours before being needed.

For prescribed burns and other non-urgent projects: Scheduled updated spot forecast requests should be made with as much lead time as possible. For a long-term project, a spot forecast update schedule provided to the NWS will help that office provide the best spot forecast service.

Unscheduled Spot Forecast Requests –

Forecasts for unscheduled updates for prescribed burn spots, either due to a specific request based on the weather at the site or due to monitoring invoked by the phrase, "Request Priority Monitoring" or similar in the remarks section of the spot forecast request, will be issued as soon as possible and no longer than two hours after it is recognized that an update is desirable. As with all NWS products, spot forecasts are corrected when a typographical or format error prevents correct interpretation of the forecast. Corrected forecasts are delivered to agencies in the same manner as the original spot forecast.

Spot Forecast Feedback - Requesting agencies should always provide fire-line weather observations for the validation of weather forecast accuracy back to the NWS.

Smoke Trajectory Forecasts – Automated HYSPLIT trajectory output is available with any spot forecast request and can be useful as a tool to help with smoke trajectory forecasting. The HYSPLIT trajectory model provides automated trajectory guidance for air parcels at a given height above ground level. To utilize this feature, simply check YES on the "NOAA Hysplit Model" option found on the spot request form.

When the run is complete, you will receive an email with output that consists of a table of values, a gif HYSPLIT trajectory map, and a KMZ trajectory map for loading into Google Earth. This email is separate from the actual spot forecast. Please note that this HYSPLIT output does not take into account information on burn size or fuels and generates air parcel trajectory forecasts for 500, 1500, and 3000 meters AGL and does not incorporate any fire plume height data.

HYSPLIT Dispersion Forecasts – If a HYSPLIT plume dispersion model run is needed **the associated NWS office must be contacted to obtain the information for the request**. To run a HYSPLIT plume dispersion model, the NWS forecaster enters this information then shares the model results with the requester (usually a link that expires at 48 hours). This is not the same as the automated trajectory output (YES/NO trajectory option in the spot request) that is automatically generated.

For more information on HYSPLIT and how to interpret the output, please contact your local NWS fire weather program leader.

Red Flag Program

Fire Weather Watches and Red Flag Warnings are issued when the combination of fuels and weather conditions support extreme fire danger and/or fire behavior.

A *Fire Weather Watch* is used to alert agencies to the potential for development of a Red Flag event in the 18-96 hour time frame (at least 50% confidence). The Watch may be issued for all or selected portions of a fire weather zone or zones.

A *Red Flag Warning* is used to inform agencies of the impending or occurring Red Flag conditions. A Red Flag Warning is issued when there is high confidence that Red Flag criteria will be met within the next 48 hours or less, or criteria are already being met. Longer lead times are allowed when confidence is very high or the fire danger situation is critical. The Warning may be issued for all or selected portions of a fire weather zone or zones.

Fire Weather Watch and/or Red Flag Warning headlines are included in all affected forecasts. All NWS fire weather web pages also highlight any watch and/or warning issuances.

Format and Contents - A bullet format text message (RFW) is used for issuing, updating, and canceling all Fire Weather Watches and Red Flag Warnings. Complete information regarding the format, content and examples of Fire Weather Watches and Red Flag Warnings can be found here:
https://www.weather.gov/media/directives/010_pdfs/pd01004001curr.pdf

NWS offices normally call affected dispatch offices and affected agencies as well as their respective GACCs when Red Flag Warnings and Fire Weather Watches are issued or updated. Watches and Warnings are available on the internet via the California Fire Weather web page, the web site(s) of the issuing NWS office(s), the NWS National Fire Weather Page and (www.weather.gov/fire) and from WIMS.

If a Red Flag Warning or Fire Weather Watch requires an update of the forecast, the NWS office will verbally notify the Redding and Riverside PSUs as soon as possible. During non-duty hours for the PSUs, the Fire Weather Duty Officer can be contacted on the 24 hour phone line provided in the contact section of this document. A voice mail message should be provided by the NWS if they are having trouble making contact.

Fire Weather Watches and/or Red Flag Warnings from NWS offices are normally issued after an accurate assessment of fuel conditions has been determined (see "Qualifying Fuels Information" section) while also conferring with one or more affected agencies, including the GACC Predictive Services Units.

Red Flag Warning Particularly Dangerous Situation (PDS):

NWS Weather Forecast Offices serving California have the option to use the phrase "Particularly Dangerous Situation", also known as a PDS, within the Red Flag Warning **headline and body** of the product (i.e., this is not a new RFW product). The objective is to highlight exceptional fire weather conditions (combination of meteorological and fuels) considered rare and/or especially impactful to the public and firefighting community. Where appropriate, inclusion of the PDS language shall be coordinated between adjacent offices prior to product issuance and messaging. It is also encouraged to coordinate with SPC, so that PDS RFW and SPC's "Extreme Critical" description line up when possible, realizing that it will not always be a perfect match.

See Appendix C for an example product.

Watch/Warning Fuel Requirements:

Live and/or dead fuels are sufficiently receptive (dry) so that fire starts from any cause may become an initial attack problem for fire agencies in the Fire Weather Zone(s) impacted. Fuel dryness and receptiveness may be determined from the following sources:

1) The Fuel Dryness Level from the 7-Day Significant Fire Potential Matrix posted by the associated GACC Predictive Services Unit
2) Local Fuels Specialist to determine if fuels are dry enough in (portions of) the Predictive Service Area(s) and/or Fire Weather Zone(s) and may constitute an initial attack problem
3) High to Extreme Fire Danger as determined by the local Fire Agency
4) Field Sample Database within Fire Environment Mapping System (FEMS) located at: https://fems.fs2c.usda.gov/

Qualifying Fuels Information:

The Fuel Dryness Level is a component of the current 7-Day Significant Fire Potential Matrix produced by GACC Predictive Services Units. The fuel dryness level must normally be in a brown or yellow dryness category or have a high risk rating for the Fire Weather Zone(s), or portions, expected to be impacted. If the fuel dryness level in the chart is green, the Predictive Services Unit is forecasting fuels to be too wet, or becoming too wet, for imminent large fire concern.

However, the NWS Forecaster may take additional steps to assess whether the fuel dryness applies to all or part of the Predictive Service Area or Fire Weather Zone(s). In these cases, the NWS should contact the local Fuels Specialist to determine if fuels have been dry enough for a sufficient period of time to be an initial attack concern in those specific areas.

When predictive services issues a "High Risk" forecast in the 7-Day matrix, it indicates fuels and weather conditions are conducive to a significantly higher than normal chance (20% or higher) of a new large fire or for significant growth to occur on existing fires. RFW issuances may not align with all "High Risk" days, but "High Risk" days are communicated to NWS offices and consideration of RFW issuances is appropriate when Predictive Services Units are predicting 'High Risk days.

- Non-Desert areas: When a fuel condition of "Dry" (yellow), "Very Dry" (brown), or "High Risk" (Orange or Red) is displayed on the matrix for any Predictive Service Area (PSA), the "fuels switch" will be considered "on" for that day. A RFW is normally NOT recommended for any PSA designated as "Moist" (green).

  If fuel loading or dryness conditions occur, or are predicted to occur, that create above normal concern for large fire initiation or growth, the GACC Predictive Services Units may issue a Fuels and Fire Behavior Advisory to update and clearly communicate this impact to all NWS Weather Forecast Offices in the geographic area.

- Desert areas: (excluding the lower Colorado River Valley): During dry winters and the spring curing season, fuel moistures over the deserts may be quite low without initiating serious concerns about the potential for large fire growth, despite a "Dry" (yellow), or "Very Dry" (brown) that may be displayed in the 7-Day Significant Fire Potential Matrix. Reasons include light fuel loading and/or discontinuous fuel, or even the existence of dry fine fuels when larger live fuels remain relatively green.

  A RFW may be issued for desert PSAs designated as "Very Dry" (brown). A RFW is NOT recommended for any desert PSA designated as "Dry" (yellow).

  If antecedent conditions during the winter and early spring months suggest a significant shift in spatial trends and loading of desert fuels that would lead to a heightened risk in large fire potential, the California GACC Predictive Services Units may issue a **Fuels and Fire Behavior Advisory** to update and clearly communicate this impact to all NWS Weather Forecast Offices in the geographic area.

  Outside of any advisory, the Daily 7-Day Significant Fire Potential product, specifically the Fuel Dryness matrix and accompanying Fuels and Fire Discussion, will provide the NWS Forecaster with the appropriate information needed for any issuance of a watch or warning for desert areas.

Specialized NWS Decision Support Services

NWS offices serving California offer a variety of specialized Decision Support Services for the fire community. These include special fire weather webinars, briefings, targeted emails, and daily or event-driven conference calls. These can also serve as an opportunity for fire agencies and emergency management to ask questions or discuss local fuel conditions. NWS offices may also use GOES satellites to quickly discover new wildfire hotspots and notify fire partners. For more information on hotspot notifications, please see Appendix D. To learn more about these services, or to be notified of any event-driven services, contact the fire weather program manager for respective NWS offices.

IMET Incident Response

In addition to following direction in the National Mobilization Guide, the following direction is clarification for the Geographic Area Coordination Centers (GACC) in California:

When an IMET is requested for an incident, **the request will be placed to the GACC.** If Northern or Southern California GACCs are unable to fill an IMET locally, then the GACC will notify the National Fire Weather Operations Coordinator (NFWOC) at NIFC at 1-877-323-IMET (4638).

The GACCs will maintain a list of qualified IMETs and trainees in the Interagency Resource Ordering Capability (IROC) program by Weather Forecasting Office (WFO) identifier, and provide dispatching services for the NWS in California. This list will be updated annually based on the information published in the California Fire Weather Annual Operating Plan. IMETs will be dispatched by the GACCs in California just as if they are GACC employees.

When the NFWOC determines who will fill the incident request, the information will be relayed back to the GACC. If the IMET is within the requesting GACC, the IMET will be mobilized using IROC.

If the IMET is in the California GACC that is not hosting the incident, the request will be placed through IROC to the other GACC.

If the identified IMET is not in a California WFO, the IMET request will be edited to add a Name Request and placed up to NICC who will place the request to the appropriate GACC. The request shall include the **Standard equipment: Laptop computer, printer, cellular phone. Four-wheel drive SUV, Pickup, or similar rental vehicle authorized.**

The following list designates which California GACC will status and dispatch personnel for the California WFOs. Status can be maintained available/Local until requested to reduce work:

Redding PS
Eureka WFO
Sacramento WFO

Riverside PS
Hanford WFO
Los Angeles/Oxnard WFO
San Diego WFO
San Francisco/Monterey WFO

IMET personnel from Medford WFO, Reno WFO, Phoenix WFO and Las Vegas WFO shall be requested through NICC to their respective GACC using a Name Request.

The procedures for requesting IMETs will follow the guidelines outlined in the National Interagency Agreement, Administrative Procedures section of the current National Mobilization Guide, and Personnel section of the current California Mobilization Guide.

The following information will be provided to the requested IMET:

- Name of fire
- Location of fire
- Name of Incident Commander, Plans Chief, and Fire Behavior Analyst, if available.
- Directions to Incident Command Post where the IMET is to report.
- Resource Order number for IMET

Additionally, the user agency is responsible for providing adequate shelter to allow the equipment and fire weather meteorologist to function efficiently. This would include a location that is free of excessive dust, heat and moisture, protection from wind and other elements, table, and chair. Transportation and shelter arrangements should be made at the time of request; 120 volt AC power is desirable. IMETs may be asked to email their incident matrix to partner agencies.

The following is a list of IMETs, and All-hazard Meteorological Response System (AMRS) in the Northern and Southern California Area:

Northern and Southern California Area IMETs
(T) designates a trainee

NWS IMETs:

Location	Name	Agency	IROC Unit ID
Eureka, CA	James White	NWS	CA-EKAW
Hanford, CA	None	NWS	
Las Vegas, NV	Andy Gorelow	NWS	NV-VEFW
Medford, OR	Thomas Wright Brian Nieuwenhuis (T) Joseph Guerrero (T)	NWS NWS NWS	OR-MFRW OR-MFRW OR-MFRW
Monterey, CA	Ryan Walbrun Matt Mehle Lamont Bain Dylan Flynn (T)	NWS NWS NWS NWS	CA-MTRW CA-MTRW CA-MTRW CA-MTRW
Oxnard, CA	Rich Thompson Kristan Lund (T) Rose Schoenfeld (T)	NWS NWS NWS	CA-LOXW CA-LOXW CA-LOXW
Phoenix, AZ	None	NWS	
Reno, NV	Tony Fuentes Colin McKellar	NWS NWS	NV-REVW NV-REVW
Sacramento, CA	Eric Kurth Katrina Hand	NWS NWS	CA-STOW CA-STOW
San Diego, CA	David Munyan (T)	NWS	CA-SGXW

Non-NWS IMETs:

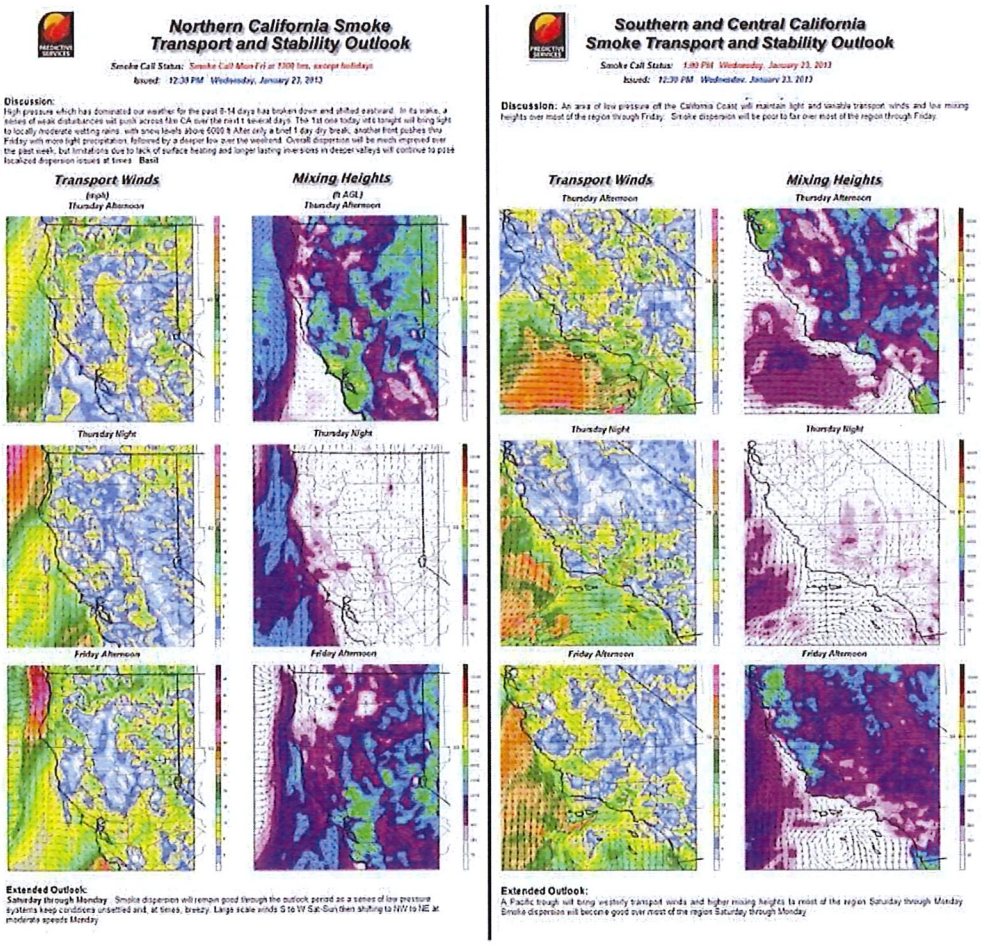
Location	Name	Agency	IROC Unit ID

North Ops	Brent Wachter	USFS	CA-R05
North Ops	Julia Ruthford	USFS	CA-R05
North Ops	Brett Lutz	BLM	CA-CSO
Orange Cty, CA	Pete Curran	BFA	CA-BFA
South Ops	Jonathan O'Brien (T)	USFS	CA-R05

Smoke Management

The **Smoke Transport and Stability Product** provides burners, and all other interested parties with a high resolution graphical display of *Transport Winds* (horizontal dispersion) and *Mixing Heights* (vertical dispersion), as well as an overall narrative describing general weather patterns, with an emphasis on smoke dispersion. An extended forecast describes expected large scale weather conditions for the 3-5 day period, again with an emphasis on smoke dispersion. At the top in red font is the Smoke Call Status, listing the next ***Daily Smoke Call***. This is a conference call hosted by Predictive Services and the California Air Resource Board, along with various participants on the federal, state, and local level interested in discussing burning conditions and air quality based burn allowances across the state.

Issuance Schedule: Issued 1230 pm PT, daily during fire season and M-F during low season.



Product Links:

Northern California Smoke Transport and Stability Outlook:

http://gacc.nifc.gov/oncc/predictive/weather/daily_smoke/Smoke.html
http://gacc.nifc.gov/oncc/predictive/weather/daily_smoke/Smoke.pdf

Southern California Smoke Transport and Stability Outlook:
http://gacc.nifc.gov/oscc/predictive/weather/daily_smoke/Smoke.pdf

US Forest Service AirFire: https://portal.airfire.org/

When requested, the National Weather Service provides mixing height, transport wind, and HYSPLIT output on spot forecasts. See the "SPOT Forecast" section to determine how to request a spot forecast and HYSPLIT smoke trajectory.

Air Resource Advisor (ARA)

The need for an ARA depends on conditions related to the incident, topography, weather, population, exposure risk, dispersion and area attainment designation. An incident smoke footprint can often span multiple air quality and public health jurisdictions as well as state boundaries. As such, the need for an ARA will be based on coordination between incident, community, state, tribal and air quality administrators. ARA ordering procedures can be found on page 28 of the NIFC Mobilization Guide.

Resource orders for ARAs will usually be initiated by incidents or Agency Administrators with assistance from the Regional Air Program in coordination with the WO FAM Smoke Coordinator. Prior to a formal ARA order, regional prioritization and national availability will be coordinated between the WO FAM Smoke Coordinator and the Regional Air Program representative. After determination of strategy and need, all will be name requests by the WO FAM Smoke Coordinator and submitted through normal overhead resource ordering channels (e.g. IROC). Duty locations may vary from on-site at Incidents to the GACC depending on the needs of the situation. Air Quality Monitoring equipment can be ordered through the Regional Air Program representative. The Regional Air Program representative will lead ARA coordination with smoke monitoring partners such as the California Air Resources Board Office of Emergency Services, Tribes, respective Air Quality Management Districts, and the FS national cache. GACC Duty Meteorologists and/or the Regional Air Program Leader can be called to help facilitate the dispatch process if problems arise.

Location	Name	Agency	Unit ID
North Ops	Brent Wachter Brett Lutz (T)	USFS	CA-R05
South Ops	Kristen Allison	USFS	CA-R05

7-Day Significant Fire Potential Product

The 7-Day Significant Fire Potential product is a forecast of potential significant fire activity across the Geographic Area through the next seven days based on expected weather and fuel conditions and historical fire occurrence in similar conditions. A "Significant" or "Large" Fire" is defined by size, generally ranging from 50-500 acres, depending on the Predictive Service Area. The product contains a table displaying fuel dryness and, when appropriate, significant weather triggers. The product also contains a narrative section consisting of a weather synopsis, a fuels and fire potential discussion, and a resource capability summary as defined in the California Mobilization Guide.

Fuel Conditions or Fuel Dryness
Fuel Dryness is a function of the Energy Release Component (ERC) combined with either the ten hour (F10) or the one hundred hour (F100) dead fuel moisture. These indices have been correlated to historical fire activity to form three categories of Fuel Dryness, displayed by the following colors in the product:

Green (Moist Fuels) – Little to no risk of large fires.

Yellow (Dry Fuels) – Low risk of large fires when a Significant Weather Trigger is absent.

Brown (Very Dry Fuels) – Moderate risk of large fires when a Significant Weather Trigger is absent.

Significant Weather Triggers
Significant Weather Triggers are weather events that either start new fires (ignition trigger), or provide favorable conditions (burn environment) for rapid growth to occur on existing fires when combined with "Dry" or "Very Dry" fuel conditions. The following is a list of Significant Weather Triggers used in the product.

- Lightning
- Windy
- Unseasonably hot (during dry summer conditions)

High Risk Day
High Risk Days are rare occasions when conditions exist that historically have yielded a significantly higher than normal chance (20% or higher) for a new large fire or for significant growth to occur on existing fires.

There are two conditions that would lead to the issuance of a High Risk Day: 1) Ignition Trigger or, 2) A Critical Burn Environment.

(Red) – Ignition Trigger. Occurs when a "Dry" or "Very Dry" Fuel Dryness category coexists with lightning.

(Orange) – Critical Burn Environment. Occurs when a "Dry" or "Very Dry" Fuel Dryness category coexists with any of the Significant Weather Triggers other than lightning.

This product is issued by 0845 local time. Predictive Services will coordinate with the appropriate National Weather Service office(s) concerning the issuance of any High Risk Days. High Risk days may not align with RFW issuances, but RWF issuances from the NWS are communicated to GACC Predictive Services Units, and consideration of high risk forecast issuances is appropriate when NWS office(s) are issuing RFWs.

Webpage URL:

North: https://fsapps.nwcg.gov/psp/npsg/forecast#/outlooks?state=map&gaccId=4

South: https://fsapps.nwcg.gov/psp/npsg/forecast#/outlo oks?state=map&gaccId=8

Monthly/Seasonal Outlook

This product combines all available meteorological, climate, fuels, and fire danger information to produce an outlook of large fire potential for the next 4 months. Current and future trends of weather, fuel, and drought conditions are discussed to give context to the large fire potential outlook. When appropriate, areas of large fire potential and resource utilization, relative to normal will be overlaid on maps showing the Geographical Area. This product is issued year round, prepared a few days prior to the start of the new month and posted on the website by the first of each month.

North: http://gacc.nifc.gov/oncc/predictive/outlooks/Outlook_NOps.pdf

South: http://gacc.nifc.gov/oscc/predictive/outlooks/myfiles/assessment.pdf

Predictive Services Podcast

Predictive Services produces a 3-6 minute audio/visual briefing describing weather, fuels, and fire potential information for the Geographic Area for the next 5 to 7 days. The audio/visual briefing is generally available by 9 am from South Ops and 9:30 am from North Ops.

Issuance Schedule:
North Ops: Monday and Thursday during off season; daily during fire season
South Ops: M-W-F in winter, daily during fire season

Links:
North Ops: https://gacc.nifc.gov/oncc/predictive/weather/brief_files/brief.mp4

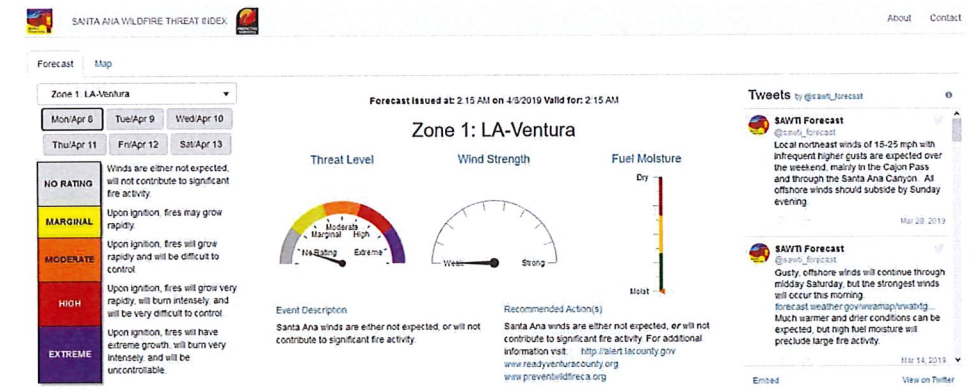
South Ops: https://gacc.nifc.gov/oscc/predictive/weather/myfiles/Webcast.html

Santa Ana Wildfire Threat Index (South Ops Only)

The Santa Ana Wildfire Threat Index (SAWTI) categorizes Santa Ana winds based on anticipated fire potential. The index uses a comprehensive, state-of-the-art predictive model that includes dead fuel moisture, live fuel moisture, and the greenness of annual grasses to create a detailed daily assessment of the fuel conditions across Southern California. This information is coupled with calibrated weather model output (comprised of wind speed and atmospheric moisture), to generate a forecast of Large Fire Potential. The Large Fire Potential output is then compared to climatological data and historical fire occurrence to establish the index rating, which has **four categories** ranging from Marginal to Extreme

Issuance Time: By 7:30 am.

Location: https://fsapps.nwcg.gov/psp/sawti. Also on X @sawti_forecast



Joint Responsibilities

The National Weather Service (NWS) and the California Wildland Fire Coordination Group Operations Committee have established and chartered a joint Fire Weather Program Assessment Team (FWPAT) to evaluate fire weather services in California. This team makes recommendations for improvements and/or changes to the program, and they also help ensure fire weather information is coordinated between agencies.

Training

Meteorological training can be provided by both NWS and Predictive Services (PS). The NWS forecast offices primarily handle local courses that occur within their area of responsibility. Predictive Services' primary role is with regional and national level courses.

Requests for training from NWS offices should be directed to that office's Fire Weather focal point or the Meteorologist-In-Charge. If the office is not able to provide an instructor for a course, that office will assume the responsibility for finding an instructor. Requests for training from the PS units should be directed to the Training Coordinator or PS program manager. In all cases, sufficient advance notice (≥ six weeks whenever possible) should be given to allow for scheduling and proper preparation.

Costs incurred by NWS in providing training assistance (other than salary costs for a normal non-holiday weekday) will be borne by the requesting agency. Costs incurred by PS instructors are covered in their annual budget, without need for reimbursement.

Below is a table outlining the availability of the instructors based on qualifications for 2024:

Name Of Office	Instructors qualified to teach S-190, S-290, RT-130	Other Classes that the listed office has at least one meteorologist qualified to instruct
Redding Predictive Services	Brent Wachter Julia Ruthford Brett Lutz	S-390, S-490, S-491, RX-410 WIMS, S-144, ECCO, RX-300, S-244, S-495, S-590
Riverside Predictive Services	Jonathan O'Brien Kristen Stewart Eric Drewitz Matthew Shameson	S-390, S-490
Eureka	James White	S-390
Hanford	Vacant	S-390, RX-300
Las Vegas	Andy Gorelow Dan Berc	S-390

Medford	Tom Wright	S-390
Monterey	Ryan Walbrun Matt Mehle Lamont Bain	S-390, S-490, S-590
Oxnard	Dave Gomberg Rich Thompson Carol Smith	S-390, S-490
Phoenix	Alex Young	S-390
Reno	Tony Fuentes Colin McKellar	S-390, S-490, RX-410
Sacramento	Eric Kurth Katrina Hand	S-390
San Diego	Stefanie Sullivan David Munyan	S-390
Orange County	Pete Curran - CA State Fire Instructor	S-390

Coordination Conference Calls

Coordination conference calls will be conducted as needed between the GACC Predictive Service Units, the NWS Weather Forecast Offices, and IMETs dispatched to GACC's area primarily during the high fire season. WFOs will need to monitor the status of coordination conference calls each day after a beginning date has been established. Calls will continue until Predictive Services decides that they are no longer needed for the remainder of the season. WFOs will need to contact their respective PS unit to obtain the phone number and conference code. NWSChat on Slack can also be used as a coordination tool. Dispatched IMETs can reach out to GACC admins (North Ops and South Ops) to get added to private coordination channels during deployment.

PS Unit	Notification page
North Ops	https://gacc.nifc.gov/oncc/predictive/weather/conf_call.html
South Ops	https://gacc.nifc.gov/oscc/predictive/weather/daily_weather/conf_call.txt

Wildfire Forecast and Threat Intelligence Integration Center (WFTIIC)

The WFTIIC is a state-lead effort (California) intended to create an integrated hub for wildfire forecasting, weather information, threat intelligence gathering, decision support tools, and information dissemination aggregated from data, products, and information from federal and state agencies, utilities, and academic institutions. The products, tools, services, and information centralized and disseminated by the WFTIIC are created in coordination/collaboration and complement products including weather, intelligence and fire analysis products produced by the Predictive Services Units at each California GACC.

Established by California Senate Bill 209 (Dodd, 2019-2020), the WFTIIC has been in

operation and jointly managed by the California Governor's Office of Emergency Services (Cal OES) and the California Department of Forestry and Fire Protection (CAL FIRE) since 2022. In addition to the primary managing state agencies, multiple other state and federal agencies, academic institutions, and utility companies participate in the WFTIIC at various levels. The NWS is one of these additional agencies, with an NWS liaison embedded in the WFTIIC at its offices, located at Cal OES Headquarters in Mather, CA. See contact information section for details. WFTIIC website: https://hub.wftiic.ca.gov/.

National Fire Danger Rating System (NFDRS) Forecasts

The NWS provides 7-day point weather forecasts for weather parameters that permit the NFDRS software to predict the subsequent day's fire danger indices which the land management agencies utilize for fire management decision support.

Criteria for Issuance – The NWS will issue daily forecasts for use by the NFDRS during periods determined in consultation with land management agencies by 1500 LST/1600 LDT/2300 Z. The observation data that the land management agencies utilize for NFDRS outputs is typically available to the agencies between 1300 LST/1400 LDT/ 2100 Z and 1340 LST/1440 LDT/2140 Z. Depending on local needs, these times can vary. It is important that land management agencies and their supporting WFO discuss and mutually agree to the timeframes that best meet their collective needs.Users who fail to meet the last collective, and want an NFDRS forecast for the following day, must coordinate with their local WFO to try and arrange for an updated forecast.

Solutions to on-going timeliness problems should be coordinated between the local user, WFO and GACC Predictive Services Unit. NWS forecasters should contact the USFS Fire & Aviation Management Helpdesk (24/7) (1-866-224-7677) for assistance in dealing with WIMS issues.

The Predictive Service units will notify the NWS of any new or relocated NFDRS stations.

NFDRS Collective and Bulletin Times (local variations allowed depending on need)

WFO	GATEWAY Routine	Header	1st OBS Collective	2nd OBS Collective	Forecast Obs	GATEWAY Routine	Header	Observed NFDRS Indices Bulletin #1	Observed NFDRS Indices Bulletin #2	Forecast NFDRS Indices Bulletin #1	Forecast NFDRS Indices Bulletin #2
Eureka	SENDOBS	SHUS66	2145	2215	2245	SENDNFDR	FNUS46	2145	2215	2245	none
Hanford	SENDOBS	SHUS66	2145	2215	2245	SENDNFDR	FNUS46	2145	2215	2245	none
Las Vegas	SENDOBS	SHUS65	2115	2230	2245	SENDNFDR	FNUS45	2115	2230	2245	2245
Los Angeles	SENDOBS	SHUS66	2145	2200	2245	SENDNFDR	FNUS46	2145	2200	2245	none
Medford	SENDOBS	SHUS66	2155	2215	2305	SENDNFDR	FNUS46	2200	2215	2305	none
Monterey	SENDOBS	SHUS66	2130	2200	2245	SENDNFDR	FNUS46	2145	2200	2245	none

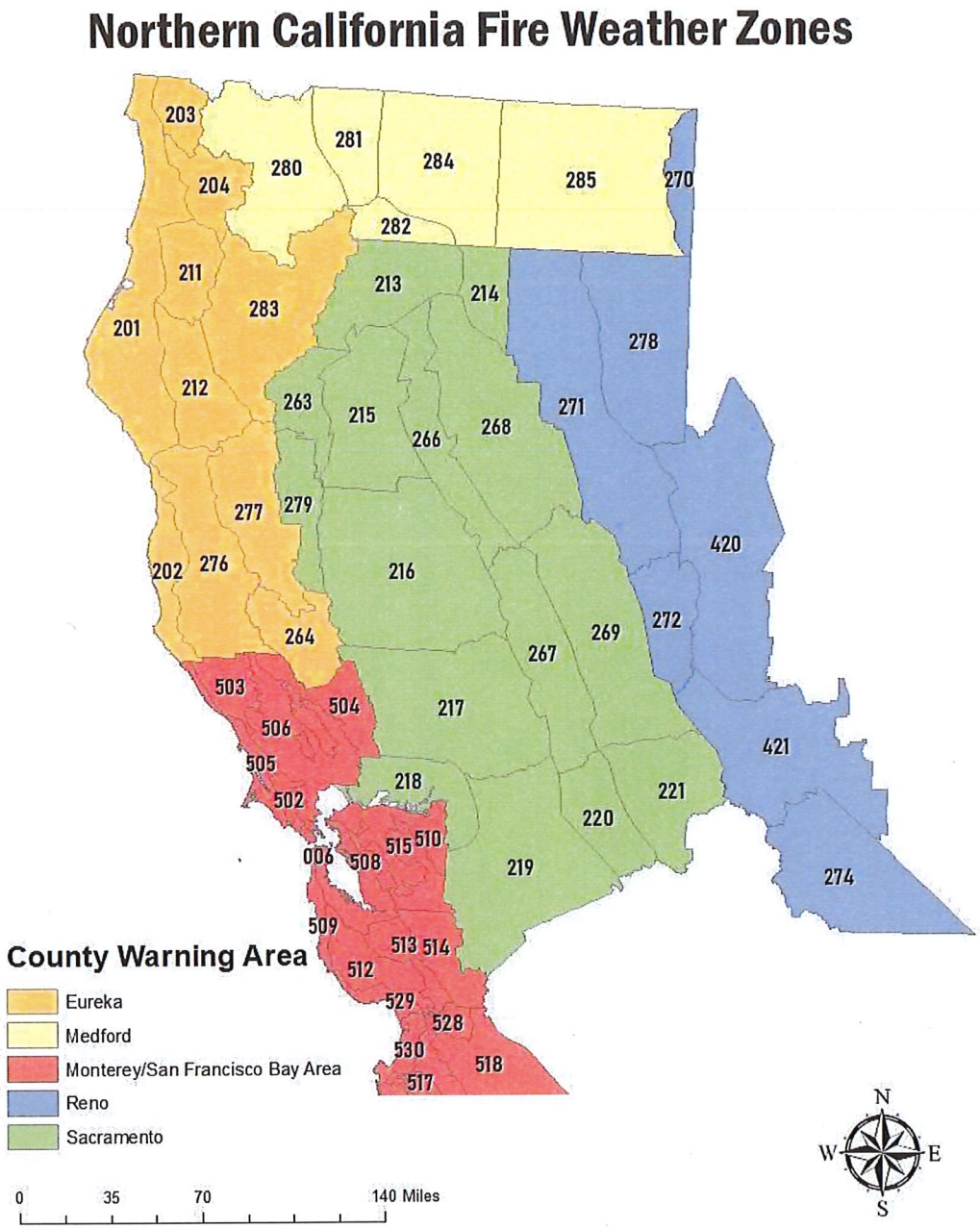
Phoenix	*SENDO BS*	*SHUS65*	*2115*	*2200*	*2245*	*SENDNF DR*	*FNUS45*	*2115*	*2200*	*2245*	*none*
Reno	*SENDO BS*	*SHUS65*	*2145*	*2200*	*2255*	*SENDNF DR*	*FNUS45*	*2150*	*2205*	*2245*	*none*
Sacramento	*SENDO BS*	*SHUS66*	*2145*	*2205*	*2301*	*SENDNF DR*	*FNUS46*	*2145*	*2205*	*2245*	*none*
San Diego	*SENDO BS*	*SHUS66*	*2145*	*2200*	*2245*	*SENDNF DR*	*FNUS46*	*2145*	*2200*	*2245*	*none*

Contact Information

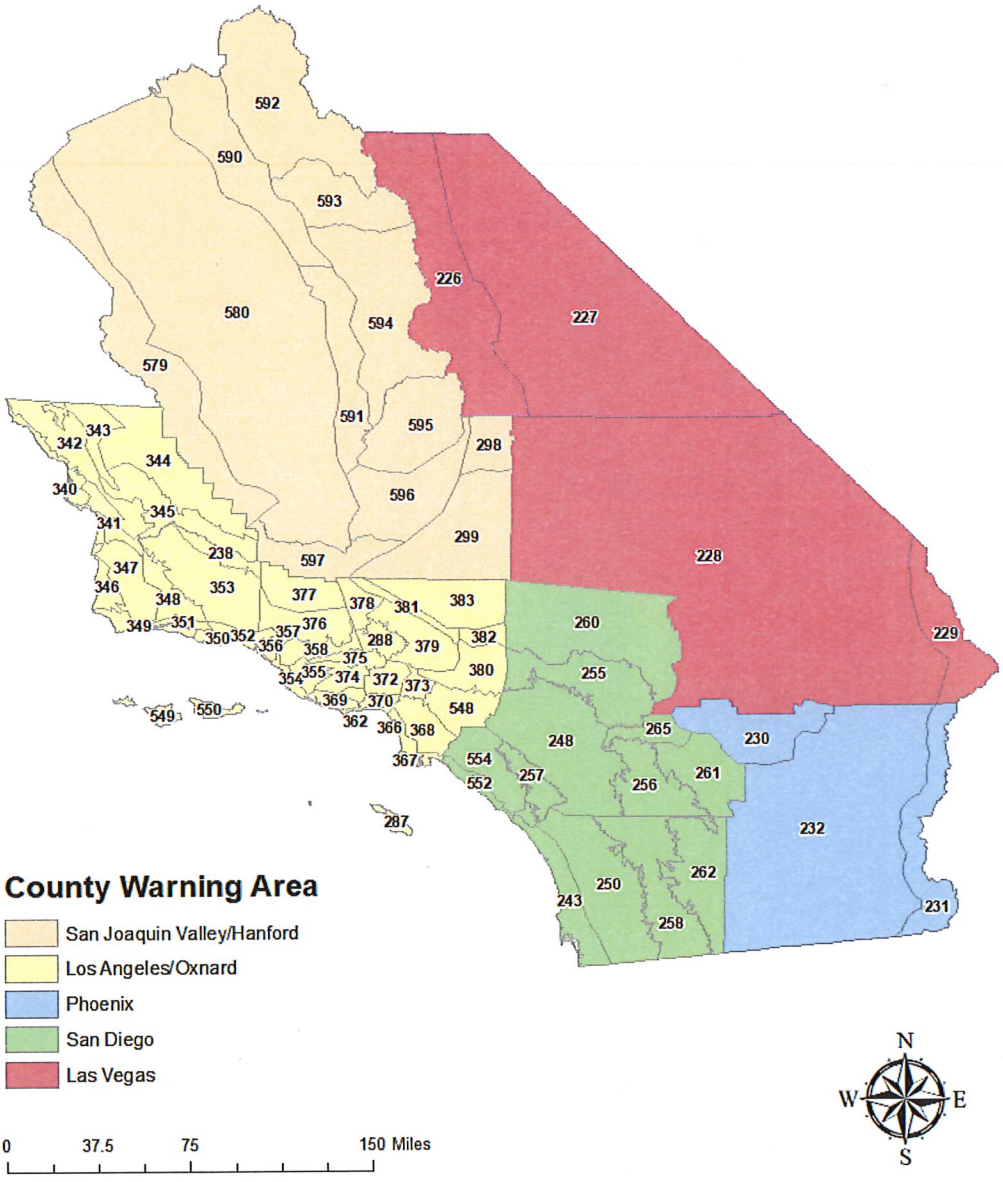
Office	Name	Position
Northern California PSU 6101 Airport Road, Redding, CA 96002 24hr Duty Chief: 530 226-2873, Office: 530-226-2730 FAX Number: (530) 226-2742 WEB: https://gacc.nifc.gov/oncc/predictive/weather/index.htm Office Email: redding.fwx@fire.ca.gov Hours: Fire Season 6am-430pm daily, Low Season 7am-5pm M-F	Billy Gardunio Julia Ruthford Brent Wachter Brett Lutz Kevin Osborne	USFS PS Program Lead/Fire Analyst USFS GACC Meteorologist (IMET) USFS GACC Meteorologist BLM GACC Meteorologist (IMET) USFS Fire Analyst
Southern California PSU 23300 Castle Street, Riverside, CA 92518 24hr Weather Duty Officer: (951) 214-6923 FAX Number: (951) 276-6439 WEB: https://gacc.nifc.gov/oscc/predictive/weather/index.htm Office Email: sm.fs.osc_ps@usda.gov Hours: Daily 6-4	Kristen Allison Matt Shameson Jonathan O'Brien Kristen Stewart Eric Drewitz	USFS PS Program Lead/Fire Analyst USFS GACC Meteorologist USFS GACC Meteorologist/IMET(T) USFS GACC Meteorologist USFS GACC Meteorologist
NWS Eureka Forecast Office 300 Startare Dr. Eureka, CA 95501-6000 FAX Number: (707) 443-6195 WEB: https://www.weather.gov/eureka Backup Offices: WFO Monterey and WFO Medford	Troy Nicolini James White Ryan Aylward	Meteorologist In Charge Fire Weather Program Manager/IMET Warning Coordination Meteorologist
NWS Hanford Forecast Office 900 Foggy Bottom Rd. Hanford, CA 93230-5236 FAX Number: (559) 584-1152 WEB: https://www.weather.gov/hanford Backup Office: WFO Sacramento	Jerald Meadows Vacant Felix Castro	Meteorologist In Charge Fire Weather Program Manager Warning Coordination Meteorologist
NWS Las Vegas Forecast Office 7851 Dean Martin Dr. Las Vegas, NV 89139-6628 FAX Number: (702) 263-9759 WEB: https://www.weather.gov/lasvegas Backup Offices: WFO Flagstaff and WFO Reno	Marcus Austin Andy Gorelow Daniel Berc	Meteorologist In Charge Fire Weather Program Mgr. / IMET Warning Coordination Meteorologist
NWS Los Angeles/Oxnard Forecast Office 520 N. Elevar St. Oxnard, CA 93030 FAX Number: (805) 988-6613 WEB: https://www.weather.gov/losangeles Backup Offices: WFO San Diego and WFO Monterey	Ariel Cohen Dave Gomberg Rich Thompson Vacant	Meteorologist In Charge Fire Weather Program Manger IMET Warning Coordination Meteorologist

NWS Medford Forecast Office 4003 Cirrus Dr. Medford, OR 97504 FAX Number: (541) 776-4333 WEB: https://www.weather.gov/medford Backup Offices: WFO Eureka, WFO Portland	Vacant Charles Smith Bradley Schaaf Tom Wright Joseph Guerrero Brian Niewwenhuis	Meteorologist In Charge Fire Weather Program Managers Warning Coordination Meteorologist IMET IMET (Trainee) IMET (Trainee)
NWS Phoenix Forecast Office Physical Address: 1500 N. Mill Ave, PAB 1TA, Tempe AZ 85281 Mailing Address: 1667 N Priest Dr. Tempe AZ 85288 FAX Number: (602) 267-8051 WEB: https://www.weather.gov/phoenix Backup Offices: WFO Tucson, WFO Las Vegas	Jeral Estupinan Alex Young Tom Frieders	Meteorologist In Charge Fire Weather Program Manger Warning Coordination Meteorologist
NWS Reno Forecast Office 2350 Raggio Parkway, Reno, NV 89512-3900 FAX Number: (775) 673-8110 WEB: https://www.weather.gov/reno Backup Offices: WFO Elko	Chris Smallcomb Tony Fuentes Tony Fuentes Colin McKellar Dawn Johnson	Meteorologist In Charge Fire Weather Program Manager IMET IMET Warning Coordination Meteorologist
NWS Sacramento Forecast Office 3310 El Camino Ave. Room 228 Sacramento, CA 089512-3900 FAX Number: (916) 979-3052 WEB: http://www.weather.gov/sacramento Backup Offices: WFO Monterey, WFO Reno	Michelle Mead Eric Kurth Katrina Hand Courtney Carpenter	Meteorologist In Charge Fire Wx Program Manager / IMET IMET Warning Coordination Meteorologist
NWS San Diego Forecast Office 11440 W. Bernardo Ct. Ste. 230, San Diego, CA 92127 FAX Number: (858) 675-8717 or 8712 WEB: http://www.weather.gov/sandiego Backup Offices: WFO Los Angeles	Jonathan Suk Stefanie Sullivan David Munyan Vacant	Meteorologist In Charge Fire Weather Program Manager IMET (T) Warning Coordination Meteorologist
NWS San Francisco Bay Area Forecast Office 21 Grace Hopper Ave., Stop 5, Monterey, CA 93943 FAX Number: (831) 656-1747 WEB: http://www.weather.gov/sanfrancisco Backup Offices: WFO Los Angeles, WFO Eureka	Cynthia Palmer Ryan Walbrun Matt Mehle Lamont Bain Brian Garcia	Meteorologist In Charge Fire Weather Program Mgr. / IMET IMET IMET/ Science & Operations Officer Warning Coordination Meteorologist
Wildfire Forecast and Threat Intelligence Integration Center (WFTIIC) CalOES HQ - Mather, CA Main line (24 hours): 916-328-7700 NWS liaison: 916-328-7855 WEB: https://hub.wftiic.ca.gov/	Ken Kempter Jeff Fuentes Jessica Chiari	Deputy Chief - Cal OES Deputy Chief - CAL FIRE Liaison / Regional Response Preparedness Specialist - NWS

Appendix A - NWS Fire Weather Zones



Southern California Fire Weather Zones



Appendix B - NWS Red Flag Warning Criteria

Watch/Warning Criteria for Abundant or Dry Lightning

Northern California Zones:

Abundant lightning (scattered [25%] areal thunderstorm coverage or greater) in conjunction with sufficiently dry fuels. Fuels must remain dry or critically dry during and immediately following a lightning event. Warnings may be issued for isolated events (< 25% areal coverage) when little or no precipitation is expected to reach the ground.

Areal Description	NWS Fire Weather Zones
Northern California West of the Cascade / Sierra Crest	006, 201-204, 211-213, 215-221, 263, 264, 266-269 276, 277, 279-283
Eastern Sierra, Northeast CA	214, 270-271, 274, 278, 284-285, NV421
Lake Tahoe Basin	272

Southern California Zones:

A lightning event that is not accompanied by enough precipitation to significantly wet fuels that have been identified as critically dry. Significant precipitation is defined as ranging from 0.05 inches for grass or brush to 0.15 inches for closed-canopy timber and heavy fuels. Fire Weather Watches and Red Flag Warnings will be issued for high impact lightning events in receptive fuels. Isolated events or events of short duration (e.g., events which start dry but become wet within 1-2 hours) do not need warnings but may be headlined in the forecast.

Areal Description	NWS Fire Weather Zones
Southern California desert area excluding the Lower Colorado River Valley	226-228, 230, 232, 260-262, 265
Lower Colorado River Valley	229, 231
Antelope Valley and SE Kern County Deserts and Central CA Interior	298-299, 381-383, 579, 580, 590-597
Southern California Excluding the Antelope Valley	238, 288, 340-353, 354-358, 362, 366-370, 372-380, 548
Extreme Southern California	243, 248, 250, 255-258, 552, 554

Watch/Warning Criteria for Wind and/or Low Relative Humidity

Northern California Zones:

Areal Description	NWS Fire Weather Zones	Criteria
Northern California West of the Cascade / Sierra Crest	006, 201-204, 211-213, 215-221, 263-264, 266-269, 276-277, 279, 283, 505-513, 516-518, 528-530	Refer to Wind/RH RFW Decision Matrix on next page.

Northern California West of the Cascade / Sierra Crest	280, 282 (WFO Medford Zones)	4 or more hours: For dry cold fronts: RH < 15%, sustained wind >= 10mph with gusts >= 20 mph. - East winds: RH < 25%, sustained wind >= 15mph with gusts >= 25 mph

Eastern Sierra, Northeast CA	214, 270-271, 274, 278, 281, 284-285, NV421	RH ≤ 15% with wind gusts ≥ 30 mph for 3 hours or more (except 6 hours or more in 281).
Lake Tahoe Basin	272	Relative Humidity ≤ 20% with wind gusts ≥ 30 mph for 3 hours or more. If fuels are at extreme levels: wind gusts ≥ 30 mph for 3 hours or more, regardless of Humidity.

Southern California Zones:

Area Description	NWS Fire Weather Zones	Criteria
Southern California desert area excluding the Lower Colorado River Valley	226-228, 230, 232, 260-262	Relative Humidity ≤ 15% and wind gusts ≥ 35 mph for 6 hours or more, assuming fuel conditions are critical.
Lower Colorado River Valley	229, 231	Relative Humidity ≤ 15% with sustained winds ≥ 20 mph or wind gusts ≥ 35 mph for 3 hours or more.
Antelope Valley and SE Kern County Deserts	298, 299, 381-383	Relative Humidity ≤ 15% and sustained (20-foot) winds ≥ 25 mph for a duration of 8 hours or more.
Central California Interior except Kern County (WFO Hanford)	579, 580, 590-594	RAWS sustained winds ≥ 25 mph or frequent gusts ≥ 35 mph AND Relative Humidity ≤ 15% for a duration of 6 hours or more. OR Relative Humidity ≤ 10% for a duration of 10 hours or more regardless of wind.
Southern California Excluding the Antelope Valley (WFO Los Angeles)	238, 288, 340-353, 354-358, 362,366-370,372-380,548	RH ≤ 10% with sustained wind ≥ 15 mph or with gusts ≥ 25 mph for 6 hours or more. RH ≤ 15% with sustained wind ≥ 25 mph or with gusts ≥ 35 mph for 6 hours or more.

Kern County Mountains	595-597	RH ≤ 15% with sustained wind ≥ 25 mph or with gusts ≥ 35 mph for 6 hours or more.
Extreme Southern California (WFO San Diego)	243, 248, 250, 255-258, 260-262, 265, 552, 554	RH ≤ 15% with sustained wind ≥ 25 mph or with gusts ≥ 35 mph for 6 hours or more.

PDS Criteria for WFO Los Angeles/Oxnard:

Criteria must coincide for 3 hours or more

- **Sustained winds 35 mph or greater and/or gusts 60 mph or greater**
- **Relative Humidity 10% or less**
- **Live Fuel Moisture levels around critical 60% threshold;dead fuel moisture less than 7%**

PDS Criteria for WFO San Diego:

Criteria must coincide for 3 hours or more

- **Wind gusts 50 mph or greater**
- **Relative Humidity 10% or less**
- **Live Fuel Moisture levels around critical 60% threshold**

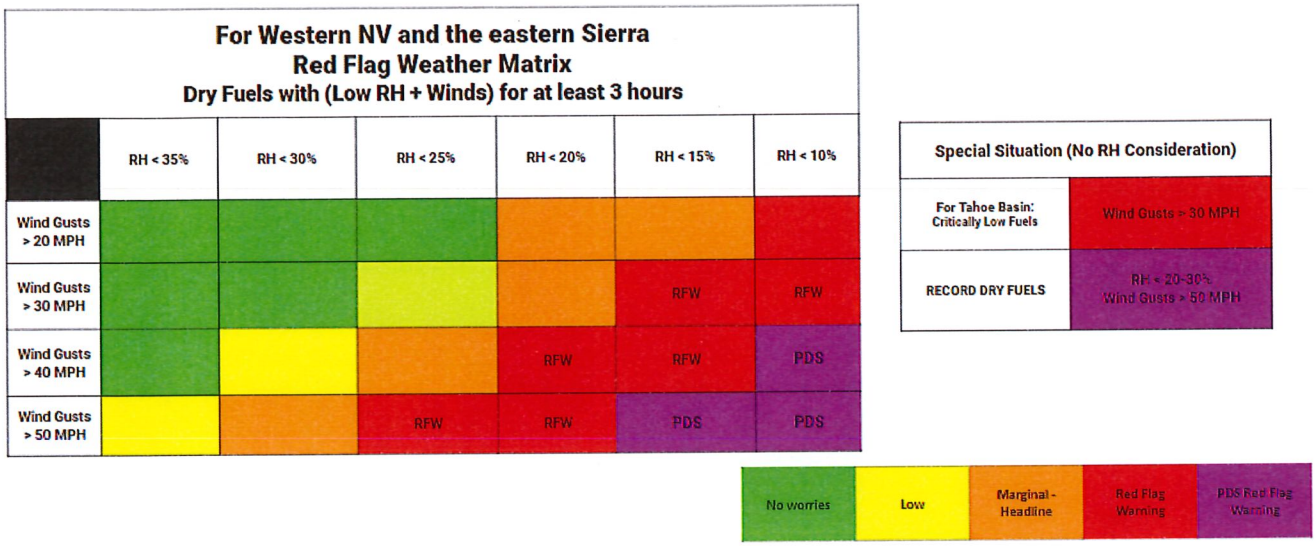
Wind/RH Decision Matrix for Northern California West of the Cascade/Sierra Crest

The matrix assumes daytime 10-hour fuel moisture (NFDRS observation time) is ≤ 6%, annual grasses have cured, and no wetting rain (greater than 0.10 inch) has fallen in the past 24 hours.
The sustained wind refers to the standard 20-foot, 10 minute average fire weather wind speed. The wind event should be expected to last for at least 8 hours to qualify for a Red Flag warning (this guidance was developed for Foehn wind events, which normally exceed 12 hours duration, and may last as long as 3-5 days).

Red Flag Weather Matrix		Sustained Winds				
		<6 mph	6--11 mph	12-20 mph	21-29 mph	30+ mph
Humidity	Daytime Min <29-42% and/or Night Max 60-80%					RFW
	Daytime Min <19-28% and/or Night Max 46-60%				RFW	RFW
	Daytime Min <9-18% and/or Night Max 31-45%			RFW	RFW	RFW
	Daytime Min <9% and/or Night Max <31%		RFW	RFW	RFW	PDS RFW

Low	Medium	High	Very High	Extreme

Wind/RH Decision Matrix for Northern California East of the Sierra Crest



Appendix C - NWS Product Examples

Fire Weather Planning Forecast (FWF)

FNUS5i KNNN DDHHMM
FWFNNN

Fire weather planning forecast for name of area
National Weather Service city state
Time-date (example: 900 AM MDT Fri Jul 9 2017)

...HEADLINE... (REQUIRED for Red Flag Warnings and Fire Weather Watches....significant feature(s) at other times recommended)

.DISCUSSION...(concise, clear, non-technical explanation of the current/forecasted fire weather)

SSZXXX-XXX>XXX-DDHHMM- (UGC/FIPS CODING)
GEOGRAPHICAL DESCRIPTORS
TIME-DATE

...RED FLAG WARNING/FIRE WEATHER WATCH HEADLINE (as needed in each appropriate zone grouping)...

.Today...
Sky/Weather.....
Max Temperature.....
24 Hr Trend..... (Optional)
Min Humidity.....
24 Hr Trend..... (Optional)
20 Ft Wind..... (Optional – Include Sub-Descriptors
Local Optional Elements...(Transport Winds, Mixing Heights, CWR, Etc.)

.Tonight...

Sky/Weather.....
Min Temperature.....
    24 Hr Trend..... (Optional)
Max Humidity.....
    24 Hr Trend..... (Optional)
20 Ft Wind....
Local Optional Elements...

.Tomorrow...
Sky/Weather.....
Max Temperature.....
Min Humidity.....
20 Ft Wind....
Local Optional Elements...

(.FORECAST DAYS 3 THROUGH 7 may optionally be provided for each zone segment)

Red Flag Warning with Particularly Dangerous Situation Wording

WWUS86 KLOX 062324

RFWLOX

URGENT - FIRE WEATHER MESSAGE

National Weather Service Los Angeles/Oxnard CA

324 PM PST Mon Jan 6 2025

...PARTICULARLY DANGEROUS SITUATION (PDS) RED FLAG WARNING IN EFFECT NOON TUESDAY UNTIL 4 PM WEDNESDAY DUE TO DAMAGING NORTH TO NORTHEAST WINDS AND LOW HUMIDITIES FOR THE FOLLOWING AREAS: SAN GABRIEL MOUNTAINS/ SAN GABRIEL AND SAN FERNANDO VALLEYS (ESPECIALLY FOOTHILLS)/ BEVERLY AND HOLLYWOOD HILLS/ COASTAL AREAS ADJACENT TO SEPULVEDA PASS / SANTA MONICA MOUNTAINS / SANTA SUSANA MOUNTAINS / MALIBU / EASTERN VENTURA VALLEY (MAINLY NEAR SIMI

VALLEY/MOORPARK) -- THIS WILL LIKELY BE A LIFE THREATENING, DESTRUCTIVE, AND WIDESPREAD WINDSTORM...

...RED FLAG WARNINGS IN EFFECT FOR LOS ANGELES COUNTY AND MUCH OF VENTURA COUNTY---SEE TIMINGS IN HEADLINES BELOW...

...RED FLAG WARNING IN EFFECT FOR SANTA BARBARA MOUNTAINS INCLUDING EASTERN SANTA YNEZ RANGE TUESDAY INTO WEDNESDAY...

THIS IS A PARTICULARLY DANGEROUS SITUATION (PDS) FOR PORTIONS OF LOS ANGELES AND VENTURA COUNTIES!

.A very strong, widespread, and destructive north to northeast windstorm will bring Extremely Critical fire weather conditions to many areas of Los Angeles and eastern Ventura counties Tuesday afternoon into early Wednesday afternoon. This is a PARTICULARLY DANGEROUS SITUATION (PDS) Red Flag Warning event in many areas, with the combination of very strong upper level wind support, tightening offshore pressure gradients (LAX-Daggett peaking at -7 to -8 mb), and moderate cold air advection. The strongest winds with this event are expected to be Tuesday afternoon into early Wednesday afternoon when widespread damaging wind gusts of 50 to 80 mph are likely. The San Gabriel mountains, Santa Susana mountains, and foothills of the San Gabriel/San Fernando Valleys

will likely see areas of destructive wind gusts between 80 and 100 mph! Due to the very strong upper level wind support and high risk for strong mountain wave activity, typical wind sheltered areas such as portions of the LA basin and San Gabriel Valley. The strong winds will likely result in widespread downed trees/powerlines, as well as widespread power outages. THIS WILL LIKELY BE THE MOST DESTRUCTIVE WINDSTORM SEEN SINCE 2011 WINDSTORM THAT DID EXTENSIVE DAMAGE TO PASADENA AND NEARBY FOOTHILLS OF THE SAN GABRIEL VALLEY. ANY COMMUNITIES ALONG HIGHWAY 118 AND 210 CORRIDORS WILL BE AT HIGHEST RISK FOR COMPARABLE WIND DAMAGE. Humidity levels are also expected to lower to between 10 and 15 percent in many areas by Tuesday afternoon/evening, potentially lowering into single digits in some areas by late Tuesday night into Wednesday.

The offshore winds are now expected to arrive early Tuesday morning, resulting in the Red Flag Warning area being moved up to 4 am Tuesday in many areas. AREAS IN A RED FLAG WARNING (ESPECIALLY DURING THE PDS TIME FRAME) WILL HAVE INCREASED RISK FOR LARGE FIRES WITH VERY RAPID FIRE SPREAD, EXTREME FIRE BEHAVIOR, AND LONG RANGE SPOTTING. While the longer duration of strong winds and Red Flag conditions is expected to be focused across Los Angeles and Ventura counties, there is now expected to be a shorter duration of Red Flag conditions across the mountains

of Santa Barbara county Tuesday into Wednesday. Long duration Red Flag Warnings are in effect for much of Los Angeles and Ventura counties Tuesday through Thursday, with Fire Weather Watches in effect Thursday night into Friday.

CAZ366-368-072000-

/O.EXT.KLOX.FW.W.0001.250107T2000Z-250109T0000Z/

Los Angeles County Beaches-

Los Angeles County Inland Coast including Downtown Los Angeles-

324 PM PST Mon Jan 6 2025

...PARTICULARLY DANGEROUS SITUATION (PDS) RED FLAG WARNING IN EFFECT FROM NOON TUESDAY UNTIL 4 PM WEDNESDAY DUE TO STRONG/DAMAGING NORTH TO NORTHEAST WINDS AND LOW HUMIDITIES FOR THE FOLLOWING AREAS:

SAN GABRIEL AND SAN FERNANDO VALLEYS (ESPECIALLY FOOTHILLS)/ BEVERLY AND HOLLYWOOD HILLS/ COASTAL AREAS ADJACENT TO SEPULVEDA PASS / SANTA MONICA MOUNTAINS / MALIBU / EASTERN VENTURA VALLEY (MAINLY NEAR SIMI VALLEY/MOORPARK)...

* WINDS...Strong/damaging north to northeast winds from late Tuesday afternoon into Wednesday with sustained winds of 25 to 40 mph and damaging wind gusts of 50 to 60 mph likely. Strongest winds likely in the Hollywood Hills, Beverly Hills, and coastal areas adjacent to Sepulveda Pass.

* RELATIVE HUMIDITY...Humidities likely falling to between 10 and 20 percent by late Tuesday. There is also a chance of single digit humidities on Wednesday.

* IMPACTS...If fire ignition occurs, conditions are favorable for very rapid fire spread and extreme fire behavior, including long range spotting, which would threaten life and property. There will be a high risk for downed trees and powerlines, as well as widespread power outages.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Red Flag Warning means that critical fire weather conditions are either occurring now, or will shortly. Use extreme caution with anything that can spark a wildfire. Residents near wildland interfaces should be prepared to evacuate if a wildfire breaks out. See readyforwildfire.org and wildfirerisk.org for information.

&&

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CAZ362-369-370-372>374-548-072000-

/O.CON.KLOX.FW.W.0001.250107T1200Z-250110T0200Z/

/O.CON.KLOX.FW.A.0001.250110T0200Z-250111T0100Z/

Malibu Coast-Western Santa Monica Mountains Recreational Area-

Eastern Santa Monica Mountains Recreational Area-

Western San Fernando Valley-Eastern San Fernando Valley-

Southeastern Ventura County Valleys-

Los Angeles County San Gabriel Valley-

324 PM PST Mon Jan 6 2025

...PARTICULARLY DANGEROUS SITUATION (PDS) RED FLAG WARNING IN EFFECT FROM NOON TUESDAY UNTIL 4 PM WEDNESDAY DUE TO DAMAGING NORTH TO NORTHEAST WINDS AND LOW HUMIDITIES FOR THE FOLLOWING AREAS: SAN GABRIEL AND SAN FERNANDO VALLEYS (ESPECIALLY FOOTHILLS)/ BEVERLY AND HOLLYWOOD HILLS/ COASTAL AREAS ADJACENT TO SEPULVEDA PASS / SANTA MONICA MOUNTAINS / MALIBU / EASTERN VENTURA VALLEY (MAINLY NEAR SIMI VALLEY/MOORPARK)...RED FLAG WARNING IN EFFECT FOR ALL OTHER TIMES FROM 4 AM TUESDAY TO 6 PM THURSDAY IN THESE SAME AREAS...

...FIRE WEATHER WATCH REMAINS IN EFFECT FROM THURSDAY EVENING THROUGH FRIDAY AFTERNOON FOR POTENTIAL WEAK TO MODERATE OFFSHORE WINDS AND LOW RELATIVE HUMIDITY FOR MUCH OF LOS ANGELES AND VENTURA COUNTIES...

* WINDS...Very strong/damaging north to northeast winds Tuesday into Wednesday, likely peaking in many areas between Tuesday afternoon and Wednesday morning when there is a high risk for strong mountain wave wind activity. During this peak, sustained

winds of 35 to 50 mph and widespread damaging gusts of 50 to 80 mph can be expected. Strongest winds likely across the Highways 118 and 210 corridors, including the foothills of the San Gabriel/San Fernando Valleys, and Simi Valley where very powerful and destructive wind gusts of 80 to 100 mph will be likely. Some particular location of greatest concern include Sylmar, Porter Ranch, San Fernando, Burbank, Glendale eastward to foothill communities such as La Crescenta, Altadena, Monrovia, Pasadena, Azusa. and Glendora. Moderate north to northeast winds will likely persist Thursday with gusts of 30 to 50 mph, with some weakening possible by Friday.

* RELATIVE HUMIDITY...Humidities 20 to 30 percent early Tuesday morning, falling to 10 to 20 percent by late Tuesday afternoon/evening. Humidities will potentially fall to single digits in some areas from Wednesday into Friday.

* IMPACTS...If fire ignition occurs, conditions are favorable for very rapid fire spread and extreme fire behavior, including long range spotting, which would threaten life and property. There will be a high risk for widespread downed trees and powerlines, as well as widespread power outages.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Red Flag Warning means that critical fire weather conditions are either occurring now, or will shortly. Use extreme caution with anything that can spark a wildfire. Residents near wildland interfaces should be prepared to evacuate if a wildfire breaks out. See readyforwildfire.org and wildfirerisk.org for information.

A Fire Weather Watch means that critical fire weather conditions are likely to occur in the coming days. Residents near wildland interfaces should prepare now on what to do if a wildfire breaks out. See readyforwildfire.org and wildfirerisk.org for information.

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CAZ375-379-380-072000-

/O.CON.KLOX.FW.W.0001.250107T1200Z-250110T0200Z/

/O.CON.KLOX.FW.A.0001.250110T0200Z-250111T0100Z/

Santa Susana Mountains-

Western San Gabriel Mountains and Highway 14 Corridor-

Eastern San Gabriel Mountains-

324 PM PST Mon Jan 6 2025

...PARTICULARLY DANGEROUS SITUATION (PDS) RED FLAG WARNING IN EFFECT FROM NOON TUESDAY UNTIL 4 PM WEDNESDAY DUE TO DAMAGING NORTH TO

NORTHEAST WINDS AND LOW HUMIDITIES FOR THE FOLLOWING AREAS:

SAN GABRIEL MOUNTAINS AND SANTA SUSANA MOUNTAINS...RED FLAG WARNING IN EFFECT FOR ALL OTHER TIMES FROM 4 AM TUESDAY TO 6 PM THURSDAY IN THESE SAME AREAS...

...FIRE WEATHER WATCH REMAINS IN EFFECT FROM THURSDAY EVENING THROUGH FRIDAY AFTERNOON FOR POTENTIAL WEAK TO MODERATE OFFSHORE WINDS AND LOW RELATIVE HUMIDITY FOR THE SAN GABRIEL MOUNTAINS AND SANTA SUSANA MOUNTAINS...

* WINDS...Very strong/damaging north to northeast winds Tuesday into Wednesday, likely peaking in many areas between Tuesday afternoon and early Wednesday afternoon when there is a high risk for strong mountain wave wind activity. During this peak, sustained winds of 40 to 60 mph and widespread damaging gusts of 70 to 100 mph can be expected. Moderate to locally strong north to northeast winds will likely persist Thursday with gusts of 40 to 60 mph, with some weakening possible by Friday.

* RELATIVE HUMIDITY...Humidities 20 to 30 percent early Tuesday morning, falling to 10 to 20 percent by late Tuesday afternoon/evening. Humidities will potentially fall to single digits in some areas from Wednesday into Friday.

* IMPACTS...If fire ignition occurs, conditions are favorable for very rapid fire spread and extreme fire behavior, including long range spotting, which would threaten life and property. There will be the potential for downed trees and powerlines, as well as power outages.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Red Flag Warning means that critical fire weather conditions are either occurring now, or will shortly. Use extreme caution with anything that can spark a wildfire. Residents near wildland interfaces should be prepared to evacuate if a wildfire breaks out. See readyforwildfire.org and wildfirerisk.org for information.

A Fire Weather Watch means that critical fire weather conditions are likely to occur in the coming days. Residents near wildland interfaces should prepare now on what to do if a wildfire breaks out. See readyforwildfire.org and wildfirerisk.org for information.

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CAZ288-358-371-376-378-072000-

/O.CON.KLOX.FW.W.0001.250107T1200Z-250110T0200Z/

/O.CON.KLOX.FW.A.0001.250110T0200Z-250111T0100Z/

Santa Clarita Valley-Central Ventura County Valleys-

Calabasas and Agoura Hills-Southern Ventura County Mountains-

Interstate 5 Corridor-

324 PM PST Mon Jan 6 2025

...RED FLAG WARNING REMAINS IN EFFECT FROM 4 AM TUESDAY TO 6 PM PST THURSDAY FOR STRONG/DAMAGING NORTH TO NORTHEAST WINDS AND LOW RELATIVE HUMIDITY FOR SANTA CLARITA VALLEY, THE CENTRAL VENTURA COUNTY VALLEYS, CALABASAS, SOUTHERN VENTURA MOUNTAINS, AND INTERSTATE 5 CORRIDOR...

...FIRE WEATHER WATCH REMAINS IN EFFECT FROM THURSDAY EVENING THROUGH FRIDAY AFTERNOON FOR POTENTIAL WEAK TO MODERATE OFFSHORE WINDS AND LOW RELATIVE HUMIDITY FOR MUCH OF LOS ANGELES AND VENTURA COUNTIES...

* WINDS...Strong/damaging north to northeast winds Tuesday into Wednesday, likely peaking in many areas between Tuesday afternoon and Wednesday morning when there is the potential for strong mountain wave wind activity. During this peak, sustained winds of 35 to 50 mph and widespread damaging gusts of 50 to 70 mph can be expected. Moderate north to northeast winds will likely persist Thursday with gusts of 30 to 50 mph, with some

weakening possible by Friday.

* RELATIVE HUMIDITY...Humidities 20 to 30 percent early Tuesday morning, falling to 10 to 20 percent by late Tuesday afternoon/evening. Humidities will potentially fall to single digits in some areas from Wednesday into Friday.

* IMPACTS...If fire ignition occurs, conditions are favorable for very rapid fire spread and extreme fire behavior, including long range spotting, which would threaten life and property. There will be a high risk for widespread downed trees and powerlines, as well as widespread power outages.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Red Flag Warning means that critical fire weather conditions are either occurring now, or will shortly. Use extreme caution with anything that can spark a wildfire. Residents near wildland interfaces should be prepared to evacuate if a wildfire breaks out. See readyforwildfire.org and wildfirerisk.org for information.

A Fire Weather Watch means that critical fire weather conditions are likely to occur in the coming days. Residents near wildland

interfaces should prepare now on what to do if a wildfire breaks out. See readyforwildfire.org and wildfirerisk.org for information.

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CAZ354-355-377-072000-

/O.CON.KLOX.FW.W.0001.250107T1800Z-250110T0200Z/

Ventura County Beaches-Ventura County Inland Coast-

Northern Ventura County Mountains-

324 PM PST Mon Jan 6 2025

...RED FLAG WARNING REMAINS IN EFFECT FROM 10 AM TUESDAY TO 6 PM PST THURSDAY FOR MODERATE TO STRONG/DAMAGING NORTHEAST WINDS AND LOW RELATIVE HUMIDITY FOR THE VENTURA COUNTY COAST AND NORTHERN VENTURA COUNTY MOUNTAINS...

* WINDS...Northeast 20 to 35 mph with gusts of 40 to 60 mph across the coast, and 25 to 45 mph with damaging gusts to 70 mph in the northern Ventura mountains. Strongest winds Tuesday into Wednesday, with moderate offshore winds persisting into Thursday, and possibly Friday. For the coastal plain, strongest winds likely focused from Camarillo to Point Mugu.

* RELATIVE HUMIDITY...Falling to between 15 and 25 percent on Tuesday, then 10 to 20 percent on Wednesday.

* IMPACTS...If fire ignition occurs, conditions are favorable for very rapid fire spread and extreme fire behavior, including long range spotting, which would threaten life and property. There will be the potential for downed trees and powerlines, as well as power outages.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Red Flag Warning means that critical fire weather conditions are either occurring now, or will shortly. Use extreme caution with anything that can spark a wildfire. Residents near wildland interfaces should be prepared to evacuate if a wildfire breaks out. See readyforwildfire.org and wildfirerisk.org for information.

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CAZ352-353-072000-

/O.CON.KLOX.FW.W.0001.250107T1200Z-250109T0200Z/

Santa Ynez Mountains Eastern Range-

Santa Barbara County Interior Mountains-

324 PM PST Mon Jan 6 2025

...RED FLAG WARNING REMAINS IN EFFECT FROM 4 AM TUESDAY TO 6 PM PST WEDNESDAY FOR GUSTY NORTHEAST WINDS AND LOW RELATIVE HUMIDITY FOR THE SANTA BARBARA COUNTY MOUNTAINS AND EASTERN SANTA YNEZ MOUNTAINS...

* WINDS...Northeast sustained winds 20 to 35 mph with gusts of 40 to 50 mph.

* RELATIVE HUMIDITY...Falling to between 10 and 20 percent on Tuesday and Wednesday.

* IMPACTS...If fire ignition occurs, conditions are favorable for very rapid fire spread and extreme fire behavior, including long range spotting, which would threaten life and property. There is also the potential for for downed trees and powerlines, as well as power outages.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Red Flag Warning means that critical fire weather conditions are either occurring now, or will shortly. Use extreme caution with anything that can spark a wildfire. Residents near wildland interfaces should be prepared to evacuate if a wildfire breaks

out. See readyforwildfire.org and wildfirerisk.org for

information.

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CAZ381>383-072000-

/O.CON.KLOX.FW.W.0001.250107T1800Z-250109T0200Z/

Western Antelope Valley Foothills-

Eastern Antelope Valley Foothills-Antelope Valley-

324 PM PST Mon Jan 6 2025

...RED FLAG WARNING REMAINS IN EFFECT FROM 10 AM TUESDAY TO 6 PM

PST WEDNESDAY FOR GUSTY NORTHEAST WINDS AND LOW RELATIVE HUMIDITY

FOR THE ANTELOPE VALLEY AND ADJACENT FOOTHILLS...

* WINDS...Northeast 20 to 30 mph with gusts 45 to 55 mph,

  strongest during daytime hours, especially in the foothills.

* RELATIVE HUMIDITY...Falling to between 15 and 25 percent on

  Tuesday, and 10 to 20 percent on Wednesday.

* IMPACTS...If fire ignition occurs, conditions are favorable

  for very rapid fire spread and extreme fire behavior,

  including long range spotting, which would threaten life and

property.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Red Flag Warning means that critical fire weather conditions are either occurring now, or will shortly. Use extreme caution with anything that can spark a wildfire. Residents near wildland interfaces should be prepared to evacuate if a wildfire breaks out. See readyforwildfire.org and wildfirerisk.org for information.

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CAZ287-367-072000-

/O.CON.KLOX.FW.W.0001.250108T0000Z-250109T0200Z/

Catalina and Santa Barbara Islands-Palos Verdes Hills-

324 PM PST Mon Jan 6 2025

...RED FLAG WARNING REMAINS IN EFFECT FROM 4 PM TUESDAY TO 6 PM PST WEDNESDAY FOR STRONG/DAMAGING WINDS AND LOW RELATIVE HUMIDITY FOR PALOS VERDES AND CATALINA ISLAND...

* WINDS...Strong and locally damaging north to northeast winds from late Tuesday afternoon into Wednesday with sustained winds of 25 to 35 mph and damaging wind gusts of 40 to 60 mph likely.

* RELATIVE HUMIDITY...Humidities likely falling to between 10 and 20 percent by late Tuesday. There is also a chance of single digit humidities on Wednesday.

* IMPACTS...If fire ignition occurs, conditions are favorable for very rapid fire spread and extreme fire behavior, including long range spotting, which would threaten life and property. There will be a high risk for downed trees and powerlines, as well as widespread power outages.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Red Flag Warning means that critical fire weather conditions are either occurring now, or will shortly. Use extreme caution with anything that can spark a wildfire. Residents near wildland interfaces should be prepared to evacuate if a wildfire breaks out. See readyforwildfire.org and wildfirerisk.org for information.

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Gomberg

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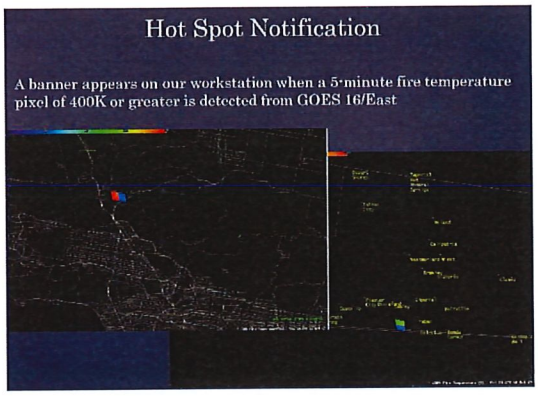
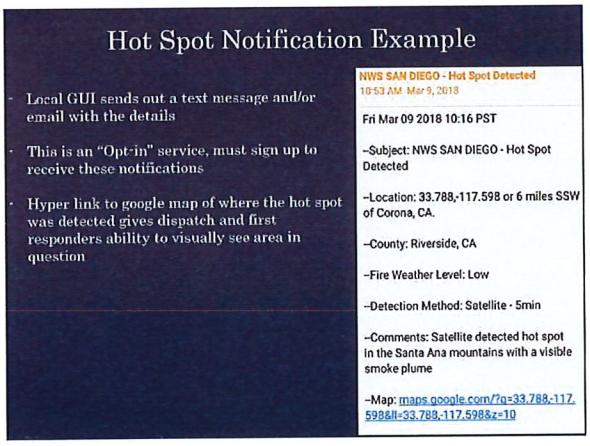
Appendix D - GOES Hotspot Notifications

The GOES East and West satellites allow forecasters to quickly discover new wildfire starts. NWS San Diego utilizes this satellite information and distributes the information via text, phone, and/or email notification to fire partners. These notices are intended to alert them to new potential fire starts and can be provided upon request.





Appendix E - NFDRS/WIMS RAWS information

This list contains all fire weather stations that are NFDRS compliant and cataloged by the Weather Information Management System (WIMS)

NWS Eureka								
STATION NAME WIMS	**WIMS ID**	**AGENCY**	**UNIT**	**FCST ZONE**	**LAT**	**LON**	**ELEV (ft)**	**Remarks**
ALDER POINT	40423	State	HUU	556	40.186017	-123.591061	1059	
BACKBONE	40518	FS	SHF	591	40.889261	-123.142514	4609	
BIG HILL	40402	BLM/BIA	PR	555	40.097472	-123.635889	3570	
BIG BAR	40501	FS	SHF	591	40.742150	-123.249108	1722	
BOONVILLE	41001	State	MEU	557	38.987639	-123.348528	644	
BRUSH MTN L.O.	40404	FS	SRF	555	40.913933	123.668819	3941	

CAMP SIX LOOKOUT	40101	FS	SRF	556	41.830489	-123.876806	3698	
EEL RIVER (MNF)	41005	FS	MNF	557	39.825000	-123.083333	1500	
EEL RIVER CAMP	40421	State	HUU	556	40.138375	-123.823758	476	
FIVE CENT	40520	FS	SHF	591	40.753647	-122.932136	2602	
FRIEND MTN	40512	FS	SHF	591	40.505551	-123.343196	4418	
GASQUET 2	40102	FS	KNF	556	41.837833	-123.945201	452	
HAYFORK	40503	FS	SHF	591	40.548513	-123.165132	2325	
HIGH GLADE LOOKOUT	41402	FS	MNF	595	39.2083887	-122.809982	4819	
HOOPA	40408	BIA	HIA	555	41.048223	-123.670961	375	
KNEELAND	40429	State	HUU	560	40.7199444	-123.928294	2737	
KONOCTI	41411	State	LNU	558	38.911962	-122.706443	2169	
LAYTONVILLE	41019	State	MEU	557	39.702328	-123.484906	1820	
MAD RIVER	40507	FS	SRF	555	40.462994	-123.523775	2873	
MCGUIRES	41017	State	MEU	557	39.365833	-123.653869	627	
MENDOCINO PASS	41018	FS	MNF	557	39.807473	-122.945095	5382	
PATTYMOCUS	40812	FS	SHF	594	40.286082	-122.874688	3772	
RODEO VALLEY	41015	State	MEU	557	39.668028	-123.321194	2428	
RUTH STATION	40508	FS	SRF	555	40.25727	-123.31866	2732	
SCHOOLHOUSE	40425	NPS	RNP	560	41.138333	-123.955556	2653	
SCORPION	40517	FS	SHF	591	41.109483	-122.697476	3365	
SHIP MTN L.O.	40105	FS	SRF	556	41.729043	-123.793452	5151	
SLATE CREEK	40430	FS	SRF	555	41.341761	-123.659964	4178	
SODA CREEK	41406	FS	MNF	557	39.425078	-122.978547	1773	
TRINITY CAMP	40516	State	SHU	591	40.786419	-122.804486	3308	
UNDERWOOD	40519	FS	SRF	555	40.721489	-123.496292	2625	
WESTSIDE	40428	NPS	RNP	560	41.223282	-124.053956	1287	
YOLLA BOLLA	40511	FS	SHF	594	40.337447	-123.065622	4481	

NWS Las Vegas

STATION NAME WIMS	WIMS ID	AGENCY	UNIT	FCST ZONE	LAT	LON	ELEV (ft)	Remarks
HORSE THIEF SPRING	45129	BLM	CDD	543	35.770686	-115.909422	5046	
HUNTER MOUNTAIN	44809	NPS	DVL	543	36.565528	-117.473587	6897	
MID HILLS	45128	BLM	CDD	543	35.166111	-115.415277	5534	
OAK CREEK	44804	FS	INF	517	36.843633	-118.265428	4900	
OPAL MOUNTAIN	45127	BLM	CDD	543	35.154314	-117.175679	3240	
OWENS VALLEY	44803	State	BDU	517	37.391006	-118.552572	4650	
YUCCA VALLEY	45112	State	BDU	516	34.124081	-118.408831	3246	

NWS Los Angeles/Oxnard

STATION NAME WIMS	WIMS ID	AGENCY	UNIT	FCST ZONE	LAT	LON	ELEV (ft)	Remarks
ACTON	45438	L Gov	LAC	506	34.446389	-118.196800	2600	
BEVERLY HILLS	45442	L Gov	LAC	501	34.124720	-118.412507	1260	
BIG PINES	45401	FS	ANF	507	34.379150	-117.687714	6964	
BRANCH MOUNTAIN	44901	FS	LPF	525	35.185233	-120.084989	3770	
CAMP 9	45441	L Gov	LAC	506	34.353294	-118.418579	4000	
CARPINTERIA	45228	LGov	SBC	520	34.444531	-119.513106	1770	
CARRIZO	44916	BLM	BBD	525	35.096562	-119.773274	2490	

CASITAS	45308	FS	LPF	504	34.408175	-119.371244	639	
CATALINA ISLAND	45457	L Goc	LAC	501	33.350777	-118.35225	1570	
CHEESEBORO	45313	NPS	SAMO	505	34.186575	-118.719561	1707	
CHILAO	45436	FS	ANF	507	34.331603	-118.031123	5450	
CHUCHUPATE	45302	FS	LPF	503	34.806397	-119.013625	5283	
CLAREMONT	45443	L Gov	LAC	501	34.136800	-117.707569	1645	
CLEAR CREEK	45405	FS	ANF	506	34.271029	-118.152702	3745	
CUYAMA VALLEY	045230	LGov	SBC	525	34.965387	-119.880150	2535	
DEL VALLE	45445	L Gov	LAC	505	34.429719	-118.667119	1278	
FIGUEROA	45201	FS	LPF	500	34.734540	-120.006589	3176	
GAVIOTA	045227	LGov	SBC	501	34.488403	-120.235739	878	
GRASS MOUNTAIN	45449	FS	ANF	506	34.640893	-118.414506	4599	
HARMON	45337	L Gov	VNC	504	34.318306	-119.193734	1037	
HENNINGER FLATS	45439	L Gov	LAC	509	34.195119	-118.093619	2800	
LA PANZA	44914	State	SLU	525	35.380725	-120.188094	1633	
LAKE PALMDALE	45450	L Gov	LAC	519	34.536950	-118.102331	2980	
LAS TABLAS	44904	State	SLU	520	35.656447	-120.924100	967	
LEO CARRILLO	45447	L Gov	LAC	501	34.045676	-118.936021	68	
LOS PRIETOS	45203	FS	LPF	500	34.544430	-119.791149	1005	
MALIBU	45433	L Gov	LAC	505	34.061561	-118.645219	1575	
MALIBU CANYON	45452	L Gov	LAC	505	34.083959	-118.703541	650	
MILL CREEK	45435	FS	ANF	507	34.390338	-118.082443	49	
MILLER RANCH	045338	LGov	VNC	504	34.148375	-119.011061	837	
MONTECITO	45218	FS	LPF	501	34.461397	-119.649014	1619	
MONTECITO #2	45221	LGov	MTC	501	34.44506	-119.62617	285	
NEWHALL PASS	45454	L Gov	LAC	505	34.336969	-118.520500	2135	
OZENA	45303	FS	LPF	503	34.681781	-119.353733	3690	
POPPY PARK	45440	L Gov	LAC	519	34.728319	-118.394058	2760	
PURISIMA HILLS	045229	LGov	SBC	500	34.71226	-120.391400	1170	
REFUGIO	45223	LGov	SBC	501	34.516658	-120.075331	1465	
ROSE VALLEY II	45314	FS	LPF	503	34.543402	-119.184979	3336	
SADDLEBACK BUTTE	45444	L Gov	LAC	519	34.668569	-117.821839	2590	
SAN LUIS OBISPO	044915	State	SLU	500	35.302983	-120.678739	310	
SAN MARCOS PASS	45224	LGov	SBC	501	34.493801	-119.796375	1796	
SAN RAFAEL HILLS	45451	L Gov	LAC	505	34.194219	-118.213400	1770	
SANTA CRUZ ISLAND	45216	NPS	CNP	501	33.992969	-119.716238	292	
SANTA FE	45437	L Gov	LAC	501	34.126139	-117.947169	500	
SANTA ROSA ISLAND	45217	NPS	CNP	501	33.978023	-120.078486	1297	
SAUGUS	45412	L Gov	LAC	505	34.435011	-118.513181	1450	
SB BOTANICAL GARDEN	45222	State	SBC	501	34.455886	-119.705627	753	
SEDGEWICK	045226	LGov	SBC	500	34.680633	-120.047442	1402	
SLO COASTAL	44917	State	CDF	520	35.600000	-121.114166	228	
TANBARK	45421	FS	ANF	509	34.206964	-117.761570	2814	
TEMESCAL	45307	FS	LPF	505	34.473942	-118.761561	1124	
TEPUSQUET	45225	L Gov	SBC	500	34.919800	-120.181228	3212	
TONNER CANYON	45453	L Gov	LAC	501	33.947531	-117.822189	1340	
TOPANGA	45456	L Gov	LAC	505	34.136247	-118.606096	1631	

VANDENBERG	45220	FS	LPF	500	34.758605	-120.485970	1020	
WARM SPRINGS L.O.	45426	FS	ANF	506	34.595804	-118.579784	4019	
WHITAKER	45448	L Gov	LAC	506	34.569381	-118.740189	4120	
WHITTIER HILLS PARK	45446	L Gov	WIT	501	33.98400	-118.009431	950	
WILEY RIDGE	45335	L Gov	VNC	504	34.371745	-118.840482	645	

NWS Medford

STATION NAME WIMS	WIMS ID	AGENCY	UNIT	FCST ZONE	LAT	LON	ELEV (ft)	Remarks
ASH CREEK	40244	FS	SHF	584	41.276808	-121.980569	3677	
BLUE MOUNTAIN	40302	FS	MDF	590	41.829908	-120.863381	5746	
BLUE RIDGE (KNF)	40203	FS	KNF	586	41.269094	-123.18969	5859	
BOLAM	40247	FS	SHF	584	41.534125	-122.209715	4489	
BRAZZI RANCH	40242	State	SKU	588	41.675720	-122.599922	3079	
CALLAHAN #2	40245	FS	KNF	587	41.299739	-122.825525	3910	
COLD SPRINGS	40314	FS	MDF	590	41.7816422	-120.319389	6379	
COLLINS BALDY LO	40237	FS	KNF	587	41.774964	-122.951819	5476	
CRAZY PEAK	40106	FS	SRF	621	41.976389	-123.612222	3970	
DEVIL'S GARDEN	40309	State	LMU	590	41.528394	-120.671544	5049	
DUTCH-INDY	40246	FS	KNF	587	41.643533	-123.444069	2296	
INDIAN WELL	40233	NPS	BNP	590	41.711689	-121.506604	4779	
JUANITA	40240	FS	KNF	589	41.801986	-122.109853	5176	
LOWER KLAMATH	40310	FWS	KBR	589	41.999167	-121.700278	4091	
MT SHASTA	40217	FS	SHF	584	41.315336	-122.316561	3573	
OAK KNOLL	40218	FS	KNF	587	41.838358	-122.850153	1953	
QUARTZ HILL	40239	State	SKU	587	41.599111	-122.933595	4243	
ROUND MOUNTAIN	40221	FS	MDF	590	41.427110	-121.462510	5256	
RUSH CREEK	40312	FS	MDF	590	41.288072	-120.869648	5544	
SAWYERS BAR	40222	FS	KNF	586	41.301006	-123.129711	2513	
SLATER BUTTE	40225	FS	KNF	585	41.858357	-123.353769	4676	
SOMES BAR	40231	FS	SRF	586	41.390367	-123.492672	915	
SURPRISE VALLEY	40315	BLM	MDF	271	41.622278	-120.161444	4591	
TIMBER MOUNTAIN	40306	FS	MDF	590	41.627856	-121.298381	5053	
VAN BREMMER	40243	FS	KNF	589	41.642977	-121.794769	5316	
WEED	40228	State	SKU	588	41.478921	-122.454542	2938	

NWS Phoenix

STATION NAME WIMS	WIMS ID	AGENCY	UNIT	FCST ZONE	LAT	LON	ELEV (ft)	Remarks
FISH CREEK MTN.	45802	BLM	CDD	310	32.990310	-116.066970	767	
RICE VALLEY	45620	BLM	CDD	232	34.060763	-114.732312	820	
SQUAW LAKE	45801	BLM	CCD	310	32.908338	-114.474090	285	

NWS Reno

STATION NAME WIMS	WIMS ID	AGENCY	UNIT	FCST ZONE	LAT	LON	ELEV (ft)	Remarks
BARREL SPRINGS	260111	BLM	NOD	458	41.911111	-119.939888	5731	
BARON	42616	FS	TMU	542	38.854453	-120.024283	6247	
BEAR FLAT	40313	FS	MDF	590	41.295317	-120.314022	6828	
BENTON	43708	FS	INF	518	37.843327	-118.478551	5377	
BLACKS MOUNTAIN	40731	FS	LNF	598	40.72456	-121.178953	5725	
BLUE DOOR	40725	BLM	NOD	572	41.054072	-120.337490	5930	

BOGARD	40703	FS	LNF	598	40.592072	-121.077947	5673	
BRIDGEPORT	43702	FS	HTF	576	38.271736	-119.289387	6562	
BUFFALO CREEK	260113	BLM	NOD	458	40.581944	-119.789999	3940	
BULL FLAT	40728	BLM	NOD	572	40.481495	-120.115094	4706	
COYOTE	49902	FS	PNF	598	39.9878066	-120.477611	5573	
CRESTVIEW	43709	FS	INF	518	37.737447	-118.996581	7570	
DENTEN CREEK	40921	FS	PNF	598	39.779479	-120.594533	5150	
DEXTER	43711	FS	INF	518	37.838878	-118.771892	7976	
DOG VALLEY	41302	FS	TYF	450	39.561839	-120.048826	5937	
DOYLE	40724	BLM	NOD	450	40.058885	-120.097361	4338	
GORDON	40730	FS	LNF	598	40.758153	-120.892125	6215	
GRASSHOPPER	40721	State	LMU	598	40.781658	-120.784397	6154	
HIDDEN VALLEY	40732	BLM	NOD	598	40.441895	-120.626951	4440	
HOMEWOOD	41909	County	TMU	542	39.083506	-120.171312	7182	
HORSE LAKE	40727	BLM	NOD	572	40.632244	-120.477780	5153	
JUNIPER CREEK	40308	BLM	NOD	572	41.332655	-120.472818	4632	
JUNIPER SPRINGS	260112	BLM	NOD	458	41.080833	-119.776388	5348	
KNOX 2	260117	State	TMU	542	39.272830	-119.963000	7568	
LADDER BUTTE	40723	FS	LNF	598	40.807106	-121.296506	5672	
LAUFMAN	40709	FS	PNF	599	40.141756	-120.353390	4863	
MARKLEEVILLE	42802	FS	TOF	576	38.690477	-119.774985	5501	
LUNDY	43712	FS	LNF	518	38.038390	-119.169360	7032	
PIERCE	40915	FS	PNF	598	40.246217	-120.643303	5829	
RAVENDALE	40714	BLM	NOD	572	40.731236	-120.316604	5445	
RICE CANYON	41311	FS	TNF	542	39.525013	-120.328839	6943	
ROCK CREEK	43710	FS	INF	518	37.559828	-118.678421	7092	
SKYLAND	261205	FS	TMU	542	39.023000	-119.940860	6599	
STAMPEDE	41310	FS	TNF	541	39.471094	-120.086975	6207	
TAHOE DONNER	41810	State	CDF	541	39.338190	-120.273390	7399	
WALKER	43707	FS	TYF	576	38.565572	-119.459283	5425	
WESTWOOD	40719	State	LMU	598	40.305867	-120.903322	6155	

NWS Sacramento

STATION NAME WIMS	WIMS ID	AGENCY	UNIT	FCST ZONE	LAT	LON	ELEV (ft)	Remarks
ALDER SPRINGS	41101	FS	MNF	595	39.651741	-122.724556	4528	
ARBUCKLE BASIN	40632	State	SHU	595	40.437799	-122.830914	2450	
BALD MOUNTAIN	42603	FS	ENF	538	38.904167	-120.705222	4613	
BANGOR	41201	State	BTU	596	39.380747	-121.386228	803	
BANNER ROAD	43211	State	TCU	539	38.284425	-120.489747	2803	
BEAVER	42601	FS	ENF	538	38.481903	-120.325817	4651	
BEN BOLT	42612	State	AEU	552	38.590827	-120.933657	905	
BROOKS	42202	State	LNU	558	38.738365	-122.14369	369	
CARPENTER RIDGE	41213	State	BTU	597	40.068732	-121.563773	4819	
CASHMAN	40916	FS	PNF	599	40.001958	-120.916217	4459	
CHESTER	40904	FS	LNF	597	40.292608	-121.243939	4547	
COHASSET	41211	State	BTU	596	39.871834	-121.768948	1713	
COLBY MOUNTAIN	40801	FS	LNF	597	40.145644	-121.522496	6004	

CORNING	40814	State	TGU	595	39.938944	-122.169733	289	
COTTAGE	43210	FS	STF	539	38.345872	-120.229519	6064	
COUNTY LINE	41410	BLM	NOD	557	39.0188143	-122.411691	2084	
DUNCAN	41901	FS	TNF	536	39.1438912	-120.508903	7100	
EAGLE PEAK	40802	FS	MNF	595	39.927422	-122.641981	3713	
GREEN SPRING	43613	State	TCU	539	37.834233	-120.503037	1124	
HELL HOLE	42608	FS	ENF	538	39.069711	-120.419886	5240	
HUMBUG SUMMIT	40918	FS	LNF	596	40.109516	-121.382700	6725	
JARBO GAP	41214	State	BTU	599	39.735928	-121.488963	2510	
LADDER BUTTE	40723	FS	LNF	597	40.807106	-121.296506	5672	
LASSEN LODGE	40815	State	TGU	597	40.344144	-121.713733	4159	
LINCOLN	41907	State	NEU	554	38.881031	-121.266689	210	
MANZANITA LAKE	40609	FS	LNF	597	40.540114	-121.580164	5725	
MOUNT ZION	42701	State	AEU	552	38.390064	-120.652403	2967	
MT ELIZABETH	43605	FS	STF	539	38.062925	-120.247253	4942	
MULE MOUNTAIN	43637	NPS	WNP	595	40.569239	-122.503017	2099	
OAK MTN	40635	FS	SHF	593	41.006331	-121.984431	2646	
OPENSHAW	41215	State	BTU	596	39.589833	-121.635160	265	
OWENS CAMP	42611	FS	ENF	538	38.735852	-120.241615	5222	
PANTHER SPRINGS	40805	FS	LNF	596	40.242119	-121.775733	3338	
PIKE CNTY LOOKOUT	41701	FS	PNF	599	39.474684	-121.202419	3699	
PILOT HILL	42609	State	AEU	552	38.831681	-121.009200	1249	
PINECREST #2	43615	FS	STF	540	38.186152	-120.010651	5707	
QUINCY	40910	FS	PNF	599	39.973311	-120.941899	3595	
READER RANCH	41809	State	NEU	535	39.303555	-121.117249	1968	
REDDING	40611	FS/State	SHU	595	40.515792	-122.292175	499	
ROBBS	42604	FS	ENF	538	38.923670	-120.40412065	6585	
SACRAMENTO NWR	41102	FWS	MNF	595	39.417456	-122.182396	90	
SADDLEBACK	41304	FS	TNF	536	39.636073	-120.84200	6642	
SECRET TOWN	41808	State	NEU	535	39.183838	-120.884477	2740	
SEED ORCHARD	41908	FS	TNF	536	39.091572	-120.731984	4259	
SIMS	40618	FS	SHF	593	41.071309	-122.369977	2461	
SMITH PEAK LOOKOUT	44115	FS	STF	539	37.800522	-120.100811	3871	
SOLDIER MTN	40630	State	SHU	593	40.926492	-121.584599	3707	
STEELY FORK	42615	FS	ENF	538	38.626097	-120.527907	4046	
STONYFORD	41503	FS	MNF	595	39.355230	-122.658310	1540	
SUGARLOAF (SHF)	40614	FS	SHF	592	40.915961	-122.434833	3259	
SWAIN	40920	FS	LNF	597	40.445367	-121.104118	6183	
THOMES CREEK	40816	State	TGU	595	39.854214	-122.609903	1029	
WESTWOOD	40719	State	LMU	597	40.305867	-120.903322	6155	
WHISKEYTOWN HQ2	40629	NPS	WNP	595	40.610514	-122.527314	1360	
WHITE CLOUD	41806	FS	TNF	536	39.317805	-120.845141	4388	
WHITMORE	40615	State	SHU	596	40.6195068	-121.899568	2499	

NWS San Diego

STATION NAME WIMS	WIMS ID	AGENCY	UNIT	FCST ZONE	LAT	LON	ELEV (ft)	Remarks
ALISO LAGUNA	45509	L. Gov	CDF	513	33.535969	-117.753361	820	
ANZA	45616	State	RRU	513	33.555864	-116.674542	3939	

APPLE VALLEY #2	45134	BLM	CDD	514	34.592586	-117.168303	3159	
BANNING	45601	FS	BDF	511	33.973420	-116.912513	3607	
BEAUMONT	45617	State	RRU	510	33.930489	-116.949906	2604	
BELL CANYON	45735	L Gov	ORC	509	33.551823	-117.572991	799	
BIG PINE FLAT	45102	FS	BDF	511	34.318753	-117.013892	6851	
BURNS CANYON	45125	BLM	CDD	516	34.208446	-116.6201633	6305	
CAMERON FIRE STA	45704	FS	CNF	513	32.721178	-116.464644	3263	
CAMP ELLIOTT	45741	DOD	MFD	508	32.859303	-117.105734	500	
CHINO HILLS	45510	L Gov	ORC	254	33.913819	-117.738242	1776	
CLARK	45624	State	RRU	509	33.877147	-117.304072	1722	
CONVERSE	45105	FS	BDF	511	34.194026	-116.913169	5669	
CORONA 2	45636	FS	CNF	512	33.818981	-117.573553	1951	
CRANSTON	45603	FS	BDF	512	33.737458	-116.838158	1930	
DESCANSO FIRE STA	45707	FS	CNF	513	32.857394	-116.622392	3567	
DEVORE	45113	State	BDU	510	34.182140	-117.385110	1695	
EL CARISO FIRE STA	45619	FS	CNF	509	33.647115	-117.412031	2751	
FAWNSKIN	45101	FS	BDF	511	34.266698	-116.899049	6936	
FREMONT CANYON	45736	L Gov	ORC	509	33.811164	-117.708384	1781	
BUD HILL	45724	FS	CNF	509	33.084319	-116.876903	1835	
HEAPS PEAK	45133	FS	BDF	511	34.234825	-117.138875	6455	
JULIAN	45708	State	MVU	513	33.075686	-116.592575	4238	
KEENWILD	45604	FS	BDF	513	33.708325	-116.716939	4752	
KENWORTHY	45605	FS	BDF	513	33.616676	-116.622484	4592	
LAKE SKINNER	45637	RRU	RRU	248	33.578161	-117.064408	1654	
LITTLE TUJUNGA	45411	FS	ANF	509	34.294132	-118.360840	1375	
LYTLE CREEK	45108	FS	BDF	510	34.234139	-117.480156	2727	
MILL CREEK	45109	FS	BDF	510	34.079843	-117.046761	2950	
MORMON ROCKS	45114	FS	BDF	511	34.315989	-117.503700	3514	
MT LAGUNA	45709	FS	CNF	513	32.881215	-116.428771	5735	
OAK GROVE FIRE STA	45710	FS	CNF	513	33.385943	-116.796802	2786	
PALOMAR	45740	FS	CNF	513	33.352067	-116.862749	5490	
PINE HILLS FIRE STA	45711	FS	CNF	513	33.016659	-116.635459	3653	
POTRERO	45730	State	MVU	513	32.605861	-116.608822	2345	
RANCHITA	45729	State	MVU	513	33.222259	-116.497467	4418	
ROCK CAMP	45111	FS	BDF	511	34.290825	-117.213472	4928	
SAN MIGUEL	45737	FWS	TSR	509	32.686150	-116.978447	527	
SANTA ROSA PLATEAU	45623	State	RRU	513	33.518138	-117.229111	1999	
SWEETWATER	45744	FS	CNF	509	32.836425	-116.671546	2810	
TEMESCAL 2	45	FS	CNF	509	33.754743	-117.500133	1811	
VALLEY CENTER	45734	State	MVU	509	33.237036	-117.008607	1478	
YERMO	45423	FS	ANF	514	34.445605	-117.851129	3724	
VISTA GRANDE	45612	FS	BDF	513	33.836057	-116.811241	4902	
YUCCA VALLEY	45112	State	BDU	516	34.124066	-116.408859	3253	

NWS Monterey

STATION NAME WIMS	WIMS ID	AGENCY	UNIT	FCST ZONE	LAT	LON	ELEV (ft)	Remarks
ALTAMONT	43407	State	SCU	511	37.693028	-121.609333	1436	
ARROYO SECO	44301	FS	LPF	522	36.235481	-121.479881	879	

ATLAS PEAK	42108	State	LNU	507	38.474915	-122.264821	2025	
BARNABY	42308	L Gov	MRN	559	38.028131	-122.702325	822	
BEN LOMOND	43809	State	CZU	549	37.130952	-122.172656	2647	
BIG ROCK	42310	L Gov	MRN	559	38.039487	-122.570047	1082	
BIG SUR	44302	FS	LPF	521	36.245372	-121.780162	335	
BLACK DIAMOND	43008	L Gov	EBY	547	37.947271	-121.887953	1657	
BRADLEY	44303	State	BEU	523	35.864400	-120.802981	537	
BRIONES	43010	L Gov	EBY	547	37.934611	-122.124453	1450	
CALAVERAS RD	43405	L Gov	SCU	547	37.553136	-121.844207	1236	
CORDOZA RIDGE	43916	State	SCU	547	37.168231	-121.528535	2356	
CORRALITOS	43802	State	CZU	550	36.990883	-121.804891	329	
DIABLO GRANDE	43502	State	SCU	546	37.329287	-121.295415	1875	
FORT HUNTER LIGGET	44317	FS	LPF	522	36.011803	-121.241742	1115	
HASTINGS	44319	State	BEU	522	36.388514	-121.551640	1885	
HAWKEYE	42010	State	LNU	559	38.735086	-122.837058	2024	
HERNANDEZ	44409	State	BEU	524	36.382571	-120.855833	3746	
HOLLISTER	44406	State	BEU	523	36.842179	-121.362766	410	
LA HONDA	43304	State	CZU	549	37.305253	-122.255285	903	
LAS TRAMPAS	43009	L Gov	EBY	547	37.834330	-122.066547	1811	
LOS ALTOS	43912	L Gov	SCU	549	37.354789	-122.141904	542	
LOS GATOS	43913	L Gov	SCU	549	37.203863	-121.950838	1858	
LOS VAQUEROS	43013	L Gov	SCU	547	37.788575	-121.734962	1112	
MALLORY RIDGE	43011	L Gov	SCU	547	37.817304	-121.778954	2067	
MIDDLE PEAK	42312	LGov	MRN	507	37.927934	-122.588205	2507	
OAK RIDGE	42012	State	LNU	599	38.738068	-123.308405	1911	
OAKLAND NORTH	43402	L Gov	EBY	550	37.865198	-122.220911	1498	
OAKLAND SOUTH	43403	L Gov	EBY	550	37.786250	-122.144778	1200	
PANOCHE	44514	State	FKU	524	36.727124	-120.765931	2051	
PARKFIELD	44310	State	BEU	524	35.898372	-120.433322	1531	
PINNACLES	44410	NPS	PIP	524	36.470749	-121.147306	1382	
POVERTY	43914	L Gov	SCU	550	37.443270	-121.770476	2072	
PULGAS	43309	L Gov	CZU	549	37.473121	-122.297988	638	
ROBINHOOD	42313	L Gov	NOV	559	38.112504	-122.549841	482	
ROSE PEAK	43404	L Gov	EBY	547	37.511310	-121.741597	3344	
SAN JOSE	43915	L Gov	SCU	511	37.398545	-121.807015	731	
SANTA RITA	44408	BLM	BBD	524	36.348174	-120.600141	5018	
SANTA ROSA	42009	State	LNU	559	38.478483	-122.711797	599	
SPRING VALLEY	43308	L Gov	CZU	549	37.562616	-122.436633	1082	
WOODACRE	42309	L Gov	MRN	559	37.990637	-122.646546	1494	

NWS Hanford (San Joaquin Valley)

STATION NAME WIMS	WIMS ID	AGENCY	UNIT	FCST ZONE	LAT	LON	ELEV (ft)	Remarks
ASH MOUNTAIN	44701	NPS	KNP	529	36.491466	-118.825314	1723	
BATTERSON	44207	FS	SNF	528	37.378422	-119.629531	3176	
BEAR PEAK	44730	BLM	BBD	530	35.881949	-118.075467	8238	
BLACKROCK	44722	FS	SQF	534	36.092998	-118.261203	8094	
BRECKENRIDGE	45009	FS	SQF	534	35.450602	-118.584040	7518	
CAMPO SECO	43209	State	TCU	539	38.223688	-120.866470	402	

CASE MOUNTAIN	44733	BLM	BBD	529	36.410628	-118.809147	6436	
CATHEYS VALLEY	44114	State	MMU	528	37.380242	-120.076967	1234	
CEDAR GROVE	44719	NPS	KNP	594	36.787778	-118.656111	4720	
CRANE	44102	NPS	YNP	531	37.759473	-119.820582	6642	
DEMOCRAT	45002	FS	SQF	530	35.531892	-118.630581	2364	
DINKEY	44521	FS	SNF	533	37.066509	-119.157287	5749	
FANCHER CREEK	44516	State	FKU	528	36.883712	-119.475746	924	
FENCE MDW	44503	FS	SNF	532	36.962128	-119.175558	5240	
FOUNTAIN SPRINGS	44731	State	TUU	529	35.892072	-118.916065	802	
HIGH SIERRA	44520	FS	SNF	533	37.314643	-119.039342	7429	
HURLEY	44517	State	FKU	529	37.015144	-119.567800	1228	
INDIAN WELLS CANYON	45015	FS/BLM	CDD	530	35.684900	-117.889125	3883	
JAWBONE	45013	FS/BLM	CDD	530	35.294887	-118.226772	4550	
JERSEYDALE	44105	FS	SNF	528	37.543726	-119.839724	3766	
JOHNSONDALE	44707	FS	SQF	534	35.969715	-118.541075	4684	
KETTLEMAN HILLS	44602	BLM	BBD	526	36.031121	-120.054872	834	
LOS BANOS	44003	State	MMU	526	37.054812	-121.053136	324	
MARIPOSA	44106	State	MMU	528	37.504029	-119.986888	2241	
METCALF GAP	44209	State	MMU	528	37.409400	-119.767894	3118	
MIAMI	44110	FS	SNF	532	37.419253	-119.745442	4267	
MILO	44708	State	TUU	529	36.231479	-118.869198	1940	
MINARETS	44203	FS	SNF	532	37.407241	-119.345749	5339	
MT TOM	44511	FS	SNF	533	37.376419	-119.179267	8982	
MT REST	44505	FS	SNF	529	37.041141	-119.372089	4100	
NORTH FORK	44204	FS	SNF	528	37.233048	-119.505884	2755	
OAK OPENING	44717	FS	SQF	529	36.175294	-118.701717	3091	
PARK RIDGE	44713	NPS	KNP	532	36.723689	-118.943920	7503	
PEPPERMINT	44726	FS	SQF	534	36.073474	-118.542115	7384	
PINEHURST	44508	FS	SQF	529	36.697334	-119.018704	4066	
PIUTES	45017	FS	SQF	534	35.444813	-118.280573	6456	
RATTLESNAKE	44728	NPS	KNP	534	36.406886	-118.421762	8352	
RIVER KERN	45016	FS	SQF	530	35.777197	-118.433756	3033	
SHADE QUARTER	44724	State	TUU	534	36.567003	-118.957871	4359	
SHAVER	44522	State	FKU	528	37.136851	-119.261745	5639	
SUGARLOAF	44729	NPS	KNP	534	36.726667	-118.675000	8127	
TRIMMER	44510	FS	SNF	529	36.911051	-119.306592	1487	
UHL/HOT SPRINGS	44712	FS	SQF	529	35.886667	-118.648405	3782	
WALKER PASS	45014	BLM	BBD	530	35.665773	-118.057055	5575	
WAWONA	44109	NPS	YNP	531	37.544483	-119.644759	4279	
WOLVERTON	44732	NPS	KNP	534	36.445926	-118.704317	5590	
WWOLF	43612	NPS	YNP	531	37.859426	-119.651599	8037	

Appendix F - Other Useful Links

Alert Wildfire Cameras: https://www.alertwildfire.org/

Alert California Cameras: https://alertca.live/

Wildfire Forecast Threat Intelligence Integration Center: https://hub.wftiic.ca.gov/

NOAA GSL Fire Weather Testbed: https://gsl.noaa.gov/fire-wx/fire-weather-testbed

NASA FIRMS: https://firms.modaps.eosdis.nasa.gov/usfs/map/

AGENCY SIGNATURES / EFFECTIVE DATES OF THE AOP

This AOP shall be effective on the date the last signature is placed on this page and will remain in effect until the date of the last signature is placed on this page the following year. Updates of amendments may be added in the interim upon agreement of all signatories.

Agency Signatures:

6/4/25

Jason Webber — Date
CWCG Contract County Representative Chair

MEAD.MICHELLE.MARIE.1365871449
Digitally signed by MEAD.MICHELLE.MARIE.1365871449
Date: 2025.05.21 08:28:56 -07'00'

Michelle Mead, Meteorologist in Charge, NWS Sacramento — Date
NWS State Liaison Official - Northern California

COHEN.ARIEL.ELMAR.1379754437
Digitally signed by COHEN.ARIEL.ELMAR.1379754437
Date: 2025.05.19 11:06:16 -07'00'

05/19/2025

Ariel Cohen, Meteorologist in Charge, NWS Los Angeles/Oxnard — Date
NWS State Liaison Official - Southern California