## Tsunami Preparedness Week - EXERCISES March 20-26, 2016

**Tsunami Warning Communications Test** (3 County OA's)

- Weds, 3/23/16 (11:00 PDT)
- NOAA Press Release (via

#### **Required Monthly Test (RI**

- Weds. 3/23/16 (10:15 P)
- NOAA Press Release (via



**Air Ops On-Board Audio Testing** 

### Playbook Communications Drill (20 County OA's)

- Weds. 3/23/16 (14:00 PDT)
- State to County Conference Call

#### **Local Exercises:**

- Scenario?
  - Tabletops, Informational, Functional
- PacifEX16 = Cascadia Rising NOAA-sponsored Exercise (NTWC)



# Tsunami Preparedness Week 2016 Activities

- Local preparedness efforts
- Community Outreach
- Local Brochures / Videos developed
- Progress toward TsunamiReady criteria (e.g. Signs, Warning Point, Planning, Outreach)
- Tsunami Work Group Meetings
- Exercises / Drills / Street Fair
- Media Events / Website / Social Media
- Workshops / Training / Courses (planned/needed)
- Planning updates (Response, Evacuation ConOps, Annex, LHMP)



### **FREE STUFF!**

## The March 11, 2011 Tohoku Tsunami

In Japan and California

#### ΤSUNAMI IN ΙΔΡΔΝ:

A magnitude 9.0 earthquake off of northeastern Honsbu Island caused a massive trunami that first errived on-shore within 20-30 minutes after the earthquake. The trunemi measured 30-feet high at the coast along the Sendal Plain with e-maximum run-up to an elevation of 130 feet at Aneyoshi Bay.

RECOVERY IN JAPAN:

After several years, communities

coestal setbacks, raised land, and

measures. Significant segments

of the impacted population have

moved to other regions and will

likely not return. Large portions

of the Fukushima Prefecture will

not be repopulated because of

the nuclear disaster.

have started to rebuild using

other engineered, protective



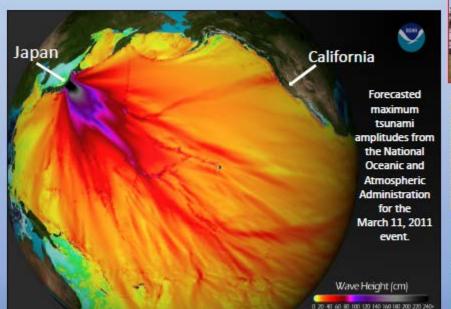
#### IMPACTS IN JAPAN:

people successfully evecuated, over 18,000 people were killed or remain missing in Japan because of the trunemi. The Fukushime Delichi Nuclear Fower Plant coffered a retestmobile multifosm causing long-term rediction problems. The World Bank estimates the earthquake and bunemi was the costliest natural disester in world history at \$2358.



#### fragically, eithough 200,000







#### TSUNAMI IN

CALIFORNIA: Yen hours efter the trunemi was generated in lapan, the trans-Padfic toursen! eached the California coast. The argest tsunami were heights were eight feet in Crescent City. Uthough only very localized onand flooding occurred, strong coastal currents in and around harbon and beys were significant.

#### IMPACTS IN CALIFORNIA: One

person was killed and 27 harbors sustained a total of \$100M in damages. In perticular, all docks in Crescent. Oty and Senta Cruz harbors were damaged or destroyed by strong taunemi surges lesting more than 24 hours. A major disester declaration uses brouged in this state has President Obems.



#### RECOVERY IN CALIFORNIA:

Sedimentation, environmental house, and damage inside several harbons delayed rebuilding efforts by several years, Larger piles and stronger dodo were required in harbors like Crescent City and Santa Cruz to make them more "tounami resilient" in future events.

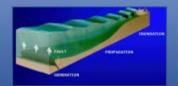
#### What is a Tsunami?







- \* Trunemis are long ocean waves which are caused by a displacement of the ocean surface, commonly initiated by large underwater.
- . Trunemis grow in size near shore because the water shallows.
- \* Trunem's form a series of waves which can be very large in the nearsource region (like in 2011 in Japan).
- . Dangerous conditions can include swift moving flooding, strong currents and large eddles, and viscous sediment-laden water. They cannot be



#### Preparing for a Tsunami

- \* First, review information about the trunemi risk to coestal areas you live,
- . Secome familiar with your local evecuation plan and practice evacuating to become femiliar with your execuation route
- + for local events, watch for "natural warning signs" like feeling a large earthqueix, hearing abnormal ocean roat, or seeing the water recede. and get to high ground immediately. Any one sign could be an indication of tsunami danger.
- . follow the instructions of the local emergency managers.

#### For More Information

www.tsunami.ca.gov www.tsunamizone.org

Register Here!

**Know Your Zone** 

Who is Participating?

How to Participate

Resources

News & Events

Partners & Sponsors

### WELCOME TO THE TSUNAMIZONE IN CALIFORNIA!

California's 2016 Tsunami Preparedness Week is March 20 - 26. Join us by **registering** your tsunami preparedness activities!

What will you do in your home, organization, or community this year? Participating is a great way for your family or organization to "know your zone" if you live, work, or visit near the ocean (or may visit), and to learn what to do to be safe.

Event organizers: If your activity is open to the public or a potential news venue, please complete our **Event Form**.

#### Media Contact:

Greg Renick, Information Officer California Governor's Office of Emergency Services Phone: (562) 795-2941 Over 71,000
California participants and counting!
Click the map for details about each area

#### **CALIFORNIA EVENTS**

A list of TsunamiZone events will appear below.

Coming Soon

Add an event to the California calendar.

## By registering tsunami preparedness activities, you or your organization will:

- Be counted as a TsunamiZone participant!
- Be listed with other participants in your area (Optional)
- Be an **example** that **motivates** others to participate & prepare
- Have peace of mind that you, your family, your co-workers and millions of others will be better prepared to survive and recover quickly when a tsunami occurs.