FEMA Geospatial Coordination Call

California Wildfires

November 16, 2018 2:00 PM EST

UPDATE: The next call will be on Monday, Nov 19th

Conference Bridge: 800-320-4330, Passcode:247327#

Adobe Connect:
https://fema.connectsolutions.com/geospatialcoordinationcall/

Storymap Link:
https://arcg.is/0f0Cr8

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1. Geospatial Coordination Call Info

California Wildfires

FEMA GEOSPATIAL COORDINATION CALL

Update: The next call will be on Monday, Nov 19th

Conference Bridge: 800-320-4330, Passcode: 247327#

Adobe Connect: https://fema.connectsolutions.com/geospatialcoordinationcall/

Coordination Call Story Map**:** https://arcg.is/0f0Cr8

NOTE: We are not currently having separate calls for Geospatial and Remote Sensing, instead there will be a Remote Sensing update given during the Geospatial call.

Updated on November 16, 2018

FEMA Hurricane Incident Journal:
https://fema.maps.arcgis.com/apps/MapJournal/index.html?appid=97f53eb1c8724609ac6a0b1ae861f9b5

FEMA GIS Portal:
http://fema.maps.arcgis.com/

FEMA GIS Portal:
https://fema.maps.arcgis.com/apps/MinimalGallery/index.html?appid=6bd1d3fa669343eb87bf7a8a15f028c0

2. Situational Overview

November 16, 2018
Active Fires
Source: FEMA Region 9 map (http://arcg.is/19OCbu)

- **Camp Fire**
  - Camp, Concow, Paradise, Yankee Hill, Cherokee, Butte Valley, Butte Creek Canyon
  - 142,000 Acres Burned (2,000 Acre increase from yesterday)
  - 45% Contained (an increase from yesterday's 40%)

- **Woolsey Fire**
  - Woolsey, Bell Canyon, Oak Park, Casa Conejo, Malibu
  - 98,362 Acres Burned (same as yesterday)
  - 69% Contained (an increase from yesterday's 57%)

November 15, 2018
Active Fires
Source: FEMA Region 9 map (http://arcg.is/19OCbu)

- **Camp Fire**
  - Camp, Concow, Paradise, Yankee Hill, Cherokee, Butte Valley, Butte Creek Canyon
  - 140,000 Acres Burned (5,000 Acre increase from yesterday)
  - 40% Contained (5% increase from yesterday)
- **Woolsey Fire**
  - Woolsey, Bell Canyon, Oak Park, Casa Conejo, Malibu
  - 98,362 Acres Burned (742 acres increase from yesterday)
  - 57% Contained (10% increase from yesterday)

November 14, 2018
Active Fires
Source: FEMA Region 9 map (http://arcg.is/19OCbu)

- **Camp Fire**
  - Camp, Concow, Paradise, Yankee Hill, Cherokee, Butte Valley, Butte Creek Canyon
  - 135,000 Acres Burned (10,000 Acre increase from yesterday)
  - 35% Contained (5% increase from yesterday)
- **Woolsey Fire**
  - Woolsey, Bell Canyon, Oak Park, Casa Conejo, Malibu
  - 97,620 Acres Burned (1,606 acres increase from yesterday)
  - 47% Contained (12% increase from yesterday)
- **Hill Fire – Recently Contained**
  - Hill, Casa Conejo

3. FEMA Regional Updates

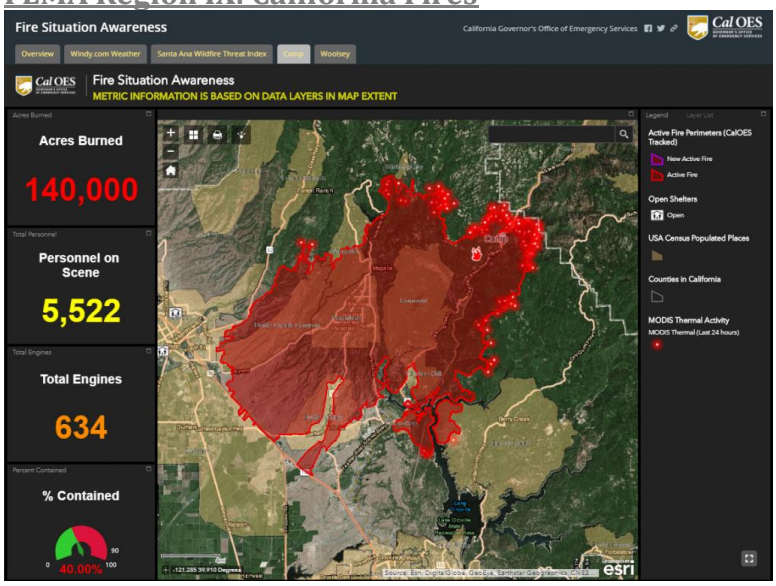
November 16, 2018
Regional Updates:

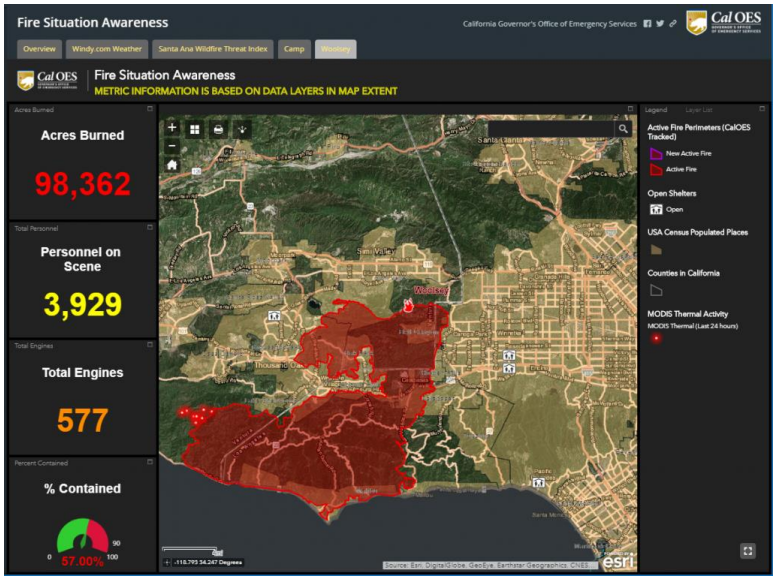
- **FEMA Region IX: Chris Stewart**

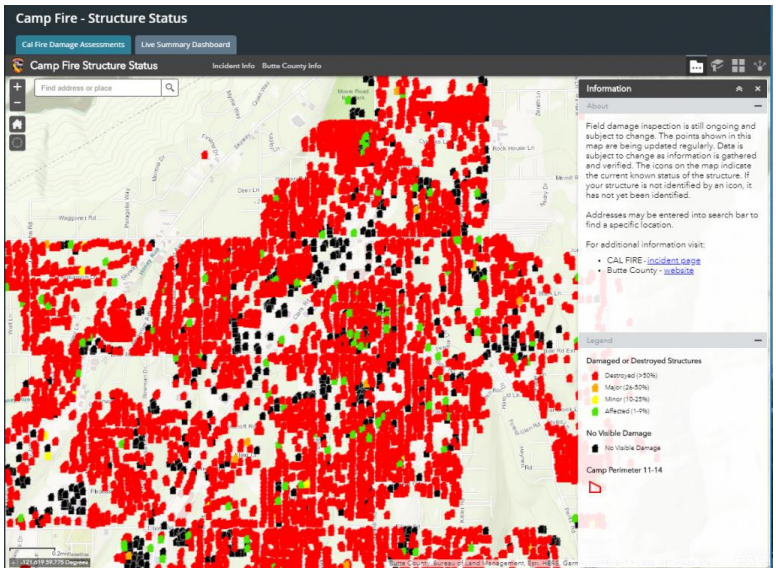
November 15, 2018
Regional Updates:

- **FEMA Region IX:**
- Chris Stewart is embedded with CalOES today
- Chris Vaughan from FEMA HQ will join him this afternoon
- Contact Chris S directly if you have any R9 concerns or requests for him

FEMA Region IX: California Fires







4. Imagery Services and Helpful Links

November 16, 2018
All Data sources listed here will also be included in the Updated Data Source documents sent to Remote Sensing and GIS Data for Disaster Community *subscribers.*

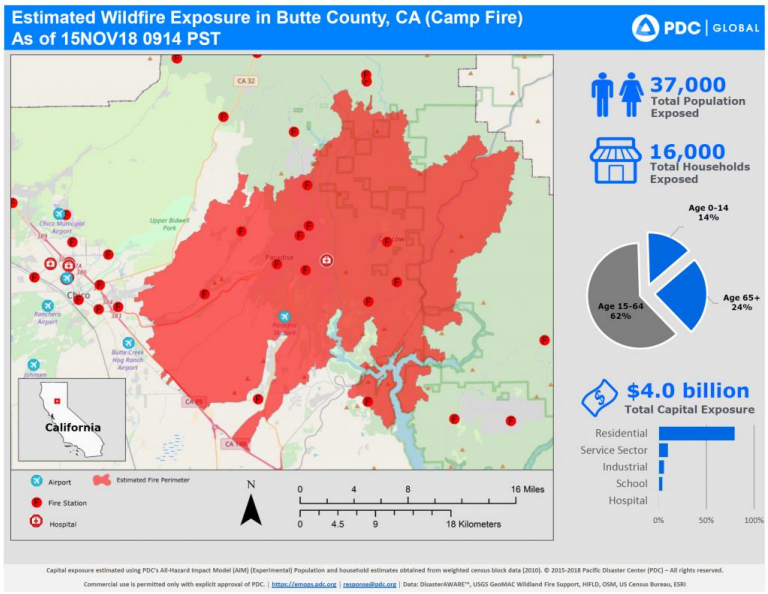
Official Region 9 California Fires Journal
http://arcg.is/19OCbu

Cal OES Situational Awareness Dashboards
Situational Awareness Dashboard Web App

FEMA Wildfire Journal
https://fema.maps.arcgis.com/apps/MapJournal/index.html?appid=58585e471e484cffbc398c5830d0b4dd

[NEW] Camp Fire Structure Status from Cal Fire
http://calfire-forestry.maps.arcgis.com/apps/webappviewer/index.html?id=5306cc8cf38c4252830a38d467d33728
This is the URL to the layer:
https://services1.arcgis.com/jUJYIo9tSA7EHvfZ/arcgis/rest/services/Camp2018_DINS_Public_View_Pictures/FeatureServer
[NEW] Pacific Disaster Center
PDC – Wildfire – Butte County (Camp Fire), California, 15NOV18 0914 PST

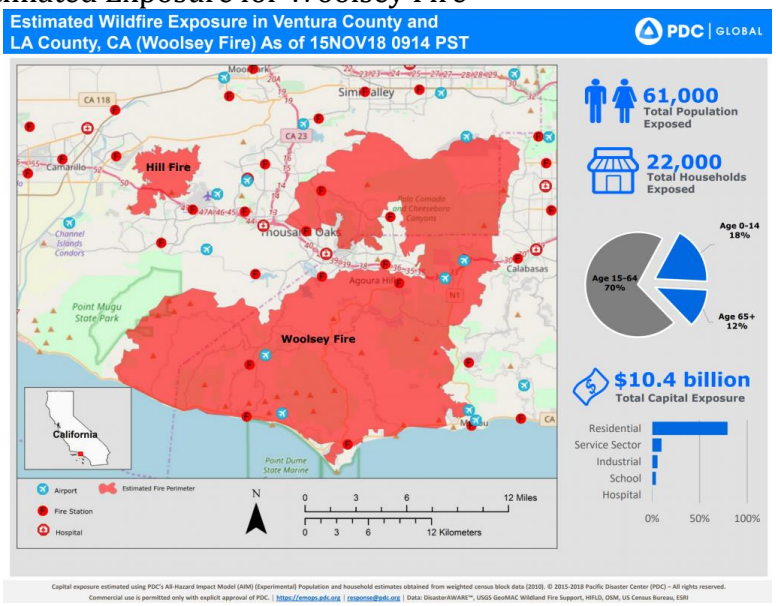
- "Wildfire – Butte County (Camp Fire), California, United States" event in DisasterAWARE: https://emops.pdc.org/emops/?hazard_id=87194
- Product: Estimated Exposure for Camp Fire



- Link: PDC_Wildfire_Camp_Estimated_Fire_Exposure_15NOV18

PDC – Wildfire – Ventura and LA County (Woolsey Fire), California, 15NOV18 0914 PST

- "Wildfire – Ventura County, California, United States" event in DisasterAWARE: https://emops.pdc.org/emops/?hazard_id=87214
- Product: Estimated Exposure for Woolsey Fire



- Link: PDC_Wildfire_Woolsey_Estimated_Fire_Exposure_15NOV18

Register here for a DisasterAWARE
Account: https://emops.pdc.org/emops/public/registeruser.jsp
Please advise response@pdc.org if you require additional support.

Camp Fire – Normalized SWIR Index

Published Sentinel Imagery for the Camp Wildfire 11_11_2018. Products: SNB, SSR, and Normalized SWIR Index.
http://fema.maps.arcgis.com/apps/webappviewer/index.html?id=b01fa859f5be467f872ae0799c17f503

REST Service CAL FIRE Dashboard

http://fema.maps.arcgis.com/apps/opsdashboard/index.html#/457db02e0a1646edaf62c520a852859f

Joint Task Civil Support ArcGIS Portal Site
https://cs-map.jtfcs.northcom.mil/arcgis/home

NICB Collection Areas

Aerial Imagery in support of the Woolsey Fire and Camp Fire in California
Please visit www.geointel.org for more information
Please contact us with any questions at: support@geointel.org

SSEC True Color imagery from VIIRS direct broadcast
https://re.ssec.wisc.edu/s/BXKCQ

JSTAR JPSS Mapper
JSTAR Mapper

HRRR (rapid refresh) experimental smoke model forecasts
https://rapidrefresh.noaa.gov/hrrr/HRRRsmoke/

Experimental Forecast NOAA HRRR Smoke
https://hwp-viz.gsd.esrl.noaa.gov/smoke/index.html

HDDS

HDDS is supporting the November California fires in the US. The following images and products have been added to HDDS.
If you would like to request specific imagery for HDDS in support of this event, please use the USGS Collection Management Tool (CMT): http://cmt.usgs.gov/
https://hddsexplorer.usgs.gov/fire/ Event: 201811_Fire_US
Please continue to monitor the HDDS site or Twitter (@USGS_HDDS) for ongoing updates.
EVENT: 201811_Fire_US

PLEIADES

1 Scenes were ingested:
https://hddsexplorer.usgs.gov/criteria?event=201811_Fire_US&ordered=201811_Fire_US_DOD_PLEIADES1_Hill_Fire_20181111&field=BATCH_NAME

SENTINE-1

1 Scenes were ingested:
https://hddsexplorer.usgs.gov/criteria?event=201811_Fire_US&ordered=201811_Fire_US_ESA_SENTINEL1_Woolsey_Hill_20181111&field=BATCH_NAME

SPOT6 SPOT7

4 Scenes were ingested:
https://hddsexplorer.usgs.gov/criteria?event=201811_Fire_US&ordered=201811_Fire_US_DOD_SPOT6_PSH_Woolsey_20181113,201811_Fire_US_DOD_SPOT7_PSH_Camp_Fire_20181110,201811_Fire_US_DOD_SPOT7_PSH_CampFire_20181112&field=BATCH_NAME

WORLDVIEW SWIR

2 Scenes were ingested:

https://hddsexplorer.usgs.gov/criteria?event=201811_Fire_US&ordered=201811_Fire_US_NGA_WORLDVIEW3_SWIR_Woolsey_Hill&field=BATCH_NAME

NASA ARIA Damage Proxy Map

NASA's ARIA Damage Proxy Map of the Woolsey Fire in Southern California was created from the Sentinel-1 satellite SAR data acquired on Nov 11 6am local time. The maps are available to download from http://aria-share.jpl.nasa.gov/events/201811-Woolsey_Fire/ Below is an illustrative figure of the map, and the following is the caption.

Woolsey Fire 6am Nov 11, 2018 – ARIA Damage Proxy Map v0.5

The Advanced Rapid Imaging and Analysis (ARIA) team at NASA's Jet Propulsion Laboratory in Pasadena, California, created this Damage Proxy Map (DPM) depicting areas of Southern California that are likely damaged (shown by red and yellow pixels) as a result of the Woolsey Fire. The map is derived from synthetic aperture radar (SAR) images from the Copernicus Sentinel-1 satellites, operated by the European Space Agency (ESA). The pre-event images were taken before (October 30, 2018) and the post-event image was acquired during the fire (6am November 11, 2018, both local time).

The map covers an area of 50 miles x 25 miles (80 km x 40 km), indicated with the big red polygon. Each pixel measures about 33 yards x 33 yards (30 m x 30 m). The color variation from yellow to red indicates increasingly more significant ground surface change. Preliminary validation was done by comparing to the Approximate fire location by the Google Crisismap. This damage proxy map should be used as guidance to identify damaged areas, and may be less reliable over vegetated areas including farmlands. For example, the scattered single colored pixels over vegetated areas may be false positives, and the lack of colored pixels over vegetated areas does not necessarily mean no damage.

Sentinel-1 data were accessed through the Copernicus Open Access Hub. The image contains modified Copernicus Sentinel data (2018), processed by ESA and analyzed by the NASA-JPL/Caltech ARIA team. This research was carried out at JPL funded by NASA.

For more information about ARIA, visit: http://aria.jpl.nasa.gov

Camp Fire Structure Status

Camp Fire Structure Status Web Map

NASA Disasters GIS Portal

https://maps.disasters.nasa.gov/

Butte County Evac Zones

Butte County Evac Zone Web Application

FEMA GIS Portal

https://fema.maps.arcgis.com/home/index.html

NIFC Enterprise Geospatial Portal
For the Fire Community

https://egp.nwcg.gov/egp/default.aspx
Users can register for an account on the splash page. NIFC will vet your access before issuing an account.

For the Public
https://maps.nwcg.gov/

FS Fire Data Web Services
https://fsapps.nwcg.gov/afm/wms.php

Fire Perimeters

- https://rmgsc.cr.usgs.gov/outgoing/GeoMAC/current_year_fire_data/current_year_all_states/
- https://rmgsc.cr.usgs.gov/ArcGIS/rest/services

InciWeb
http://inciweb.nwcg.gov/

US Wildfire Activity Public Information Map (ESRI ArcGIS)
http://www.arcgis.com/apps/PublicInformation/index.html?appid=4ae7c683b9574856a3d3b7f75162b3f4

Air Now (Air Quality)
https://www.airnow.gov/

Forest Service Active Fire Mapping
https://fsapps.nwcg.gov/afm/#

RemotePixel Viewer (Landsat-8, Sentinel-2 and CBERS-4 data viewer powered by AWS Lambda) (Use Chrome or FireFox)
Click Here for Viewer

ESA Sentinel Imagery (Use Chrome or FireFox)
Sentinel data-playground- additional band combinations to choose from as compared to the eo-browser. (Viewer)
Click Here for Viewer

Updated on November 16, 2018

ADDITIONAL INFORMATION

FEMA Geospatial Coordination Calls

When? Daily @ 2:00 PM (Eastern)
Where? Conference Bridge: 800-320-4330, Passcode: 247327#

Adobe Connect: https://fema.connectsolutions.com/geospatialcoordinationcall/

>> Daily coordination call notes will be posted at the following location:
https://disasters.geoplatform.gov/publicdata/NationalDisasters/November2018_CA_Wildfires/Documents/GeospatialCoordinationCallNotes/

>> Register for the FEMA Daily Operations Briefing here:

https://public.govdelivery.com/accounts/USDHSFEMA/subscriber/new?topic_id=USDHSFEMA_153

**** Please forward the details of these calls to other interested parties, including state and local representatives.***

>> To be added to the Geospatial Coordination Calls During Disasters mailing list:

https://public.govdelivery.com/accounts/USDHSFEMA/subscriber/new?topic_id=USDHSFEMA_1351

To subscribe to the Data Source Updates, use this link: Remote Sensing and GIS Data for Disaster Community

>> Questions?

contact us at: FEMA-MDWG@fema.dhs.gov