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Support for Wildfire Research



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<https://doc-research.org/>



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www.designsafe-ci.org

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- Data Depot
- Tools & Applications
- Recon Portal
- SimCenter Research Tools
- User Guides
- Use Cases

Support during and after field response



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DesignSafe Components

www.designsafe-ci.org

Data

DATA DEPOT		Find in My Projects	q
+ Add	Project ID	Title	
My Data	PRJ-4836	Runout of Liquefaction-Induced Tailings Dam Failure: Sensitivity Analysis	
HPC Work	PRJ-5628	Site amplification and nonlinearity	
My Projects	PRJ-4084	2023 NGA-Compatible CENA Database for GMM Validation and Site Response	
Box.com	PRJ-4684	Hybrid Finite Element and Material Point Method	
Dropbox.com	PRJ-4784	Analysis of Mochikoshi Dam Failure using a Hybrid FEM-MPM Approach	
Google Drive	PRJ-5581	Research Experiences for Undergraduates (REU), NSF NHERI 2024: Graph Netw	
Published	PRJ-1305	Community Data	
	PRJ-4767	Natural Hazards Research Summit 2024: Cyberinfrastructure for Natural Haz	

Use DesignSafe Learning Center

- Data Depot
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Visit NHERI DesignSafe's YouTube Channel for the Full Archive

Featured Playlists

- DesignSafe Webinars
- SimCenter Series: Studying Coastal Hazards with HydroUQ
- 2021 Joint NSF NHERI WOW and Lehigh RTMD EF User Workshop
- SimCenter Series: Advances in Computational Modeling and Simulation

Data

TOOLS & APPLICATIONS

Simulation	Analysis	GIS Tools	Visualization
ADCIRC Coastal circulation and flooding model Flood • Hurricane/Tropical Storm • Storm Surge	Jupyter Interpret python code into intuitive graphs and visualizations with these highly customizable notebooks.	Hazmapper Visualize, analyze, and share geospatial data.	ParaView Visualize datasets of all sizes on various systems.

Recon Portal

2022 M 7.0 Earthquake Northern Philippines
2022 M 6.0 Earthquake Duzdapu Villages Village Near South North China Sea
2022 M 5.5 Earthquake Khuzestān Afghanistan



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Reconnaissance Portal



The Recon Portal is an interactive world map of natural hazard events with associated datasets. View available a marker, browsing the listing of events, or searching by clicking on "Show filter options".

[🔗 Learn how to contribute your datasets.](#)

[🔗 Learn more about contributing.](#)

Show filter options

2025 Los Angeles Fires

Multiple Named Fires: Palisades, Eaton, Kenneth, Hurst, Lidia, Auto, Sunset

2025-01-07

fire

2024 M 7.0 Earthquake

Cape Mendocino California USA

Cape Mendocino California USA

2024-12-05

earthquake

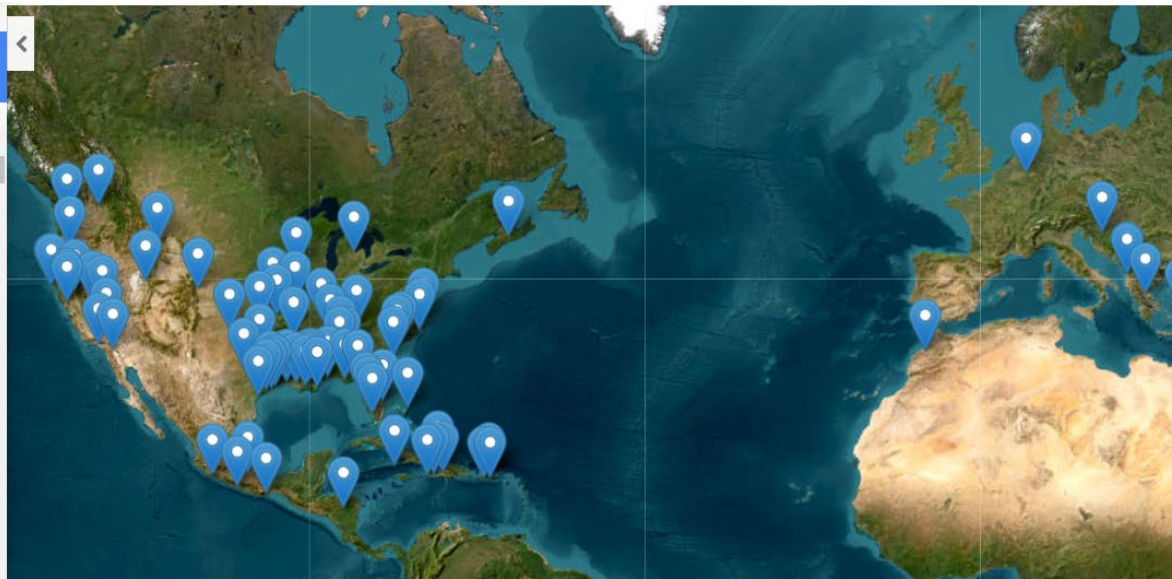
2024 Hurricane Milton

Siesta Key Florida USA

Siesta Key Florida

2024-10-10

hurricane



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2025 Los Angeles Fires

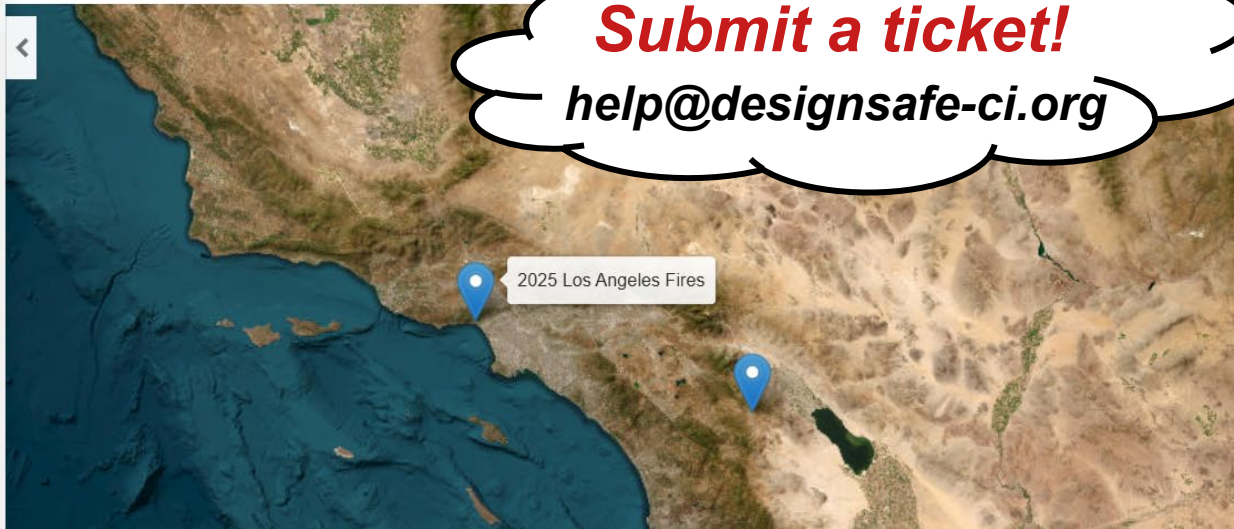
Multiple Named Fires: Palisades, Eaton, Kenneth, Hurst, Lidia, Auto, Sunset

2025-01-07

fire

Available datasets:

- Palisades Fire Damage Maps
- Eaton Fire Damage Maps
- Palisades Building Damage Visualizer - MS AI For Good
- Eaton Building Damage Visualizer - MS AI For Good
- NOAA LA Fire Imagery



Submit a ticket!
help@designsafe-ci.org



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DesignSafe Slack

<https://designsafe-ci.slack.com>

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2025-wildfire-los-angeles

Messages Add canvas Files +

Michael Olsen 1:39 AM Saturday, January 18th

Jamon Van De Hoek (jamon.vandehoek@oregonstate.edu) posted this today:

"The fires in LA have been devastating to watch from afar. Corey Scher and I have mapped structural damage across Los Angeles using satellite radar and are sharing our maps/data with the Financial Times and others. <https://lnkd.in/gt9nuM9R> If you would like access to the data for reporting or research purposes, please get in touch."

These data should be helpful to reconnaissance teams. Here is a screenshot of the maps.

image.png

More than 10,000 buildings are likely to have been damaged or destroyed in the LA wildfires

Submit a ticket to join!
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News

Help



Search DesignSafe

DATA DEPOT

Published

Published (NEES)

Community Data

Help ▾

Q Search wildfire

Project ID	Title
PRJ-5725	Fire Resilience of Physical Civil Infrastructure Report
PRJ-4791	Post-Disaster Housing Recovery Data from the 2017 Camp Fires Dataset
PRJ-4628	Wildfire Vulnerability Affecting Spanish-Speaking Populations at the Texas Wildland Urban Interface Field research
PRJ-4235	Critical Links: Exploring the Connection between Community and Latinx Social Capital for Disaster Resilience along the Texas Gulf Coast Field research
PRJ-3685	2019 Williams Flats Wildfire Slope Stability Field research

- 14 datasets
 - 7 social science
 - 7 engineering
- Topics covered
 - Social vulnerability, housing recovery, public health
 - Landslides, infrastructure resilience, wildland urban interface (WUI)

post-wildfire



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Published Dataset

PRJ-4791 | Post-Disaster Housing Recovery Data from the 2017 Tubbs and 2018 Camp Fires

[Download Dataset](#)

Cite This Data:

Lee, J., R. Costa, J. Baker (2024). *Post-Disaster Housing Recovery Data from the 2017 Tubbs and 2018 Camp Fires*. DesignSafe-Cl. <https://doi.org/10.17603/ds2-59g8-fh80>

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Authors **Lee, Jeonghyun; Costa, Rodrigo; Baker, Jack**

Data Type(s) **Dataset**

Description:

Data sets including parcel level information related to housing reconstruction in Santa Rosa, Unincorporated Sonoma County, and Paradise following the Tubbs Fires and Camp Fires.

<input type="checkbox"/>	File Name	Size	Last Modified
<input type="checkbox"/>	 Paradise.csv	46.4 kB	7/12/2024, 10:44:49 AM
<input type="checkbox"/>	 README.txt	492 bytes	7/12/2024, 10:44:49 AM
<input type="checkbox"/>	 SantaRosa.csv	59.3 kB	7/12/2024, 10:44:49 AM
<input type="checkbox"/>	 Sonoma.csv	27.2 kB	7/12/2024, 10:44:49 AM



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