

Wildfire

[Learn more at disasteraware.org/tutorials/](https://disasteraware.org/tutorials/)



Respond Faster with Smart Alert™

Select Delivery



SMS: Receive wildfire hazard alerts on your mobile device.

Email: This can be separate from your registration email.

PRO TIP

Enter a group email to alert your team, watch office, operations center, and more.

Hazard Severity & Data Source



PDC's proprietary global wildfire hazard model detects large and intense fires, and assigns severity based on intensity and proximity to urban areas. Higher intensity and threat = higher severity.

- **Warning:** Large/intense wildfire detected near urban or developed areas. Immediate attention and action may be required.
- **Watch:** Large/intense wildfire detected. Watch closely as conditions may change. Be prepared to act if necessary.
- **Advisory:** Large/intense wildfire detected. Be advised and monitor the situation for updates. Prepare for potential changes.
- **Information:** Large/intense fire detected. No immediate threat. Stay informed for updates and additional information.

Sources include: PDC-Global, NASA's Visible Infrared Imaging Radiometer Suite (VIIRS)

Focused Alerting



By default, your Smart Alert Area is set to **Global**.

Define Smart Alert Areas to ensure you receive alerts only for hazards that threaten the places you care about or areas you are interested in.

Enhance the monitoring and protection of specific assets (e.g. buildings, team and resource locations) via the **Assets feature**.

Enhanced Monitoring and Protection of Assets



Wildfire

Assess quickly using
the Hazard tooltip ▶



WILDFIRE
Wildfire - Lahaina, Hawaii,
United States
Reported: 5 months ago
Updated: 4 days ago

Products Info Layers Event Brief



Products

Latest updates from
PDC and partners.



Info

Quick summary of the
wildfire event.



Layers

Key layers related to
wildfire hazards.
(See next page for more.)



Event Brief

Exposure to observed hotspots
or the wildfire perimeter.
(See example below.)



WILDFIRE - LAHAINA, HAWAII, UNITED STATES

UNITED STATES
EVENT STATUS AS OF 08 SEPTEMBER 2023 01:27 (UTC)



1 COUNTRY AFFECTED

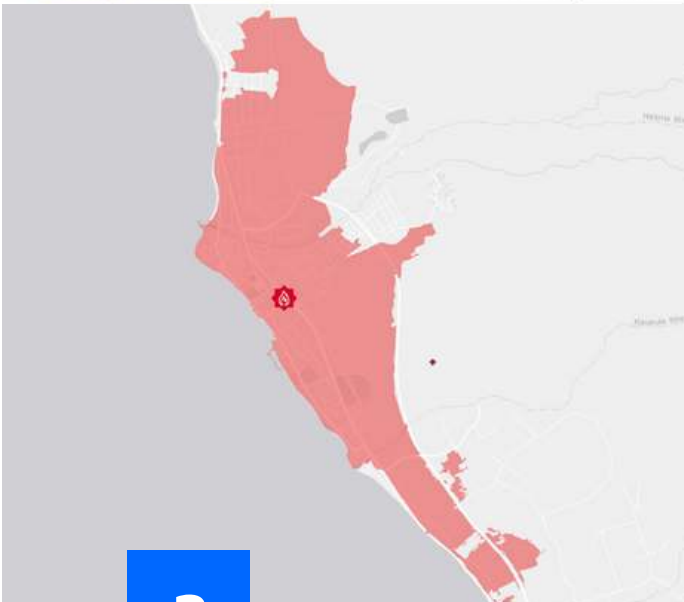
SET FILTER BY COUNTRY ▼

HAZARD
EXPOSURE

RISK PROFILE

LIVE CAMERAS

ORGANIZATIONS
& ACTIVITIES



POPULATION EXPOSED

ESTIMATED POPULATION
EXPOSED

13,600

ESTIMATED HOUSEHOLDS
EXPOSED

5,460

ESTIMATED VULNERABLE POPULATION EXPOSED

1,630



18%

298
CHILDREN
AGE 0-14

65%

1,061
ADULTS
AGE 15-64

17%

271
ELDERLY
AGE 65+

ESTIMATED SCHOOLS
EXPOSED

6

CAPITAL EXPOSED

BREAKDOWN OF KEY NEEDS

FOR EXPOSED VULNERABLE POPULATION

3,260
CALORIES PER DAY

1,290
LITERS OF WATER PER DAY

163
100-LITER WASTE BINS

18,700
SQUARE METERS OF SHELTER

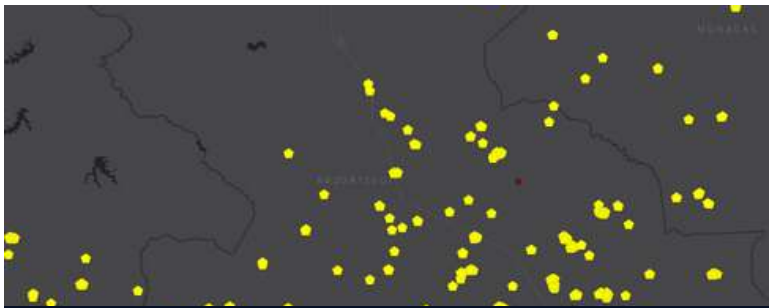
Quickly answers:

- **What** happened?
- **Where** was it?
- **How bad** was it?
- **What actions** do I need to take?



Access Key Layers

See [Layers](#) > Hazards and Events > Wildfire for all associated hazard layers.



Wildfire Locations - Hotspots (Hazard Tooltip)



Current Wildfire Perimeters - USA (Hazard Tooltip)



Wind - Surface Velocity & Forecast (Hazard Tooltip)



Terrain (Layers > Backgrounds Tab)



PDC Global Wildfire Hazard Model

PDC's proprietary global wildfire hazard model leverages NASA's Visible Infrared Imaging Radiometer Suite (VIIRS) data to automatically detect potential large and intense fires. Wildfire alerts are issued through DisasterAWARE, including automated wildfire exposure reports via PDC's Event Brief.

and

Shared Situational Awareness



BOOKMARKS

Save and share your bookmarked layers and drawings with the latest updates for shared situational awareness.

Select the button next to the Bookmark you wish to share and then the **Share** option to copy its link. (Account required to view.)

PRO TIP

Beyond fuel considerations, **terrain and weather factors such as rain, temperature, and wind play pivotal roles in the spread of wildfires.** It is essential to monitor these variables alongside fire-specific data layers. **The direction of fire spread is determined largely by wind direction.** Fires also usually **spread faster upslope.**