

Welcome!

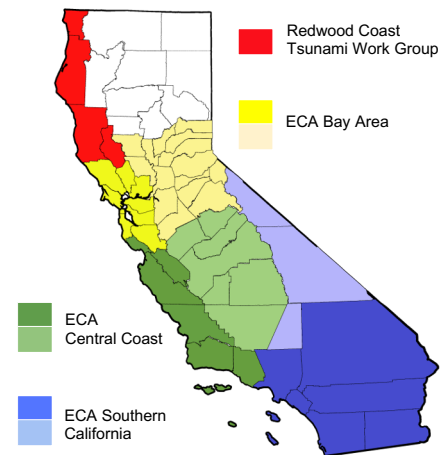


ECA Southern California Winter 2022 Workshop

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Earthquake Country Alliance

- 4000+ *Public-Private-Grassroots* leaders
- Statewide *committees* develop resources and deliver programs
- *Regional Alliances* organize meetings and outreach activities
- California's Office of Emergency Services provides FEMA funding for ECA activities
- USC's Southern California Earthquake Center (SCEC.org) administers ECA (Exec. Director: Mark Benthien)



Join: EarthquakeCountry.org/join

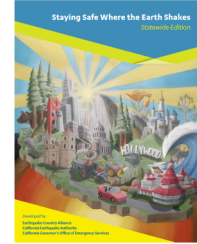


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ECA Statewide Activities

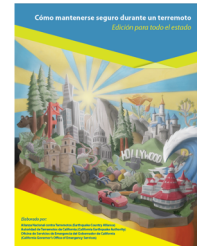
Develop Messaging and Resources:

EarthquakeCountry.org
EarthquakeCountry.org/resources
Terremotos.org



Support Tsunami Preparedness Week:
TsunamiZone.org/california

**March
21-25
2022**



Created and Coordinate
 The Great California ShakeOut:
ShakeOut.org/california

**Oct. 20
in 2022!**



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ECA Sector-Based Outreach Committees

- Public Sector
- Businesses
- Accessibility
- Non-Profit & Faith-Based Organizations
- Healthcare
- Higher Education
- PreK-12 Education
- EPIcenters (Museums, parks, libraries, etc.)

Each meets bimonthly; Join us!

EarthquakeCountry.org/committees

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ECA Outreach Bureaus (Regional & Statewide)

- **Events Bureau**
 - Speakers for online/in-person events
 - Booths and tables at events
 - Request presenter or information table: EarthquakeCountry.org/events
- **Participation Bureau**
 - ShakeOut and Tsunami Week recruitment and communications
 - County/City Partners for local engagement
- **Media Bureau**
 - Statewide and local coordination
 - Media event planning
 - Year-round messaging / news releases
 - Post-earthquake shared messaging



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Updated Materials in 15 Languages

The collage features several informational graphics:

- If You Feel Shaking or Get an Alert:** A grid of icons showing actions for different mobility aids: Using Cane (DROPI! COVER! HOLD ON!), Using Walker (DROPI! COVER! HOLD ON!), Using Wheelchair (LOC), and Si Usa Andadera (DROPI! COVER! HOLD ON!). It also includes Spanish instructions: Si Es Posible (DROPI! COVER! HOLD ON!), Si Usa Bastón (LOC), Si Usa Andadera (DROPI! COVER! HOLD ON!), and Si Usa Silla de Ruedas (LOC).
- Seven Steps to Earthquake Safety:** A vertical flowchart with icons for Prepare, Survive, and Recover.
- Key Earthquake Safety Accessibility Tips:** A graphic titled 'ShakeOut During COVID-19' with a 'ShakeOut Online!' icon.
- Recommended Earthquake Safety Actions:** A graphic titled 'The Great California ShakeOut' with a 'ShakeOut' icon.
- ShakeOut During COVID-19:** A central graphic with a smartphone icon and the text 'ShakeOut Online!'.

EarthquakeCountry.org/languages

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Co-Chairs, ECA SoCal Coordinating Committee

Margaret Vinci
Caltech

Heidi Rosofsky
Global Vision Consortium

Alan Hanson
Simpson Strong-Tie, retired

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ECA SoCal Coordinating Committee

| | |
|--------------------------------------|---|
| Coordinating Committee Chairs: | Heidi Rosofsky (Global Vision) Margaret Vinci (Caltech) Alan Hanson (Simpson Strong-Tie) |
| Communications Coordinator: | Jeffrey Snoddy (City of Torrance) |
| Regional Workshops Coordinator: | Open position |
| Membership Coordinator: | Open position |
| Media Bureau Coordinators: | Marilyn Jimenez (LA Red Cross) Jessica Kellogg (City of LA EMD) |
| Participation Bureau Coordinator: | Pei-Lun Lee (Orange County Emergency Management) |
| Events Bureau Coordinators: | John Hammett & Lance Webster (Volunteers) |
| ShakeOut/Tsunami Events Coordinator: | Open position |
| Sector-Based Committee Coordinator: | Pauline Louie (US Housing and Urban Development) |
| SCEC Regional Liaison for ECA SoCal: | Gabriela Noriega (USC/SCEC) socal@earthquakecountry.org |

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ECA SoCal 2022 Calendar

| | |
|--------------------|---|
| March 4-6 | Abilities Expo, LA Convention Center Volunteer with us! info@earthquakecountry.org |
| March 21-25 | California Tsunami Preparedness Week Register your events @ TsunamiZone.org/california |
| May 2-5 | California Emergency Services Association (San Diego) cesa.net/event/2022conference |
| May 11 | ECA SoCal Spring 2022 Workshop Presentations from our 2022 Mini Award Recipients |
| August 10 | ECA SoCal Summer 2022 Workshop |
| October 20 | Great California ShakeOut Register now at ShakeOut.org/california |
| November 9 | ECA SoCal Fall 2022 Workshop |

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Today's Agenda

Welcome and ECA SoCal Introduction

Community Outreach Strategies of the CVDPN

Carla Sullivan-Dilley (President, Coachella Valley Disaster Preparedness Network)

Quakes Break: Southern California Seismic Activity since last workshop

Margaret Vinci (Manager, Office of Earthquake Programs, Caltech Seismological Laboratory)

California's Tsunami Hazard – Tonga Volcanic Eruption Impacts

Yvette LaDuke (California Office of Emergency Services)

Mitigation Moment: Cal OES Hazard Mitigation Assistance

Anthony Roggio (California Office of Emergency Services)

Facilitated Discussion


Open Discussion and Networking (Optional; 11:30am - 12:00pm)

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Community Outreach Strategies of the CVDPN

Carla Sullivan-Dilley
President, Coachella Valley
Disaster Preparedness Network

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CVDPN
COACHELLA VALLEY
DISASTER PREPAREDNESS NETWORK



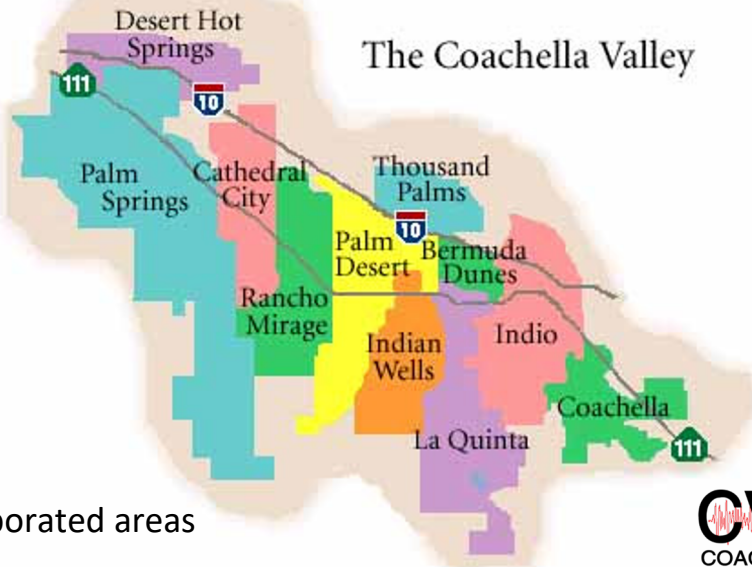
Community Outreach Strategies of the CVDPN
ECA SoCal Winter 2022 Workshop

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Welcome to the Coachella Valley!

Service Area

- Cathedral City
- City of Coachella
- Desert Hot Springs
- Indian Wells
- Indio
- La Quinta
- Palm Desert
- Palm Springs
- Rancho Mirage
- And other unincorporated areas



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Why ? #1 Threat - Earthquakes

High probability

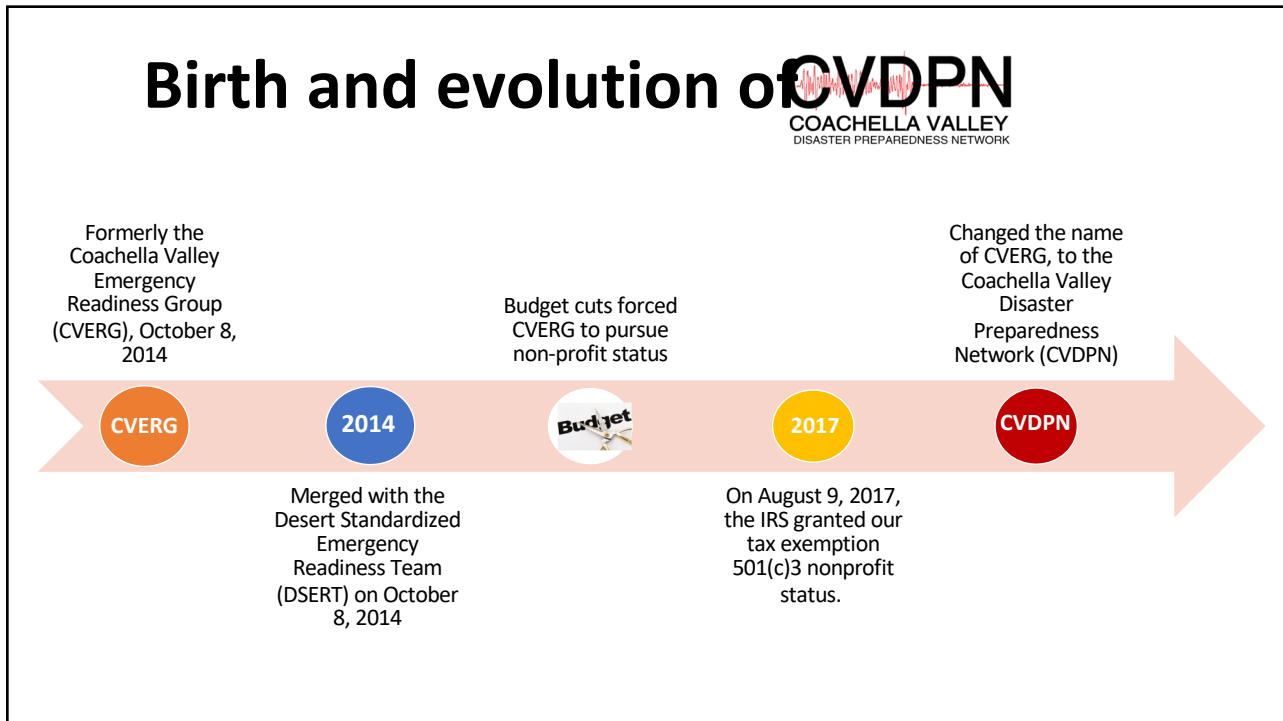
- It has happened before
 - San Jacinto (Coyote Creek Segment)
6.5 to 7.5 RSM (1968)
 - San Andreas (Coachella Segment)
7.5 to 8.5 RSM (1857)
 - Elsinore (Northern San Diego Segment)
6.5 to 7.5 RSM (1910)

High Consequence


- I-10 Corridor
- Delayed emergency response
- Limited access to resources




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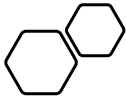




- **The Mission of CVDPN** is to prepare citizens of the Coachella Valley for catastrophic events by providing training, education, and networking opportunities.
- **CVDPN envisions all communities in the Coachella Valley** becoming cohesive, self-sufficient entities that are prepared to meet the challenges of major disasters, both natural and human-caused.

* Note: We are educators, and not first responders

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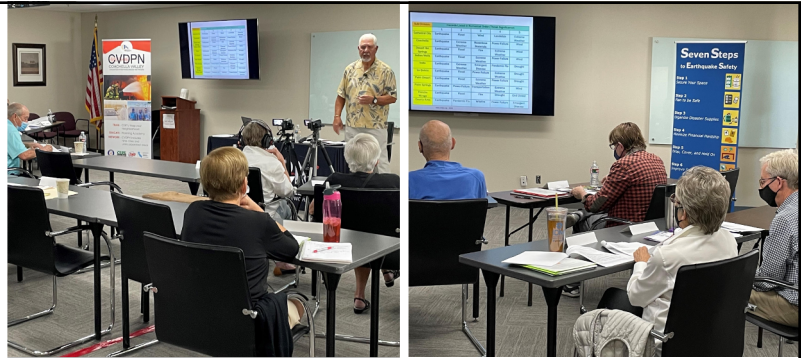


CVDPN
COACHELLA VALLEY
DISASTER PREPAREDNESS NETWORK

**Outreach - Education -
Collaboration**

Activities engaged in
specifically, but not limited to,
during the COVID-19
pandemic

The pandemic did not stop



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**Fire Services Training Institute (FTI)
Grant**

- 11 Communities have successfully applied and participated
- Bringing approximately \$180,000 of equipment into the Coachella Valley
- On February 14, 2022, Sun City Palm Desert trailer arrived with over \$101,102 in grant items received



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To learn more about Listos, visit their website at: <https://www.listoscalifornia.org/>

CVDPN was awarded 3 grants from Listos, and educated **28,000** individuals in the Coachella Valley from Jan. 1, 2020, through April 30, 2021




Looking forward to the June 2022 Listos grant!

CVDPN
COACHELLA VALLEY
DISASTER PREPAREDNESS NETWORK

Community Outreach and Continuing Education

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In 2021, CVDPN educated and distributed over **5,000** Rocket Rules to people with disabilities, tribal communities and other underserved populations in the Coachella Valley and Blythe!

Since then, CVDPN is working with the Desert Recreation District to share Rocket's Preparedness messages.





To learn more, please visit: <https://rocketrules.org/>

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Thanks to Southern California Edison

CVDPN Announces The Return of the: Disaster Planning Academy for HOA Communities

- CVDPN provides "on-site" assistance and "customized presentations" for individual HOA communities.
- This service is provided by Tony Ferrara, our CVDPN Contractor.
- While CVDPN provides this service free of charge, we do ask for a donation to offset costs.
- Please contact Carla at carlacvdpn@gmail.com for more information.



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Planning Academy Spotlight

Since the Planning Academy's have been so popular, we are now working with Riverside Office on Aging and providing training for 25 more HOAs in February.

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Partnership is Key!



Earthquake Country Alliance
We're all in this together.

Webinars and other educational forums with Earthquake Country Alliance (ECA)

WEBINAR:
EFFECTIVE COMMUNICATION BEFORE, DURING, AND AFTER AN EARTHQUAKE OR OTHER EMERGENCY



www.EarthquakeCountry.org

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CERT TRAINING IS COMING TO CATHEDRAL CITY!

This is a 20-hour classroom and practical exercise course designed to educate and train community volunteer responders!

Next Class Sponsored By: Cathedral City Fire Department

Class Schedule:

- Thursday, March 17, 6PM to 9PM
- Friday, March 18, 6PM to 9PM
- Wednesday, March 23, 6PM to 9PM
- Thursday, March 24, 6PM to 9PM
- Saturday, March 26, 8AM to 4PM

This class is offered "free of charge" for Cathedral City residents. **Non-resident fee is \$50 per person.**

SEATING IS LIMITED SO DON'T DELAY!

Please visit our website at: <https://www.cvdpn.org/events> for more information on how to register for this training.



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On-line "Hybrid" CERT Course

- This is an "On-line" basic CERT course offered by Cal OES (Governor's Office of Emergency Services).
- This is computerized classroom instruction only. An abbreviated "hands-on" practical application course will be offered at the completion of this class.

Please visit our website at <https://www.cvdpn.org/resource-library> for more information.



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Video Library: Disaster Response Skills Series

- Light Rescue / Victim Extraction / Cribbing Techniques.
 - Injured Victim Carry / Transport Techniques
 - How to do "Hands Only" CPR
 - Proper use of handheld general-purpose fire extinguisher
- Please visit this link on our website to view the videos:

<https://www.cvdpn.org/resource-library>



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YOU can make a difference!

- *Easy to follow interactive course developed by the American College of Surgeons!*
- *Bleeding emergencies from accidents or disasters can happen at any time. Become a Stop the Bleed Responder and save lives!*
- *Take the Stop the Bleed Interactive On-line Course, please visit our online resource library at:*
<https://www.cvdpn.org/resource-library>
for the link to this training and other information.



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Grant Sponsors



Thank you for supporting **CVDPN !**
 COACHELLA VALLEY
 DISASTER PREPAREDNESS NETWORK

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Officers:

- Carla Sullivan-Dilley , President
- Sharon Huddleston, Vice President
- Teresa Nall, Treasurer
- Nila Hagood, Secretary

Board Members at Large:

- Michael Brown
- Tom Niehaus
- Marcia Stein
- Ana Velasquez
- Tamica Fouts-Rachal
- Kristine Beckman-Hennigan

Advisors to the Board:

- Tony Ferrara (Webmaster)
- Mary Lou Suter
- Larry Jones (FEMA/CERT/ARC)
- Dr. Kirk Dandridge (Medical)
- Edward Thomas, Esq.

Constant Contact Administrator:

- Ron Nall

Volunteer Coordinator

- Jane Treacy

Thank you to our Board Members for their service!

- **CVDPN** COACHELLA VALLEY DISASTER PREPAREDNESS NETWORK is an all-volunteer board with no paid staff
- Board members volunteered 4885 hours in 2021.

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ARE YOU READY TO HELP OTHERS

*Be better prepared for major disasters
CVDPN is seeking additional Board and
Committee Members*



*If you have a strong interest and background in
disaster preparedness, please:*

1. Visit our website at:
<https://www.cvdpn.org/board-of-directors>
to download an application, and
2. Email it to carlacvdpn@gmail.com

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Contact Us



Follow CVDPN on Facebook
www.facebook.com/CVDPN.org



Call us for more information
at (951)218-0188



For any inquiries, contact
Carla Sullivan-Dilley
carlacvdpn@gmail.com



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Q&A

Please ask questions in the chat tool.

The recording of today's webinar will be available next week at:

[EarthquakeCountry.org/socal](https://www.earthquakecountry.org/socal)

To be notified of future events and recordings, join ECA (free!):

[EarthquakeCountry.org/join](https://www.earthquakecountry.org/join)

Please take our survey:

[SurveyMonkey.com/r/YWMJWKJ](https://www.surveymonkey.com/r/YWMJWKJ)

Questions?

info@earthquakecountry.org

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Quakes Break: SoCal Seismic Activity since last ECA Workshop

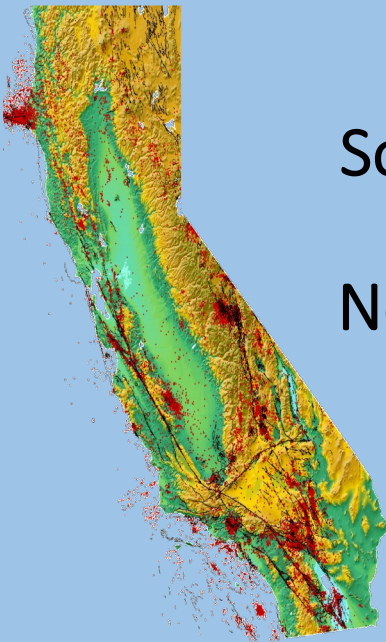
Margaret Vinci

Manager, Office of Earthquake Programs,
Caltech Seismological Laboratory

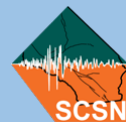
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Quakes Break

Southern California Seismic Activity November – February 2022



Margaret Vinci
Caltech Seismological Laboratory
Office of Earthquake Programs



Caltech

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Southern California experiences an earthquake every 3 minutes



4,242 earthquakes this quarter (185 were quarry blasts)

- 270 M2.0+ 1 – M4.0+
- 30 M3.0+ 0 – M5.0+

Events M3.5 and higher: A refreshingly quiet quarter

- 11/19/21 - M3.9 Estacion, Mexico
- 12/08/21 – M3.6 near Lytle Creek
- 12/08/21 – M3.5 near Carpinteria (thrust event offshore)
- 12/13/21 - M3.9 near Estacion, Mexico
- 01/02/22 – M3.9 near Buttonwillow
- 01/07/22 – M3.6 near Fillmore
- 01/12/22 – M3.9 near Anza
- 01/27/22 - M3.5 near Grapevine
- 01/30/22 – M4.0 near Palomar Observatory
- 02/06/22 – M3.6 near Trabuco Canyon
- 02/10/22 – M3.9 near Santa Paula



<https://www.scsn.org>

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Activity



Palomar Earthquake M4.0 1/30/22

Activity was normal with largest events being minor scattered across the reporting region.

Events occurred in the Ridgecrest aftershock zone, San Jacinto Fault zone (Lytle Creek), Elsinore Fault Zone and offshore Carpinteria (Ventura County).

The SCSN has so far seen 68,800 aftershocks since July 2019 from the Ridgecrest sequence

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Earthquake Resources After an Earthquake

So Cal Seismic Network:

www.scsn.org

So California Earthquake Data Center: <https://scedc.caltech.edu>

Did You Feel It:

earthquake.usgs.gov/data/dyfi/

ShakeAlert Apps:

MyShake, QuakeAlertUSA, Sdemergency,
Google Android and WEA

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Q&A

Please ask questions in the chat tool.

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EarthquakeCountry.org/social

To be notified of future events and recordings, join ECA (free!):

EarthquakeCountry.org/join

Please take our survey:

[SurveyMonkey.com/r/YWMJWKJ](https://www.surveymonkey.com/r/YWMJWKJ)

Questions?

info@earthquakecountry.org

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California's Tsunami Program Tsunami Preparedness

Yvette LaDuke

Earthquake, Tsunami, and Volcano Programs Manager
California Office of Emergency Services

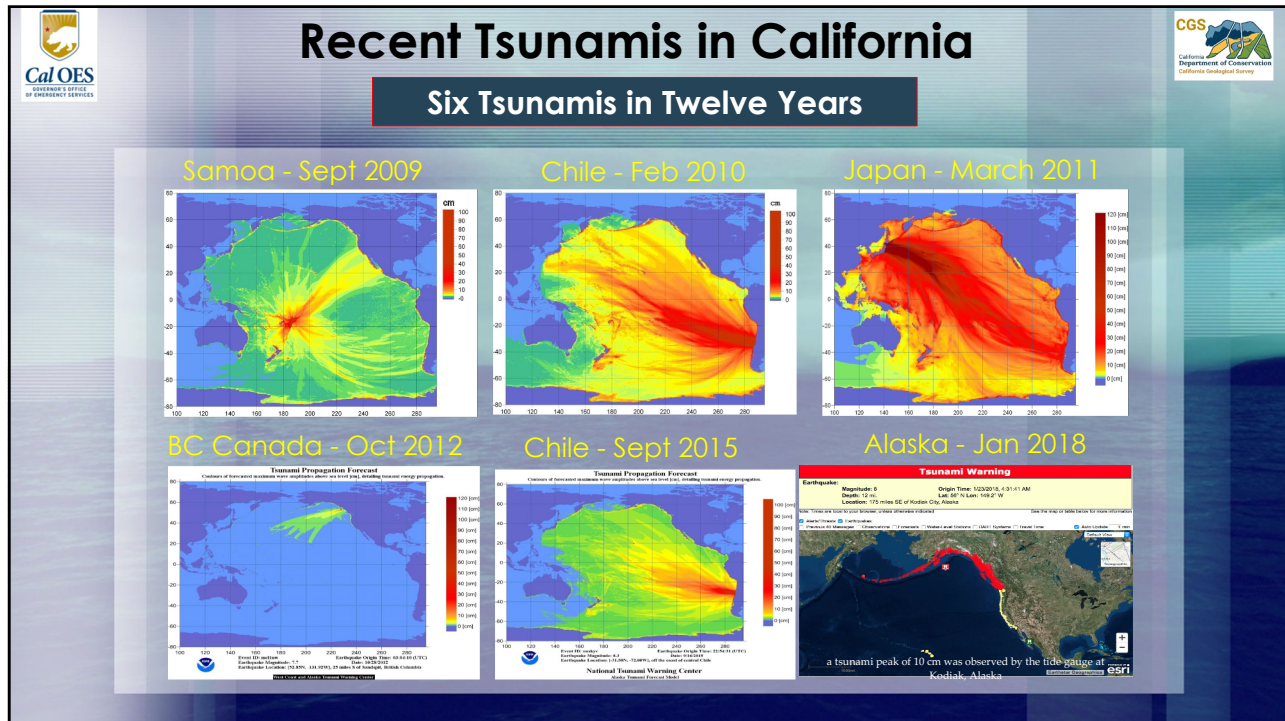
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**California Tsunami Program
Tsunami Preparedness**

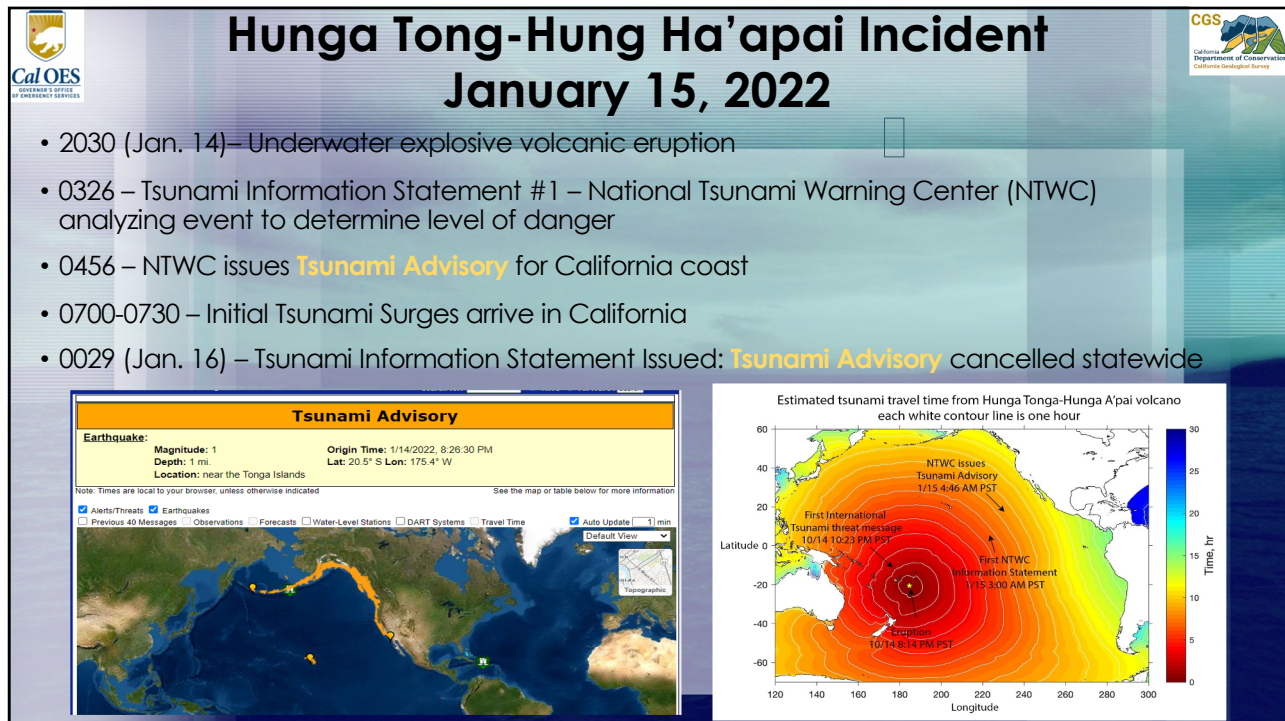
Yvette LaDuke, Governor's Office of Emergency Services

February 23, 2022

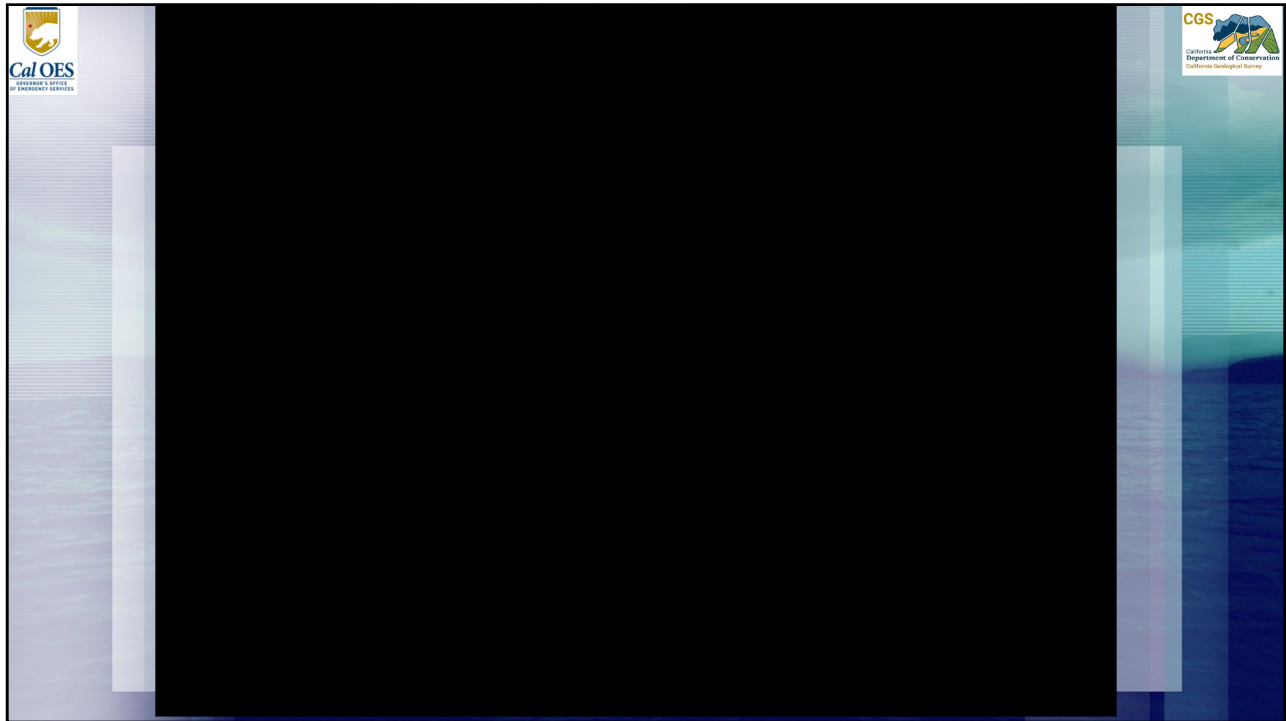
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Hunga Tong-Hung Ha'apai Incident - Photos



A tsunami hit Tonga's largest island, Tongatapu.



Tsunami Advisory Issued Across the Bay Area
sfstandard.com


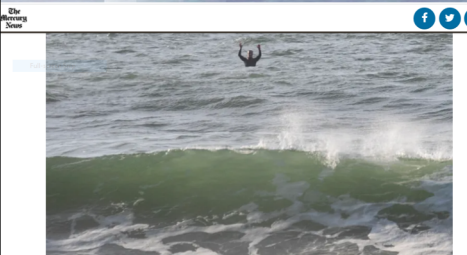
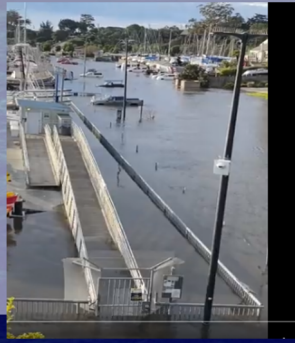



Photo Courtesy of: Victor Guzman
KION



SAN FRANCISCO, CALIFORNIA - JANUARY 15: A surfer in distress caught outside the breakers gestures for help from the San Francisco Fire Department at Ocean Beach, Saturday, Jan. 15, 2022. Waves were large during the tsunami advisory caused by the Tonga volcano eruption. (San Mendocino Bay Area News Group)

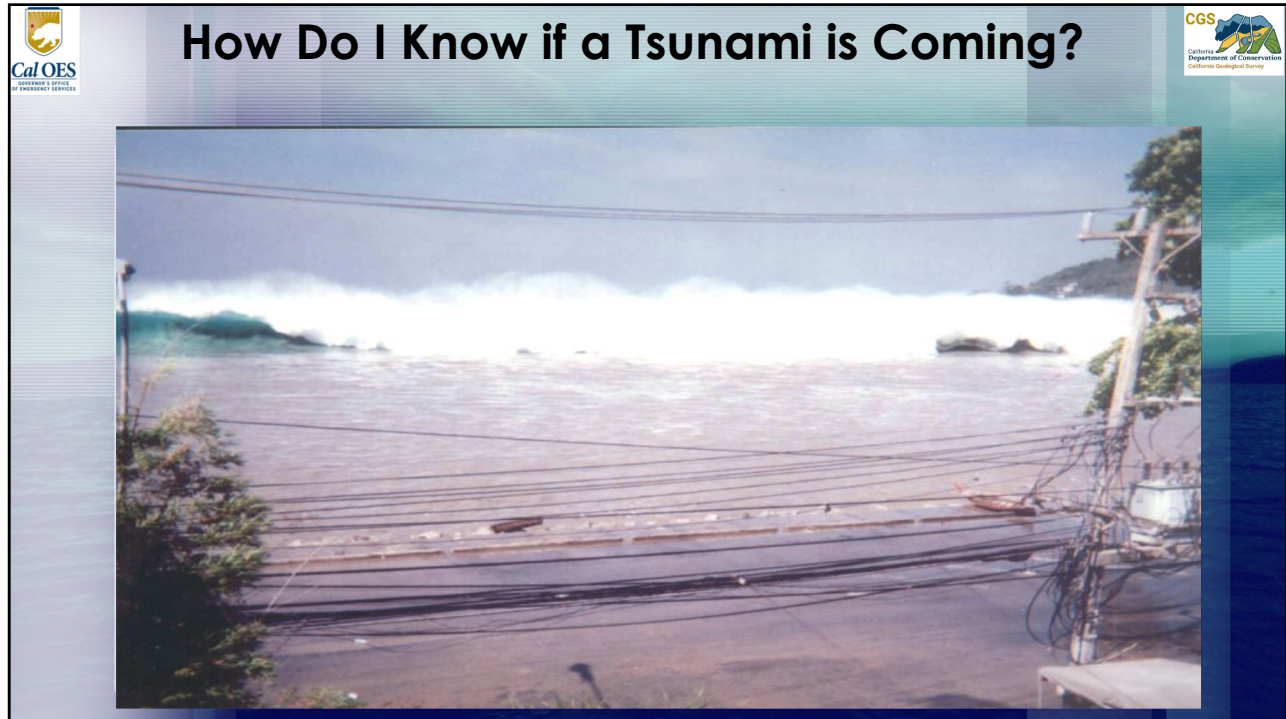


Photos: Aftermath of tsunami in Bay Area, West...



A pickup truck is partially submerged in Santa Cruz Saturday morning as the surge from a tsunami created by an underwater volcano near Tonga inundated a parking lot at the Upper Harbor. Moments later, all the water receded from the lot before flooding it again shortly thereafter. (Shroul Thaler/Santa Cruz Sentinel)

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Local Tsunami Threat

Natural Warning Signs

- **Feel** – Strong Earth Shaking
- **See** – Water Receding Exposing Sea Floor
- **Hear** – Loud Ocean Roar



If one or more Natural Warning Sign Occurs – Go Immediately to High Ground or Inland and Stay There

You May Only Have **Minutes** before a Tsunami Arrives.

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Earthquakes Near the Ocean

DROP! COVER! HOLD ON!
Protect Yourself During Earthquakes

GO TO HIGH GROUND OR INLAND!
The Shaking is Your Tsunami Warning

STAY THERE!
Tsunami Waves May Arrive for Hours

Logos: Cal OES (Governor's Office of Emergency Services), CGS (California Department of Conservation, California Geological Survey)

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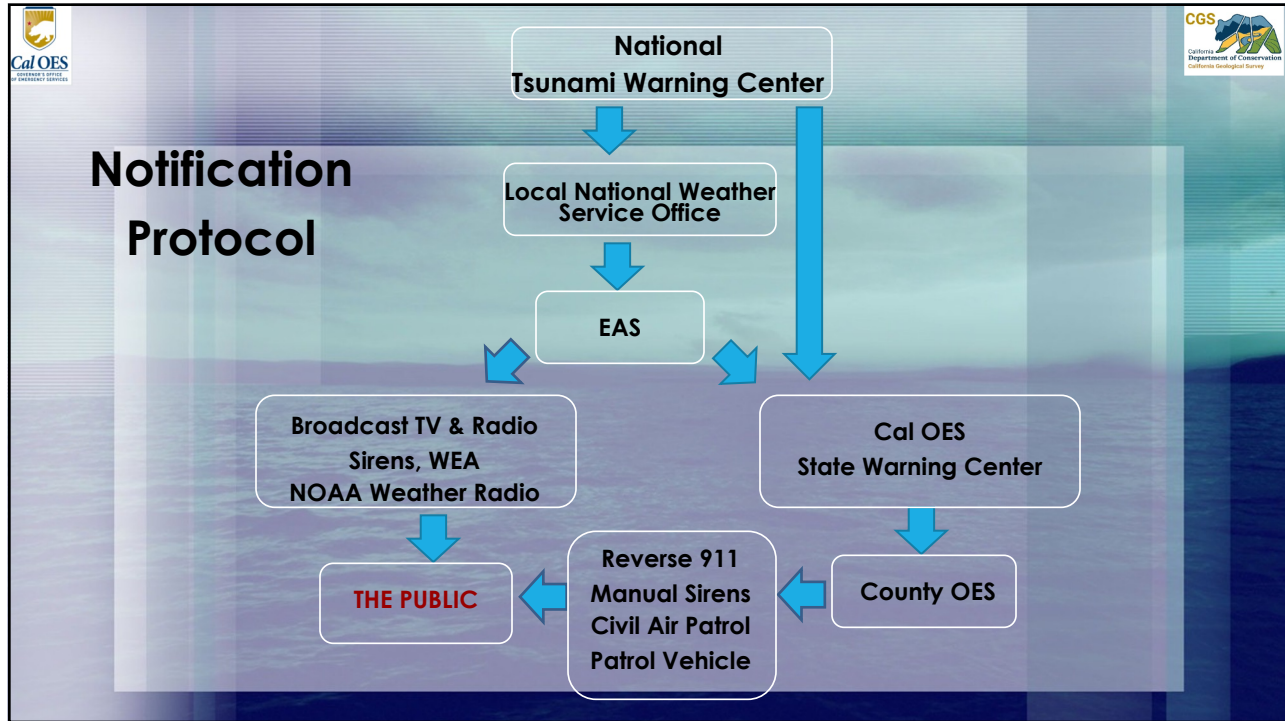
Tsunami Alert Levels

| Alert level | Action | Hazard | Wave Height |
|------------------------------|--|--|-----------------------------|
| WARNING | Get to high ground or inland IMMEDIATELY! Follow evacuation signage | DANGER! A TSUNAMI IS IMMINENT. Flooding & dangerous currents | 3+ feet or 1+ meter |
| ADVISORY | Stay out of the water and away from the shore | STRONG CURRENTS & DANGEROUS WAVES! In or near coastal waters | 1 - 3 feet or 0.3 - 1 meter |
| WATCH | Prepare to take action. Monitor local TV, radio, social media, NOAA weather radio | A TSUNAMI IS POSSIBLE. Arrival time is several hours away. Prepare now. Alert level may change. | Prepare |
| INFORMATION STATEMENT | NO action needed | NO tsunami impact expected. | Relax |

THREAT MESSAGE: Issued for International Partners: NOT for U.S. Coasts

Logos: Cal OES, CGS, NOAA, Department of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, National Tsunami Warning Center

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What Should I Do?

- Be Informed
- Be Prepared
- Get Involved

The slide features two photographs. The top photo shows a man and a woman looking at a map on a table outdoors near a body of water with boats. The bottom photo shows a blue tent at an outdoor event with a sign that says 'Join Us' and 'Cal OES'.

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Are You in the Tsunami Zone?

Cal OES MyHazards
 Helping reduce your risks from natural hazards
 Home | Earthquake Risk | Flood Risk | Fire Risk | Tsunami Risk | All Risks
 High Risk | Moderate Risk

How does MyHazards work?
 MyHazards is a tool for the general public to discover hazards in their area (earthquake, flood, fire, and tsunami) and learn steps to reduce personal risk. Using the MyHazards tool, users may enter an address, city, zip code, or may select a location from a map. The map targets the location, and allows users to zoom and scroll to their desired view. The screen then presents information on the risks identified within the search radius, and recommended actions. MyHazards website performs best when using Internet Explorer. Hazard Data is approximate and data layer visibility are subject to the extent of the Map.

What Natural Hazards Impact Your Neighborhood?
 Use this website to discover the hazards that exist in your area and learn how to reduce YOUR risk! Remember, the best way to recover from disasters is by reducing the risks before a disaster strikes.

MyHazards.ca.gov

Tsunami.ca.gov
 Home | TsunamiZone Regions | Other Languages | Contact Us | Search | Login
 Register Here | Know Your Zone | Who is Participating? | How to Participate? | Resources | News & Events | Partners & Sponsors

Announcing Updated and New Tsunami Products
 MARCH 2021
New Tsunami Maps for California
 In March we released a total of seven new tsunami maps covering the counties of Los Angeles, Monterey, San Mateo, Alameda, Mendocino, Humboldt, and Del Norte. We have maps for other counties, too (they're just not updated yet).

MARCH 11, 2021
California Tsunami Preparedness Guide
 Appropriate for all ages, our updated multimedia guide is packed with videos, images, and maps.

MARCH 11, 2021
The 2011 Tōhoku-oki Earthquake and Tsunami
 A scientific perspective of the event, including details of what happened in Japan and subsequently in California.

TsunamiZone.org

WELCOME TO THE TSUNAMIZONE IN CALIFORNIA!
 You can register to participate in California's Tsunami Preparedness Week, March 21-25, in 2022! Learn how to participate too, from attending a virtual lecture to downloading and viewing tsunami hazard maps near you and even participating in a social media conversation about tsunamis - it's up to you. Don't forget to update your participation here! Remember, we're all in this together.

1,527 California participants and counting!
 Click the map for details about each area

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Tsunami Hazard Signs

Cal OES

CGS
 California Department of Conservation
 California Geological Survey

TSUNAMI EVACUATION ROUTE
 (Blue sign with white arrow pointing up)

ONLY ONLY
 (Black and white directional sign)


LEAVING HAZARD ZONE
 (Blue sign with white wave icon)

ENTERING TSUNAMI HAZARD ZONE
 (Blue sign with white wave icon)


TSUNAMI HAZARD ZONE
 IN CASE OF EARTHQUAKE GO TO HIGH GROUND OR INLAND
 (Blue sign with white wave icon and person running)

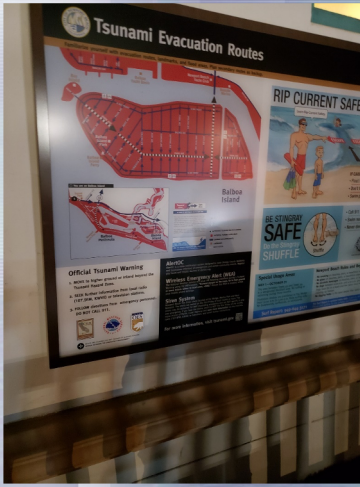
EVACUATION SITE
 (Blue sign with white wave icon and people walking)

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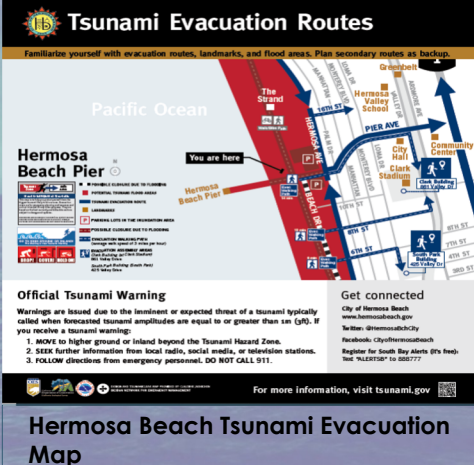


Tsunami Evacuation Information






Balboa Island Tsunami Kiosk




Hermosa Beach Tsunami Evacuation Map





Newport Beach Tsunami Kiosk

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Be Prepared



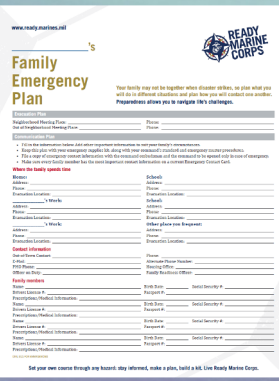



Evacuation Kit List

- Water
- Snacks
- Flashlight
- Portable Radio
- Emergency Blanket
- Cash
- ID Copy
- Insurance Info.
- Emergency Contacts
- Prescription Meds
- Contacts / glasses
- First Aid Kit
- Charging Cables
- Battery Pack
- Shirt
- Pants
- Underwear
- Socks
- Shoes
- Jacket
- Toothpaste
- Toothbrush
- Soap
- Pens
- Chalk
- Toilet Tissue
- Facial Tissue
- Pet Supplies
- Games / Toys
- Diapers / Formula
- Personal Items:

Are You in The Zone?

TsunamiZone.org





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Get Involved Practice – Do a Drill







View Other TsunamiZone Videos and Resources


Move Inland or to higher ground

Follow Evacuation Route Signs


Listen to instructions from local officials

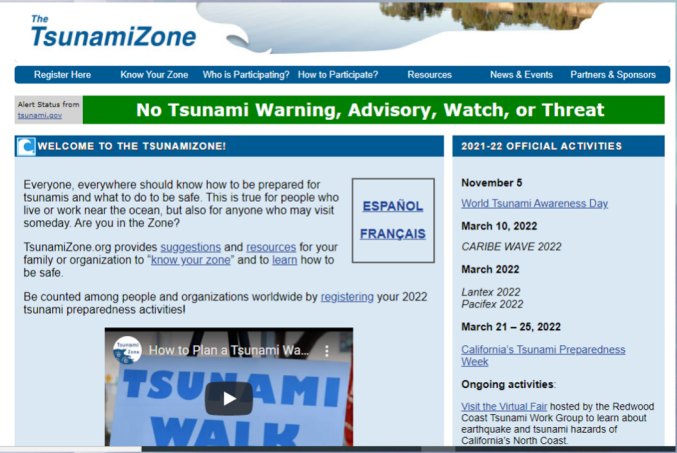
Be prepared to stay where you are for hours – possibly 2 days

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Tsunami Preparedness Week March 21-25, 2022





Register Tsunami Preparedness Week Activities at TsunamiZone.org

CHECK THE STATS

As more people and organizations register, these totals will grow larger. Please encourage others to register tsunami preparedness activities!

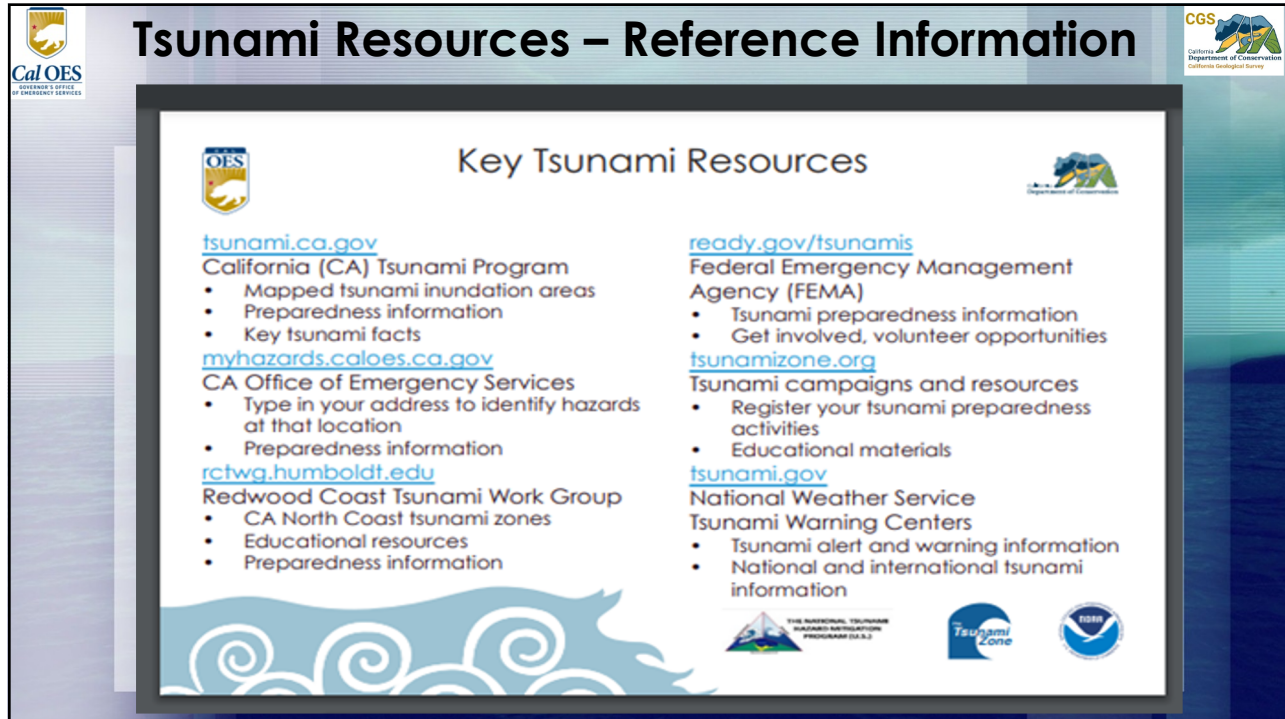
| | |
|-------------------------------|---------------------|
| <u>Global Total for 2022:</u> | Over 14,000 |
| <u>Global Total for 2021:</u> | Over 550,000 |

Are You in the Zone?

#TsunamiPrep

Find Out: TsunamiZone.org

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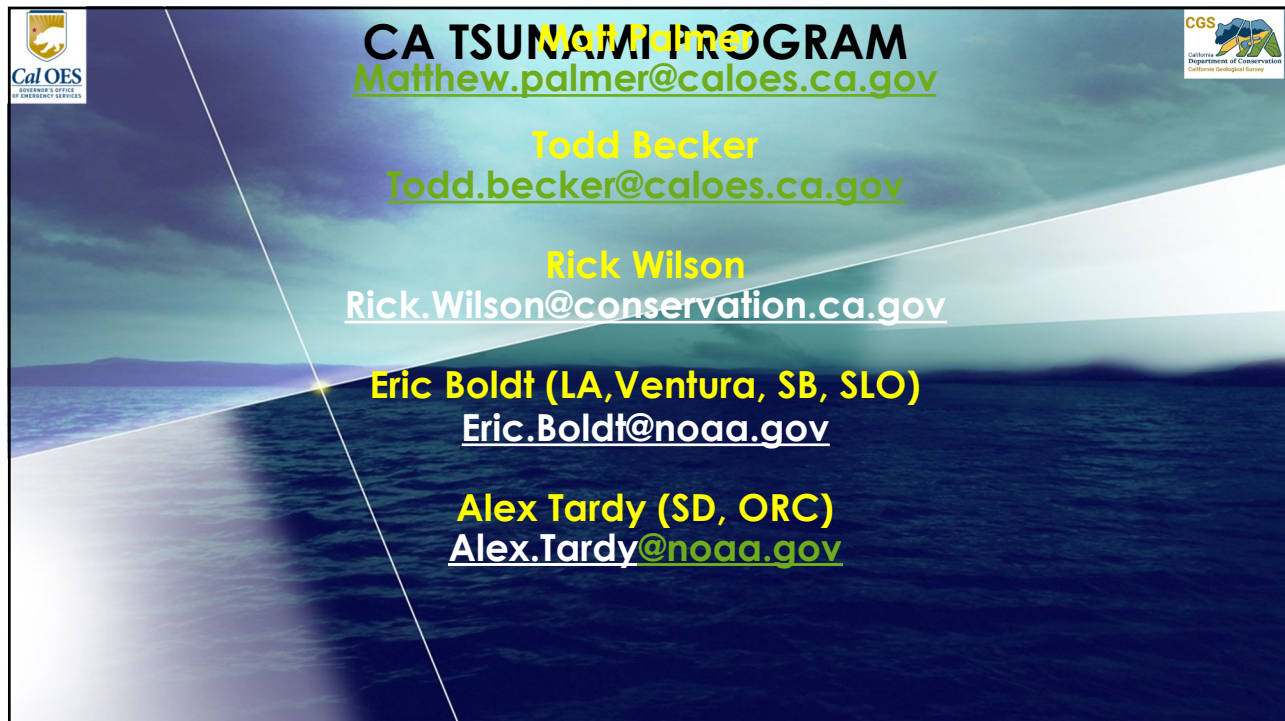
Tsunami Resources – Reference Information

Key Tsunami Resources

- tsunami.ca.gov
California (CA) Tsunami Program
 - Mapped tsunami inundation areas
 - Preparedness information
 - Key tsunami facts
- myhazards.caloes.ca.gov
CA Office of Emergency Services
 - Type in your address to identify hazards at that location
 - Preparedness information
- rctwg.humboldt.edu
Redwood Coast Tsunami Work Group
 - CA North Coast tsunami zones
 - Educational resources
 - Preparedness information
- ready.gov/tsunamis
Federal Emergency Management Agency (FEMA)
 - Tsunami preparedness information
 - Get involved, volunteer opportunities
- tsunamizone.org
Tsunami campaigns and resources
 - Register your tsunami preparedness activities
 - Educational materials
- tsunami.gov
National Weather Service
Tsunami Warning Centers
 - Tsunami alert and warning information
 - National and international tsunami information

Logos: Cal OES, CGS, The National Tsunami Hazard Mitigation Program (NTHMP), Tsunami Zone, NOAA.

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CA TSUNAMI PROGRAM

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Logos: Cal OES, CGS.

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Q&A

Please ask questions in the chat tool.

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To be notified of future events and recordings, join ECA (free!):
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Please take our survey:

SurveyMonkey.com/r/YWMJWKJ

Questions?

info@earthquakecountry.org

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Mitigation Moment: **Cal OES Hazard Mitigation Assistance**

Anthony Roggio

Southern Region Lead Hazard Mitigation Specialist
California Office of Emergency Services

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Hazard Mitigation Assistance

Anthony D. Roggio
Lead Hazard Mitigation Specialist

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Who are we?

Cal OES is responsible for overseeing and coordinating emergency preparedness, response, recovery, and homeland security activities within the State of California



Hazard Mitigation Assistance Branch

Our Goal: Promote long-term resiliency through implementation of mitigation measures that reduce the loss to life and property from future disasters



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What is hazard mitigation?

Any sustained action taken to reduce or eliminate long-term risk to life and property from **natural hazard events**

This is an on-going process that occurs before, during, and after disasters and serves to break the cycle of damage in hazard-prone areas

MITIGATE HAZARDS

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What do we do?

- Manage and administer Federal grant funding available through the following programs:

Specific to Presidentially-declared disasters and competitive statewide

Annually appropriated by Congress and competitive nationwide

FEMA

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Who can we help?

| Entity | HMGP HAZARD MITIGATION GRANT PROGRAM | BRIC Building Resilient Infrastructure & Communities | FMA FLOOD MITIGATION ASSISTANCE |
|---|---|---|------------------------------------|
| State/Territorial Agencies | ✓ | ✓ | ✓ |
| Indian Tribal Governments | ✓ | ✓ | ✓ |
| Local Governments/Communities | ✓ | ✓ | ✓ |
| Private non-profit Organizations (PNPs) | ✓ | ✗ | ✗ |



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How can we help?

| Eligible Activities | HMGP | BRIC | FMA |
|--|------|------|-----|
| Property Acquisition and Structure Demolition | ✓ | ✓ | ✓ |
| Property Acquisition and Structure Relocation | ✓ | ✓ | ✓ |
| Structure Elevation | ✓ | ✓ | ✓ |
| Mitigation Reconstruction | ✓ | ✓ | ✓ |
| Dry Flood proofing of Historic Residential Structures | ✓ | ✓ | ✓ |
| Dry Flood proofing of Non-Residential Structures | ✓ | ✓ | ✓ |
| Generators | ✓ | ✓ | ✗ |
| Localized Flood Risk Reduction Projects | ✓ | ✓ | ✓ |
| Non-Localized Flood Risk Reduction Projects | ✓ | ✓ | ✗ |
| Structural Retrofitting of Existing buildings | ✓ | ✓ | ✓ |
| Non-Structural Retrofitting of Existing Buildings and Facilities | ✓ | ✓ | ✓ |
| Safe Room Construction | ✓ | ✓ | ✗ |
| Wind Retrofit for One and Two Family Residences | ✓ | ✓ | ✗ |
| Infrastructure Retrofit | ✓ | ✓ | ✓ |
| Soil Stabilization | ✓ | ✓ | ✓ |
| Wildfire Mitigation | ✓ | ✓ | ✗ |
| Post Disaster Code Enforcement | ✓ | ✓ | ✗ |
| Advance Assistance for HMGP & Project Scoping for BRIC | ✓ | ✓ | ✗ |
| 5 % Initiative Projects | ✓ | ✗ | ✗ |
| Miscellaneous/Other | ✓ | ✓ | ✓ |
| Planning Related Activities | ✓ | ✓ | ✗ |
| Technical Assistance | ✗ | ✓ | ✗ |
| Management Cost | ✓ | ✓ | ✓ |



Cal OES has the authority to set specific priorities for each funding opportunity

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Building Resilient Infrastructure & Communities

Capability & Capacity Building (C&CB)

C&CB activities must result in a resource, strategy, or tangible mitigation product that will reduce or eliminate risk and damage from future natural hazards, increase resiliency, and promote a culture of preparedness

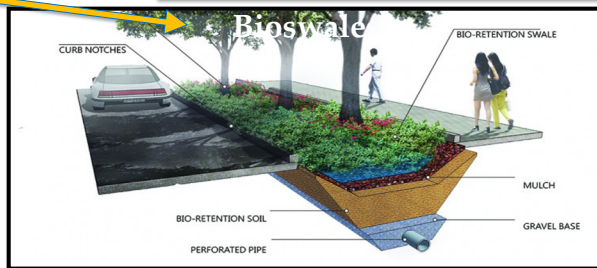
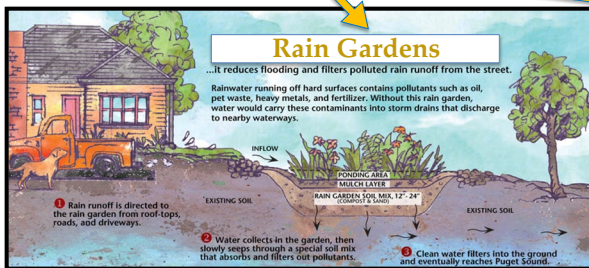
- **Implementation of Building Code Adoption and Enforcement:**
 - Evaluate adoption and/or implementation of codes that reduce risk
 - Enhance existing adopted codes to incorporate more current requirements or higher standards
 - Develop professional workforce capabilities through technical assistance and training
- **Building Strategic Partnerships:**
 - Enhance the knowledge, skills, and expertise of applicants and subapplicants in developing and managing partnerships to build whole community resilience
- **Project Scoping Activities:**
 - Scoping and developing hazard mitigation projects and alternatives, including engineering design and feasibility studies
 - Conducting outreach and coordination, evaluating at-risk facilities, collecting BCA and/or EHP data
- **Mitigation Planning and Planning-Related Activities:**
 - Mitigation planning activities funded by BRIC must result in a new FEMA approved hazard mitigation plan or contribute additional information to a FEMA-approved hazard mitigation plan



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Climate Resiliency & Adaptation

- Floodplain and stream restoration
- Aquifer storage and recovery
- Flood diversion and storage
- Sea Level Rise
- Green infrastructure



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Wildfire Mitigation

- Ignition-resistant construction
- Defensible space measures
- Hazardous fuels reduction
- Replanting/reforestation
- Drainage improvements
- Soil stabilization
- Erosion control



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- Cal OES receives an annual funding appropriation based on the total amount of all Fire Management Assistance Grants (FMAG) the State received in the Federal fiscal year
- Cal OES may elect to conduct outreach to solicit subapplications from jurisdictions impacted by wildfires
- This funding is focused on mitigation related to the post-fire environment



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Contact us:
HMA@CalOES.ca.gov

Visit our website:
www.CalOES.ca.gov/HMGP



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Q&A

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Questions? [**info@earthquakecountry.org**](mailto:info@earthquakecountry.org)

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Facilitated Discussion & Networking

- Any further questions related to today's presentations?
- What other ideas have been inspired by today's presentations?
- What topics should be included in 2022 ECA SoCal Workshops?

Please take our brief survey about today's workshop: [SurveyMonkey.com/r/YWMJWK](https://www.surveymonkey.com/r/YWMJWK)

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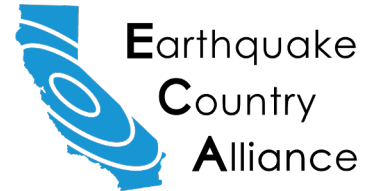
Short Announcements

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Connect with ECA SoCal

- EarthquakeCountry.org/socal
- socal@earthquakecountry.org
- Terremotos.org
- Twitter.com/eca
- info@earthquakecountry.org



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Open Discussion & Networking

Please take our brief survey about today's workshop: SurveyMonkey.com/r/YWMJWK

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