

Weekly Wildfire Brief

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Notice: The information in this report is subject to change and may have evolved since the compiling of this report.

BLUE Text = Newly added information and information that has changed since the last wildfire brief.

GRAY Text = Information where nothing new has been posted since the last wildfire brief, unable to reverify the information as still being current.

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(Previous Brief Published 10/18/18)

Wildfire Summary - October 25, 2018

For reference: 1 sq mile = 640 acres ; 1 football field = approx 1.32 acres

Fire	Acres Burned [Change]	% Contained [Change]	Evacuations	Structures Threatened	Structures Destroyed	Page
Tulare County						
Alder Fire	702	3%	Area Closure	None listed	None listed	6

* Newly added fire

Legend for National Interagency Fire Center MODIS Fire Activity Maps

Where available MODIS maps are included for the fires in this report. The MODIS maps display the Moderate Resolution Imaging Spectroradiometer (MODIS) fire detection data, which is collected via satellite. Thermal data, for the northern hemisphere, is collected twice a day, at 12:00 AM EST and 2:00 PM EST.

Color Coding Legend:

Red Circles: fire activity within the last 0-12 hours

Orange Circles: fire activity within the last 12-24 hours

Yellow Circles: Fire activity within the last 24-48 hours

Burn area and perimeter lines of current fires are usually shown in yellow, though occasionally for some fires they are green. Perimeter lines of previous fires from this fire season are shown in gray.

More Information about MODIS can be found at: https://www.geomac.gov/viewer/help/modis_active.html and <http://modis-fire.umd.edu>

Weather Information

Source: Cal OES Daily Situation Report - October 25, 2018

RH = Relative Humidity

NORTHERN CALIFORNIA

- High pressure will be over Northern California through Saturday.
- Most areas will be dry with above normal temperatures. The exception will be late Friday when a low pressure trough moving through the Pacific NW brings spotty light rain to far NW CA.
- N-NE/Offshore winds will gust to 15-25 mph in a few wind-prone areas from the western Cascade-Sierra crest to the coast during nights and mornings through Saturday.
- A low pressure trough will move through the region Sunday and exit early Monday. Light rain possible north of a Ukiah-McCloud-Alturas line, with up to half an inch in far NW CA. Partly cloudy to cloudy elsewhere.
- All areas will see cooler temperatures, higher relative humidity (RH), and gusty S-W winds Sunday. Gusts from the Shasta Valley E will reach 25-35 mph late Sunday.
- High pressure will return with warm, dry, and breezy conditions Monday-Friday.
- N-NE/Offshore winds 10-20 mph with gusts to 30-40 mph from the Western Cascade-Sierra slopes to the coast Monday-Tuesday, then continuing at lighter speeds. Daily minimum RH 10-20% beginning Monday. Poor RH recovery also beginning Monday.

SOUTHERN CALIFORNIA

- Much warmer weather can be expected through Saturday as strong high pressure parks itself over the district. Very light and highly localized offshore winds will be possible Friday and Saturday during the morning hours across Southern California. Much cooler weather will return Monday, with gusty north winds likely through the favored canyons. A stronger offshore wind event looms ahead next Tuesday evening into Halloween.
- Mostly sunny skies with high temperatures in the 60s in the mountains to the upper 80s and lower 90s in the valleys through Saturday. Temperatures falling 8-12 degrees Monday.
- Local north winds 15-30 mph across Santa Barbara County and the I-5 Corridor this morning.
- Light offshore winds of 10-20 mph Friday and Saturday across Southern California.
- Minimum humidity will drop to 10-20% today through Saturday.
- Gusty north winds possible Monday with offshore winds likely by the middle of next week.
- No precipitation is expected throughout the period.

Red Flag Warnings/Watches

Red Flag Warnings & Watches

As of Oct 25, 2018 @ 8:30pm

Fire Weather Watch in Effect Sunday Oct 28:

- Greater Lake Tahoe
- Mono County, Eastern Alpine County

Current Watches, Warnings or Advisories for California Link

<https://alerts.weather.gov/cap/ca.php?x=1>



= Fire Weather Warning
 = Fire Weather Watch
 Source: <https://www.weather.gov/fire/>

Air Quality

Current Air Quality
as of Oct 25, 2018 8:00pm



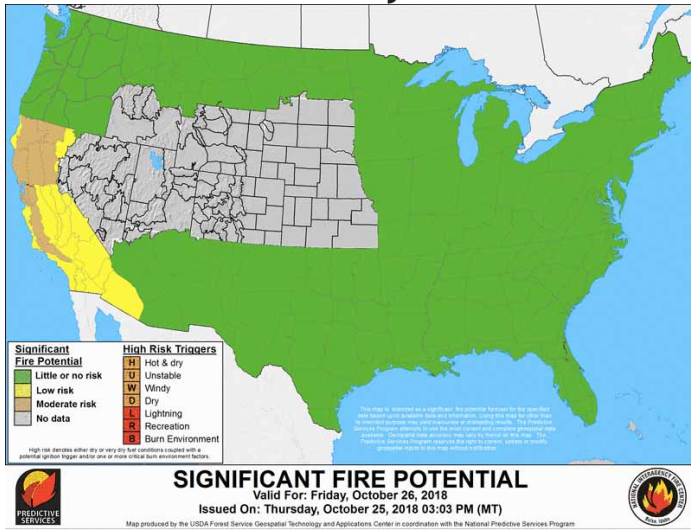
Air Quality Forecast
for Friday, October 26



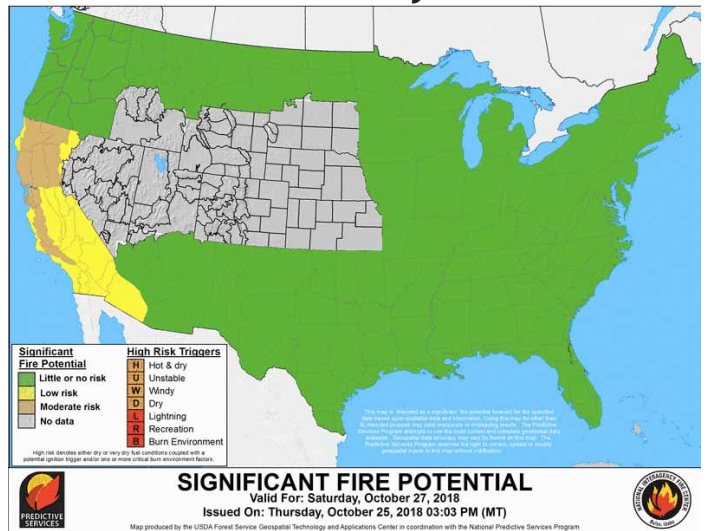
Source: <https://gispub.epa.gov/airnow/>

Significant Fire Potential Maps

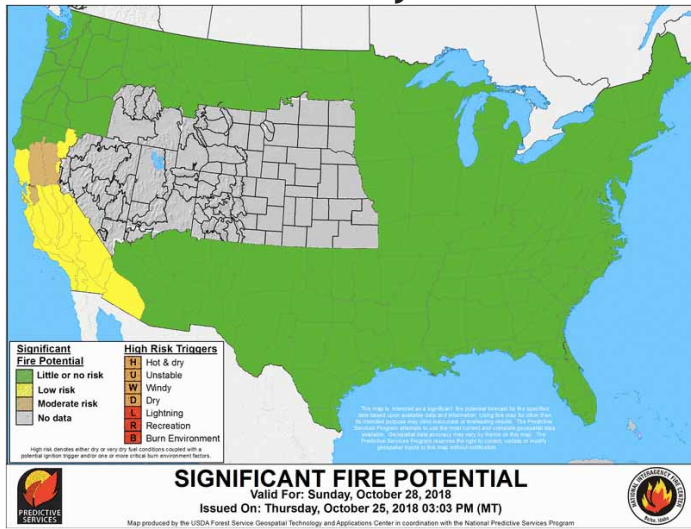
Friday



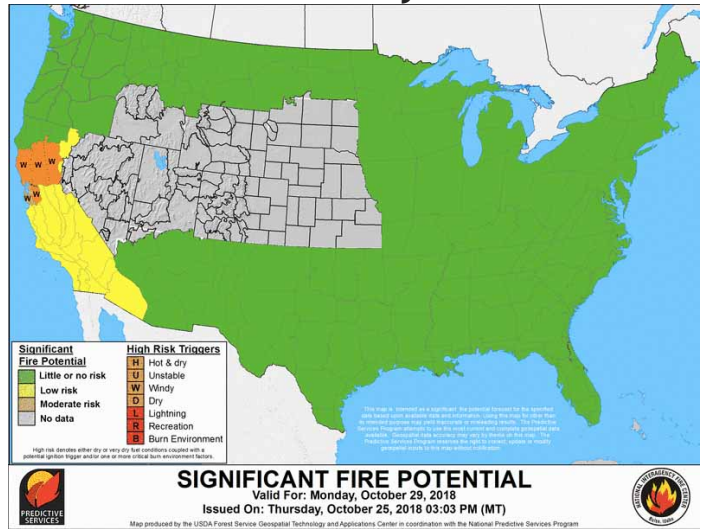
Saturday



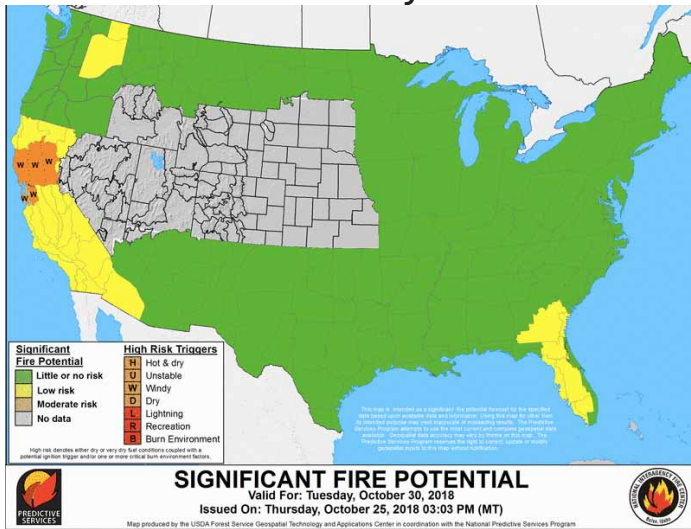
Sunday



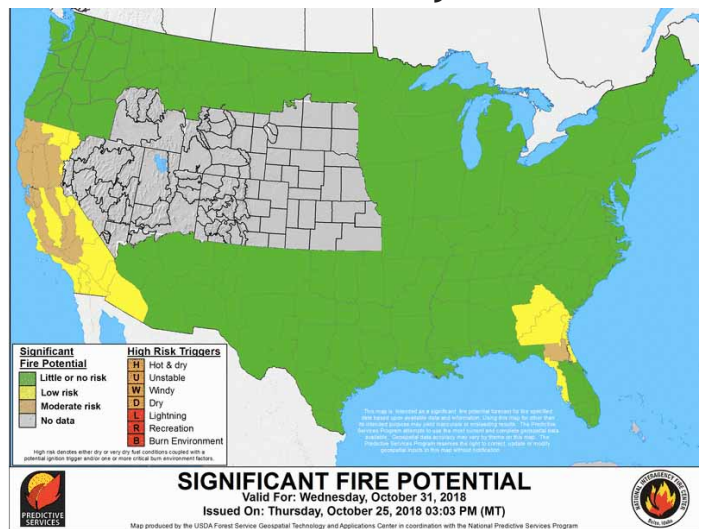
Monday



Tuesday

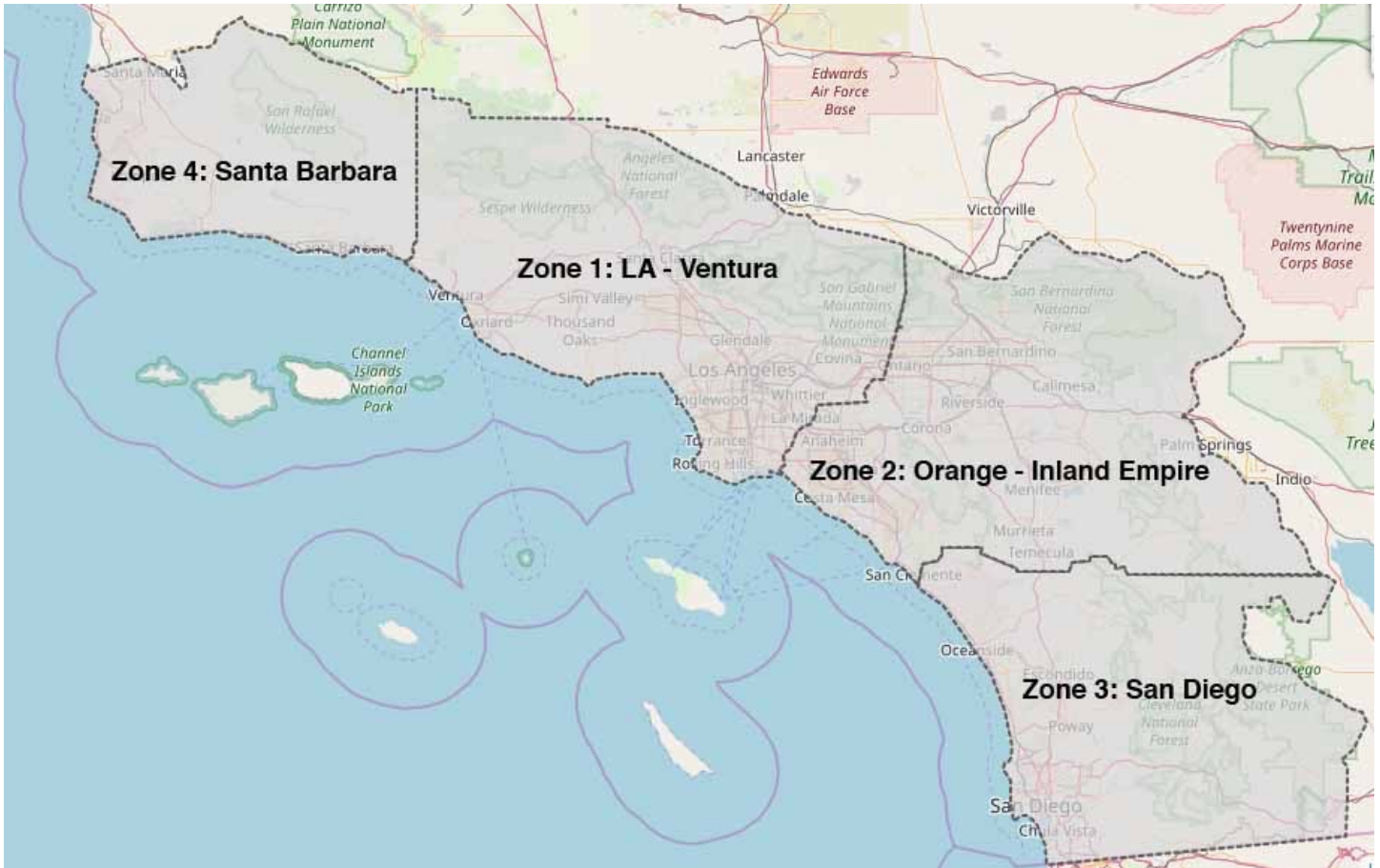


Wednesday



Source: <http://psgeodata.fs.fed.us/staticmap.html>

Santa Ana WildfireThreat Index



Threat Level

	Friday	Saturday	Sunday	Monday	Tuesday
Zone 1: LA-Ventura					
Zone 2: Orange-Inland Empire					
Zone 3: San Diego					
Zone 4: Santa Barbara					

Threat Level

Description

No Rating	Winds are either not expected, will not contribute to significant fire activity.
Marginal	Upon ignition, fires may grow rapidly.
Moderate	Upon ignition, fires will grow rapidly and will be difficult to control.
High	Upon ignition, fires will grow very rapidly, will burn intensely, and will be very difficult to control.
Extreme	Upon ignition, fires will have extreme growth, will burn very intensely, and will be uncontrollable.

Source: <https://fsapps.nwcg.gov/psp/sawti> (Forecast Issued: Oct 25, 2018 1:29am)

Alder Fire - Tulare County

Sources reference number (#) corresponds to number in the information sources at the end of the section.

Acres Burned [Change]	% Contained [Change]
702* (2) [+500]	3% (1)

Start Date	Estimated Containment Date
October 4, 2018 (1)	November 15, 2018 (1)

Lead Agency(ies)
Sequoia National Forest (1)

Initial Location
5 miles N of Camp Nelson, in Giant Sequoia National Monument (1)



Structures Threatened	Structures Destroyed
None Listed	None Listed

Area Closure / Evacuations
Area Closure on the Western Divide Ranger District (1)

Other Infrastructure Threats
Firefighters have been preparing a defensive perimeter around the Doyle Springs and Sequoia Crest communities ... in the unlikely event that the fire progresses to the south closer to these communities. (2)

Cause of the Fire
Lightning (1)

Hashtags
#alderfire

Fire Maps
Source: National Interagency Fire Center Map (Oct 25, 2018)
Impacted Zip Codes: 93265
Nearby Zip Codes: -
Fire Information Line: 559-539-2607 ext. 2292; 7 days a week, 7 am to 6 pm
Projected Fire Activity
The Alder Fire is slowly moving mostly toward the west, with a little movement to the east and north. It is holding steady on the north side of North Alder Creek. It is burning with low to moderate intensity, mostly on the ground, with the occasional isolated torching of dead trees which are prone to burn more readily. (2)

Information Sources

- 1) InciWeb Incident Page - Alder Fire and Mountaineer Fire and Moses Fire: <https://inciweb.nwcg.gov/incident/6238/> (Updated: October 25, 2018 6:52pm)
- 2) InciWeb Incident Update - Alder, Mountaineer and Moses Fires Update 10-25-18: <https://inciweb.nwcg.gov/incident/article/6238/48720/> (Updated: October 25, 2018 around noon)

Downloadable Map Files

Fire	Link	Download Guide #	File Types
Air Quality Index (AQI)	https://airnow.gov/index.cfm?action=google_earth.index	B	KML Only
Cal Fire 2018 Statewide Fire Map	https://www.google.com/maps/d/viewer?mid=1HacmM5E2ueL-FT2c6QMVzoAmE5M19GAf	A	KML & KMZ
NASA FIRMS Map (fire activity)	https://firms.modaps.eosdis.nasa.gov/active_fire/#firms-shapefile	C	Shape & KML

Download Instructions

Guide #	Instructions
A	<ol style="list-style-type: none"> 1) click on the three dots in the red header bar for the more options dropdown menu 2) select "Download KML" 3) Select whether you want a KML or KZM File
B	Step 1 under Instructions for Google Earth has the "click here" download link
C	Select the desired map file type and select the desired time period under "USA (Conterminous) and Hawaii"

Guide for Overlaying Zip Code Data in Google Earth

After opening KML or KZM file in Google Earth activate the Postal Code Boundary layer to see the zip codes. Postal Code Boundary layer is located in Google Earth under Layers -> More -> US Government -> Postal Code Boundary. Tip: to make it easier to see the zip code boundaries, turn off the roads layer.

USGS Post-Fire Debris Flow Hazard Assessment Maps

The USGS conducts post-fire debris-flow hazard assessments for select fires in the Western U.S. We use geospatial data related to basin morphometry, burn severity, soil properties, and rainfall characteristics to estimate the probability and volume of debris flows that may occur in response to a design storm. Wildfire can significantly alter the hydrologic response of a watershed to the extent that even modest rainstorms can produce dangerous flash floods and debris flows.

Fire	County(ies)	Link
Carr Fire	Shasta, Trinity	https://landslides.usgs.gov/hazards/postfire_debrisflow/detail.php?objectid=206
Cranston Fire	Riverside	https://landslides.usgs.gov/hazards/postfire_debrisflow/detail.php?objectid=203
Donnell and McCormick Fire	Tuolumne	https://landslides.usgs.gov/hazards/postfire_debrisflow/detail.php?objectid=217
Ferguson Fire	Mariposa	https://landslides.usgs.gov/hazards/postfire_debrisflow/detail.php?objectid=209
Georges Fire	Inyo	https://landslides.usgs.gov/hazards/postfire_debrisflow/detail.php?objectid=193
Hire & Delta Fires	Shasta, Siskiyou, & Trinity	https://landslides.usgs.gov/hazards/postfire_debrisflow/detail.php?objectid=226
Holy Fire	Orange, Riverside	https://landslides.usgs.gov/hazards/postfire_debrisflow/detail.php?objectid=211
Klamathon Fire	Siskiyou	https://landslides.usgs.gov/hazards/postfire_debrisflow/detail.php?objectid=199
Mendocino Complex - Ranch Fire	Lake, Mendocino	https://landslides.usgs.gov/hazards/postfire_debrisflow/detail.php?objectid=214
Mendocino Complex - River Fire	Lake, Mendocino	https://landslides.usgs.gov/hazards/postfire_debrisflow/detail.php?objectid=210
Natchez Fire	Del Norte & Siskiyou	https://landslides.usgs.gov/hazards/postfire_debrisflow/detail.php?objectid=228
Pawnee Fire	Lake	https://landslides.usgs.gov/hazards/postfire_debrisflow/detail.php?objectid=213
Valley Fire	San Bernardino	https://landslides.usgs.gov/hazards/postfire_debrisflow/detail.php?objectid=195

Downloadable Geodatabase and Shape files are available towards the bottom of the linked USGS pages.

Wildfire Resource Links

National Significant Wildland Fire Potential Outlook

https://www.predictiveservices.nifc.gov/outlooks/monthly_seasonal_outlook.pdf

Cal Fire Incident Page

http://www.fire.ca.gov/current_incidents

National Interagency Coordination Center Daily Situation Report (Fire)

<https://www.nifc.gov/nicc/sitreprt.pdf>

CalFire 2018 Wildfire Map

<https://www.google.com/maps/d/viewer?mid=1HacmM5E2ueL-FT2c6QMVzoAmE5M19GAf&hl=en&ll=37.421476393980626%2C-119.27200899999997&z=6>

National 7-Day Significant Fire Potential Map

<http://psgeodata.fs.fed.us/forecast/#/outlooks?state=map>

Air Quality Conditions - Fires Map

https://airnow.gov/index.cfm?action=topics.smoke_wildfires

CDC Wildfire Smoke Exposure

<https://www.cdc.gov/disasters/wildfires/smoke.html>

NOAA Hazard Mapping System Fire and Smoke Product

<http://www.ospo.noaa.gov/Products/land/hms.html>

Red Cross Disaster Shelter Locations

<http://www.redcross.org/get-help/disaster-relief-and-recovery-services/find-an-open-shelter>

USGS Emergency Assessment of Post-Fire Debris-Flow Hazards

https://landslides.usgs.gov/hazards/postfire_debrisflow/

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