



# Cascadia Subduction Zone (CSZ)

## Pacific Northwest

### Catastrophic Earthquake and Tsunami Functional Exercise

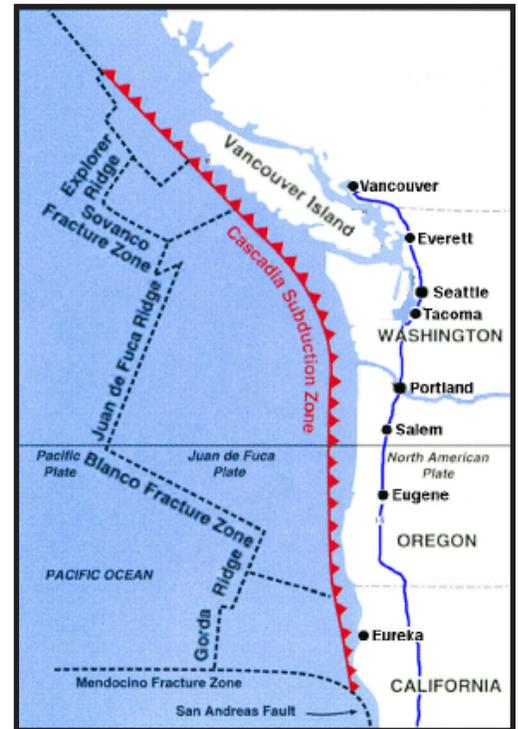
#### The Exercise Scenario

Science points to a large 8.0-9.0 magnitude Cascadia Subduction Zone (CSZ) earthquake ripping across the 800-mile CSZ fault line on average once every 200 to 500 years. The last major CSZ earthquake and tsunami occurred in 1700. Recent subduction zone fault earthquakes around the world underscore the similar challenges we will face when the next CSZ earthquake and tsunami occurs in our region:

- Indonesia (2004): M9.1; 228,000 deaths
- Chile (2010): M8.8; 500 deaths
- Northeast Japan (2011): M9.0; 18,000 deaths

#### Purpose: Improving Joint Operations

Conducting successful life-saving and life-sustaining response operations in the aftermath of a Cascadia Subduction Zone disaster will hinge on the effective *coordination* and *integration* of governments at all levels – cities, counties, state agencies, federal officials, the military, tribal nations – as well as non-government organizations and the private sector. One of the primary goals of the Cascadia Rising 2016 Exercise is to train and test this whole community approach to complex disaster operations together as a joint team.



#### Ramp-Up Exercise Events

Various seminars and workshops will be conducted as ramp-up events throughout the Pacific Northwest to bring together emergency management and response officials from all levels to share information on disaster plans, procedures, and processes in preparation for the culminating exercise.

#### The Culminating Exercise

The culminating event in the exercise series will be a 4-day Functional Exercise to occur **June 7-10, 2016**, in which Emergency Operations Centers (EOCs) at all levels of government and the private sector will activate to coordinate simulated field response operations both within their jurisdictions and also with neighboring communities, the states of Washington, Oregon, Idaho, FEMA, and major military commands.



# Cascadia Subduction Zone (CSZ)

## Pacific Northwest

### Catastrophic Earthquake and Tsunami Functional Exercise



#### Capabilities Tested

All 14 response core capabilities will be tested during the Cascadia Rising Exercise with special attention on the first 6 core capabilities highlighted in bold:

- Operational Communications** – **Public Health and Medical Services** – **Mass Care Services** – **Situational Assessment** – **Critical Transportation** – **Operational Coordination** – Public Information and Warning – Infrastructure Systems – Incident Action Planning – Public and Private Services and Resources – Mass Search and Rescue Operations – Fatality Management – Environment Response/Health and Safety – On-Scene Security and Protection.



#### Exercise Participants

Some 40 counties, plus major cities, tribal nations, state and federal agencies, private sector businesses, and non-governmental organizations across three states - Washington, Oregon, and Idaho - will be participating in the four-day Cascadia Rising 2016 Exercise. In addition, British Columbia and the government of Canada will be linking their earthquake readiness exercise to Cascadia Rising. Other key partners include major U.S. military commands including U.S. Northern Command and U.S. Transportation Command that will be conducting simulated strategic airlift and actual maritime disaster logistics exercises, along with National Guard field exercise play as part of Cascadia Rising.

#### Contact

To learn more about the Cascadia Rising 2016 Exercise, please contact your local Office of Emergency Management or the following representatives:

**Stephen Simerly** - FEMA Region 10  
stephen.simerly@fema.dhs.gov

**Ed Taylor** - Washington Emergency Management Division (EMD)  
ed.taylor@mil.wa.gov

**Bill Martin** - Oregon Emergency Management (OEM)  
bill.martin@state.or.us

**Brent Larson** - Idaho Bureau of Homeland Security (IBHS)  
brent.larson@bhs.idaho.gov



**FEMA**