

Forest Fires in California, 2019

Satellite Imagery

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Overview of California Wildfires

Total fires: 7,860

Total forest area destroyed: 260,000 acres

Damage: \$163 Million

Deaths: 5

https://en.wikipedia.org/wiki/2019_California_wildfires

The Kincaid Fire

The largest fire in California in 2019 destroying 78,000 acres of forestry and homes.

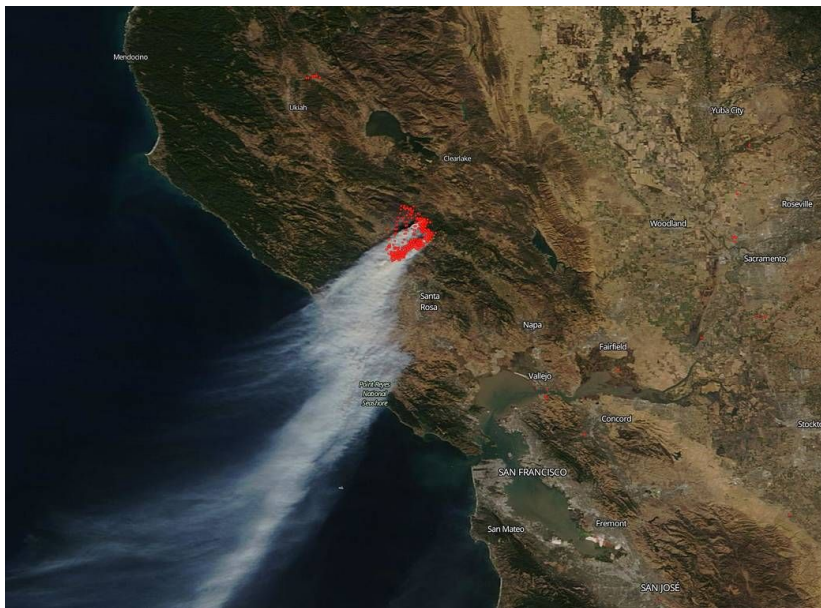
Satellite imagery played a huge role in operations to live-track the fire to assist emergency personnel on suppressing it



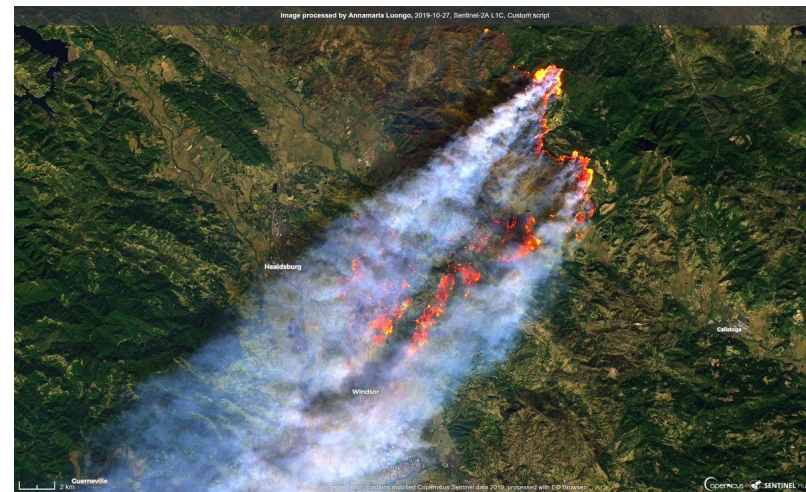
Smoke from the Kincaid fire as seen from GEOS-17 on October 24



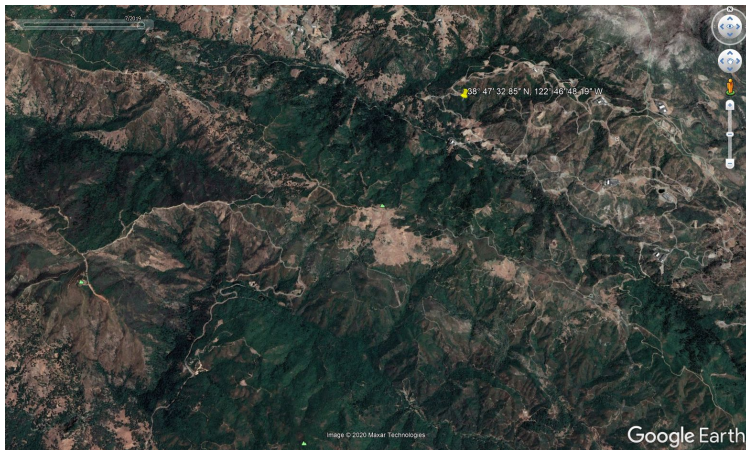
Planet's high angle satellite image of the Kincaid fire in California on October 27th, 2019



California's devastating Kincadee Fire located in Sonoma County grew to over 66,000 acres and NASA's Terra satellite captured this dramatic image of the smoke plume cascading down the coast. The fire was located northeast of Geyserville and was classified as a "vegetation fire" and its origins are still unknown. Weather coupled with the steep, narrow terrain made controlling and containing the fire especially challenging. Well over 100,000 residents in the area were evacuated and according to CAL fire 79,675 structures are threatened and 96 structures have already been destroyed. Over 70,000 of the structures threatened at the time were homes.



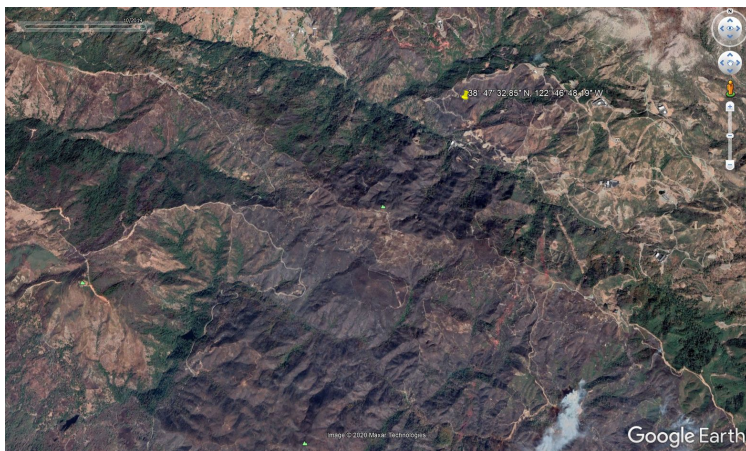
This image taken Sunday by the Sentinel-2A satellite shows the Kincadee Fire spreading southwest toward the Sonoma County towns of Healdsburg and Windsor. The smoke plume extends to the Pacific Ocean.



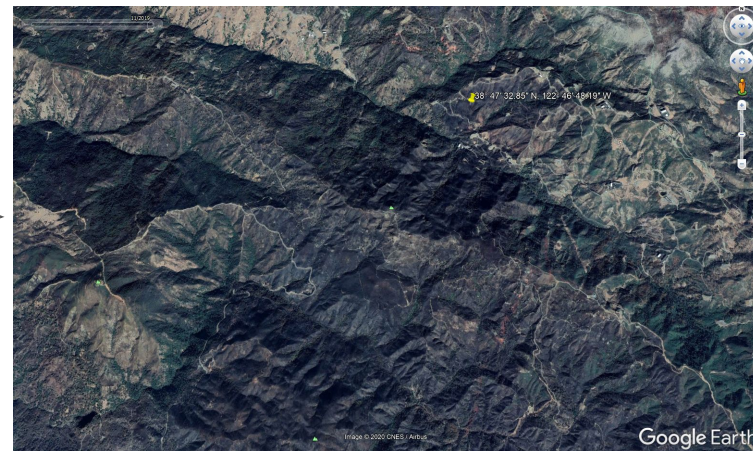
Google Earth Pro 7/2019



Google Earth Pro 10/2019



Google Earth Pro 10/2019



Google Earth Pro 11/2019



Google Earth Pro 10/2019

Ground Images from Kincade Wildfires

Image - New York Times



Image - New York Times



Image - New York Times



Image - New York Times



- The Kincade wildfires took two weeks from October 23rd to November 6th to be fully contained
- A report shows that around the time the fire's had started there was a 230,000 V transmission line failure near the point of origin
- The fires destroyed over 150 homes and caused power outages that impacted roughly between 2.5 - 2.8 million people

Sources

- https://en.wikipedia.org/wiki/Kincade_Fire
- <https://www.nytimes.com/2019/10/27/us/california-fires-photos.html>