





## Hawaii Hazards Awareness & Resilience Program

Produced by  
Hawaii State Civil Defense





### HAWAII HAZARDS AWARENESS & RESILIENCE PROGRAM:

**GOAL:** To enhance community resilience to multiple hazards through a facilitated education and outreach program that promotes hazard understanding and awareness, and offers tools and information resources to guide mitigation, preparedness, response and recovery.



"This is an Exercise"


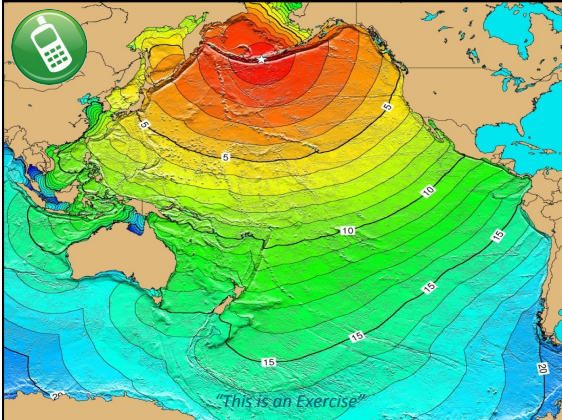
## TSUNAMI EXERCISE SCENARIO


### Scenario Background

- A magnitude 9.0 earthquake has occurred near Alaska's Shumagin Islands located at 55.0N 157.0W. A large tsunami with coastal amplitudes exceeding 3.0 meters was registered by at least two of the NOAA's deep water buoys.

"This is an Exercise"


"This is an Exercise"



### Scenario Background (Continued)

- Thirty minutes after the earthquake, the Pacific Tsunami Warning Center (PTWC) issued a TSUNAMI WATCH message for the State of Hawaii.
- Subsequent messages from PTWC provided estimated first wave arrival to the Hawaiian Islands 4 hours and 50 minutes after the earthquake occurred.

"This is an Exercise"




### Exercise Start

*"This is an Exercise"*

- At this point in time, it is now **1 hour and 40 minutes** since the earthquake occurred.
- The PTWC has just issued a **TSUNAMI WARNING** message.
- The first wave is scheduled to arrive in the Hawaiian Islands in **3 hours and 10 minutes**.


*"This is an Exercise"*

7



## DISCUSSION

8




### Scenario Update 1:

- It is now **30 minutes** to the first wave arrival.
- The civil defense sirens have ceased.


*"This is an Exercise"*

9



## DISCUSSION

10




### Scenario Update 2:

- Tsunami waves have begun to impact coastal areas in your community.
- A tsunami wave **three meters (10 feet) high** begins to flood low-lying areas, carrying debris inland.
- Primary access roads to this community are flooded with water and debris.
- A number of beachfront homes have been severely damaged by the tsunami, and portions of the buildings are being swept inland with the rising water.

*"This is an Exercise"*

11



## DISCUSSION

12

