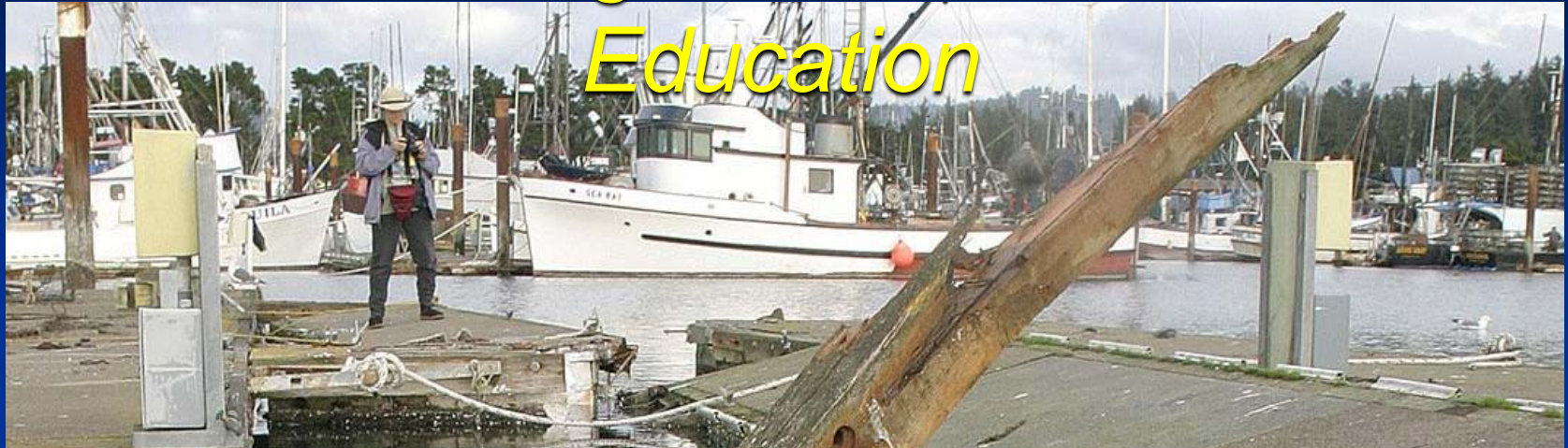


Lessons Learned from Crescent City Tsunami Mitigation and the Role of Education



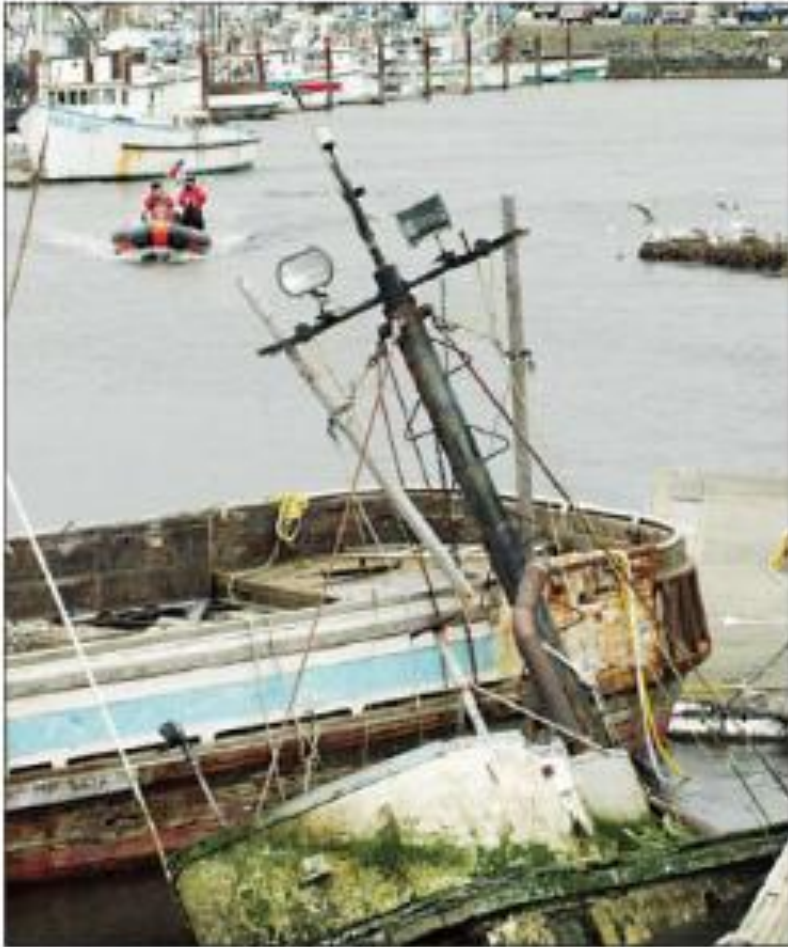
- Lessons from the 2006 tsunami
- Progress & challenges with earthquake & tsunami mitigation
- 2006 Tsunami Warning and Education Act
- The need to integrate earthquake and tsunami mitigation programs



Crescent City, California November 16, 2006

Lori Dengler, Humboldt State University
Congressional Hazards Caucus, October 11, 2007

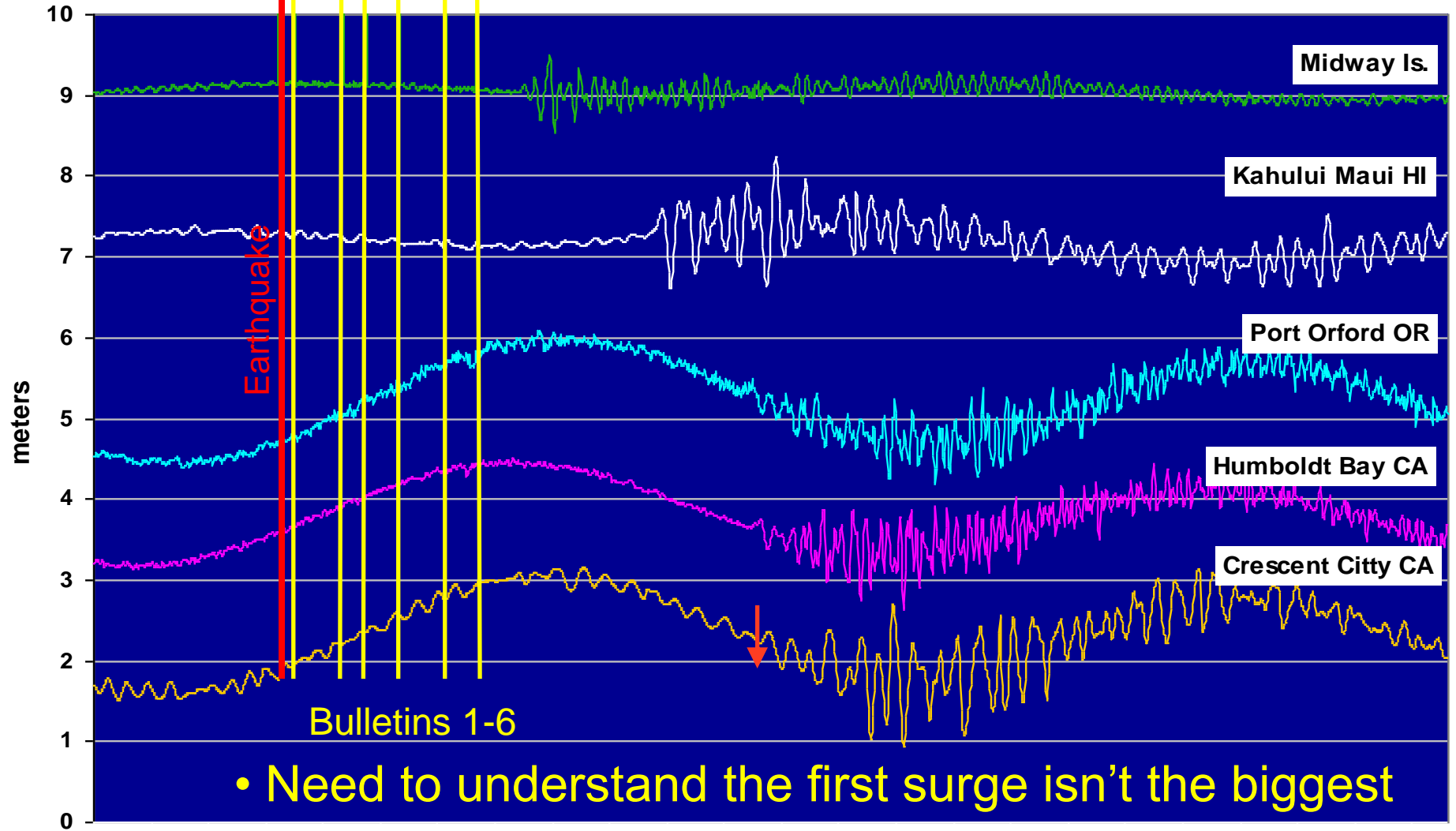
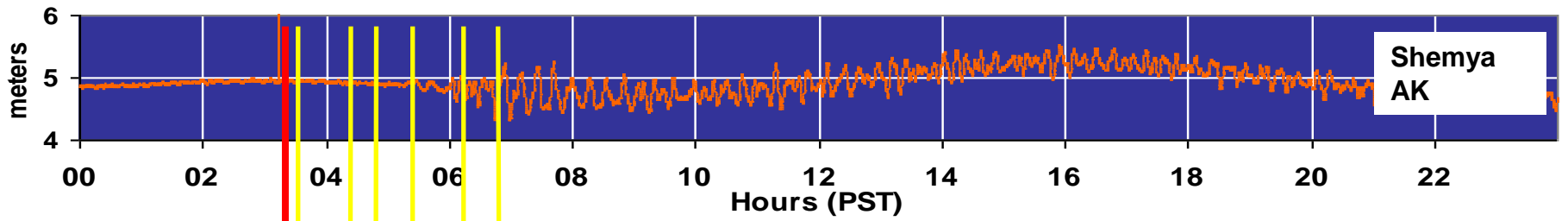
TSUNAMI HITS CRESCENT CITY



- ◆ WAVES SURGE INTO HARBOR
- ◆ BOATS, DOCKS DAMAGED

EARTHQUAKE TRIGGERS TSUNAMI





Puumaile, Hawaii 1946



Hilo, Hawaii 1946



Laie Point



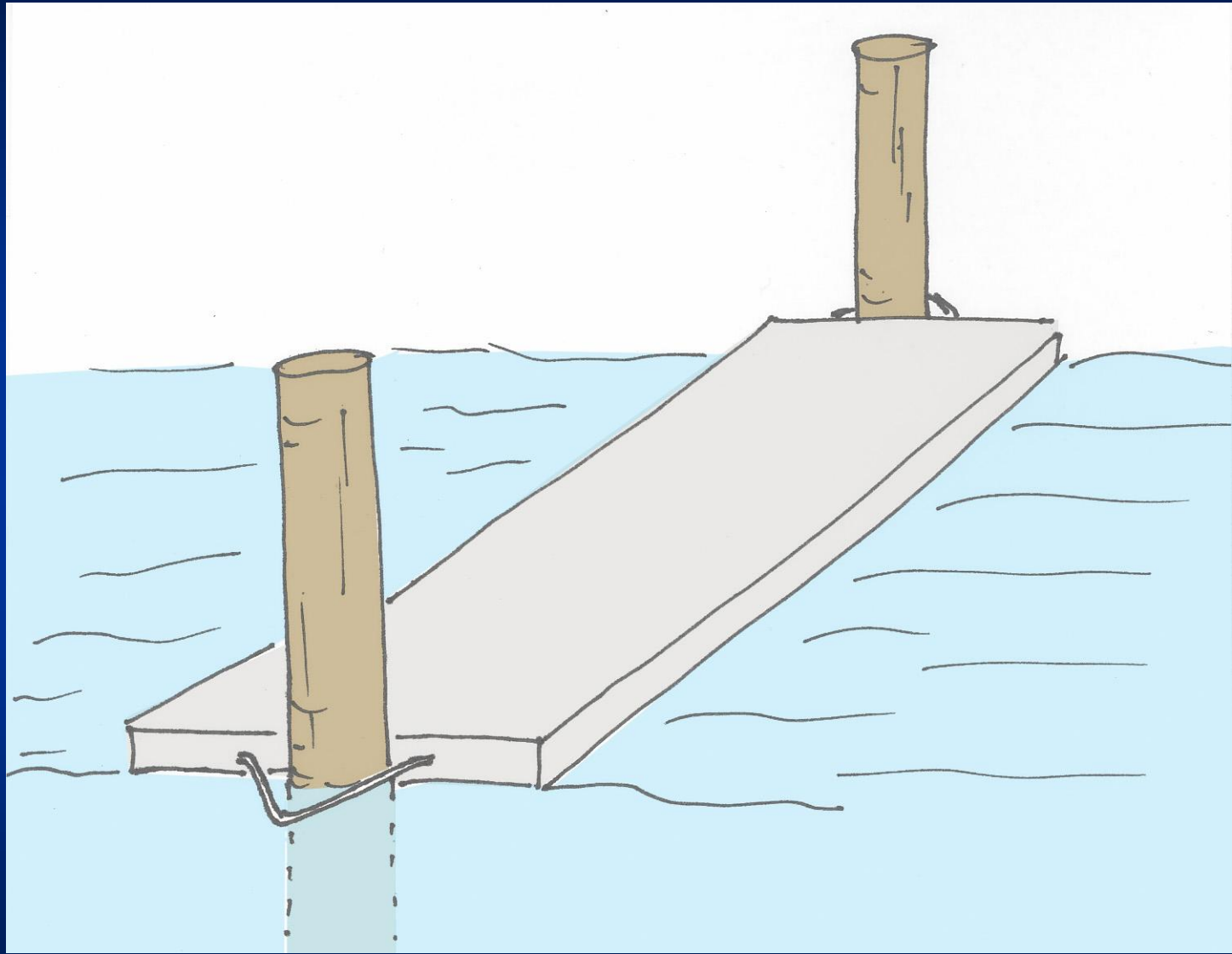
Puumaile, Ha

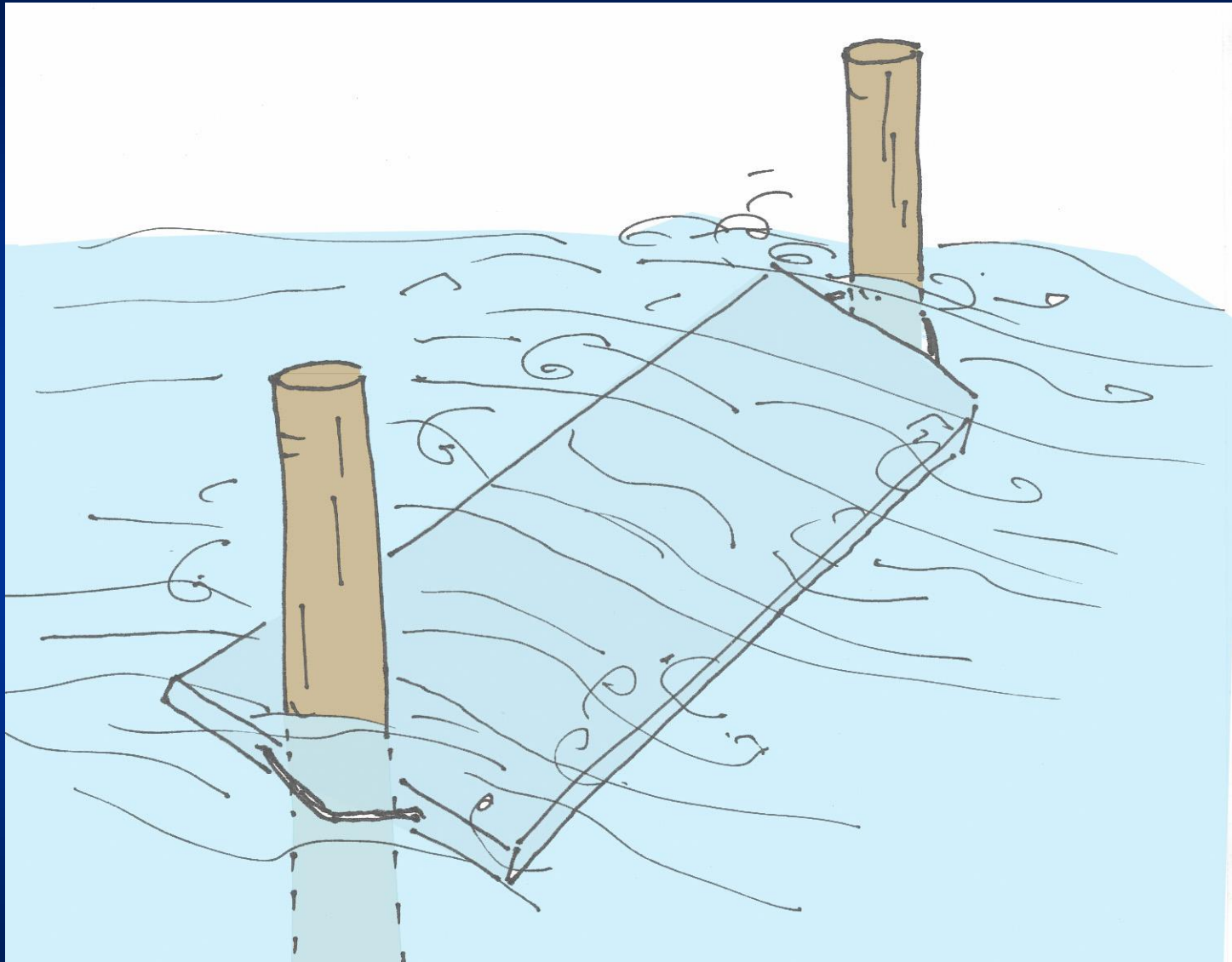


• Need to educate about the range of what a tsunami is



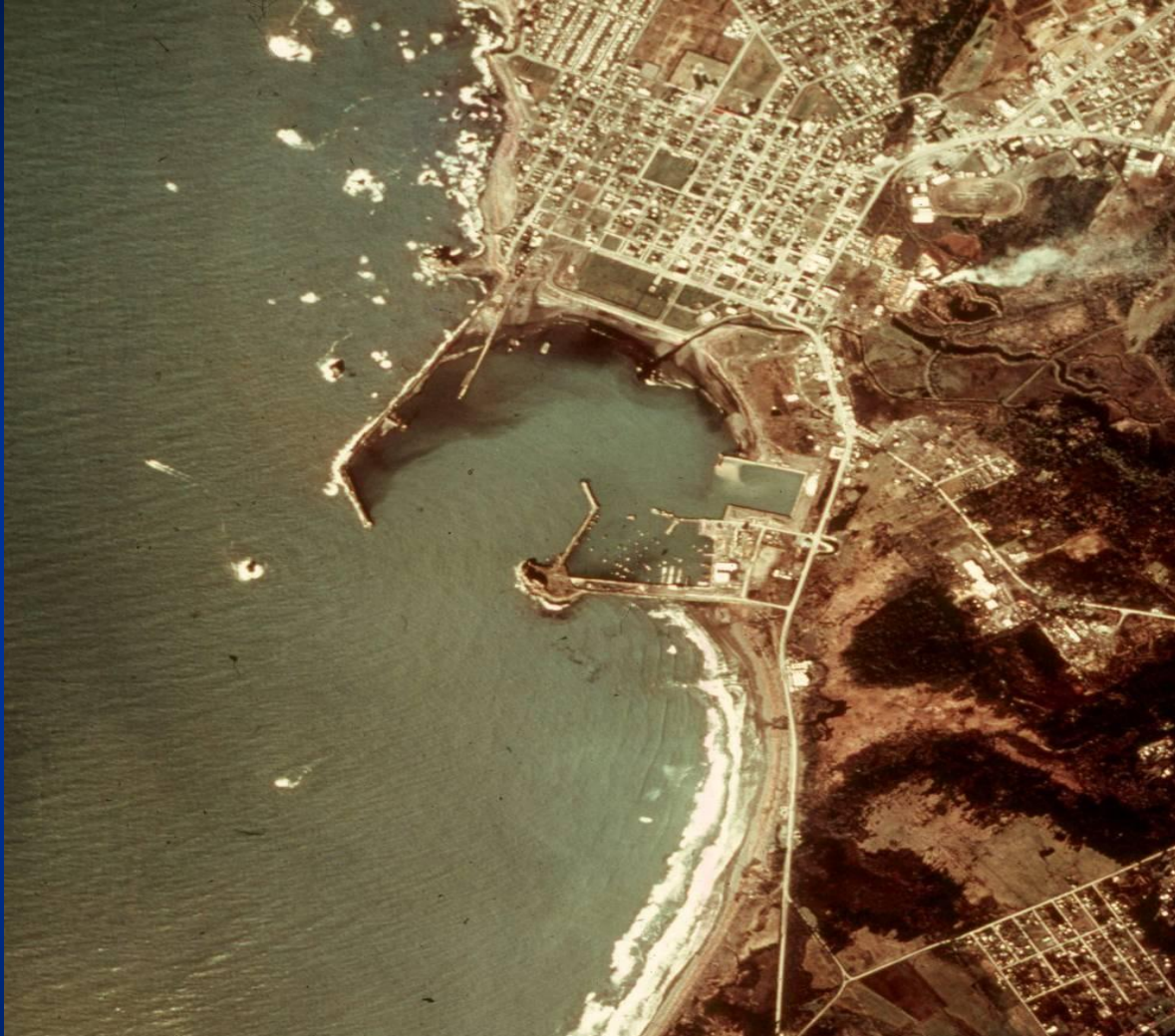
- Need to educate about the duration of the tsunami hazard





- Need to develop mitigation tools for small boat basins

What is so special about Crescent City?



- Need to understand causes of amplification
- Need more water level (tide gauge) recorders
- Need to develop instruments to measure tsunami currents

The Tsunami Warning and Education Act of 2006

The Tsunami Warning and Education Act of 2006

“The expansion of the NTHMP from the five Pacific states to 29 coastal states, commonwealths, and territories and the passage of the Tsunami Warning and Education Act offers a unique opportunity to strengthen the organizational structure of the program and enhance tsunami resilience in the United States.”

- Need to develop an organizational structure that preserves the strengths of the original 5 state program, and develop benchmarks for measuring progress

PTWC

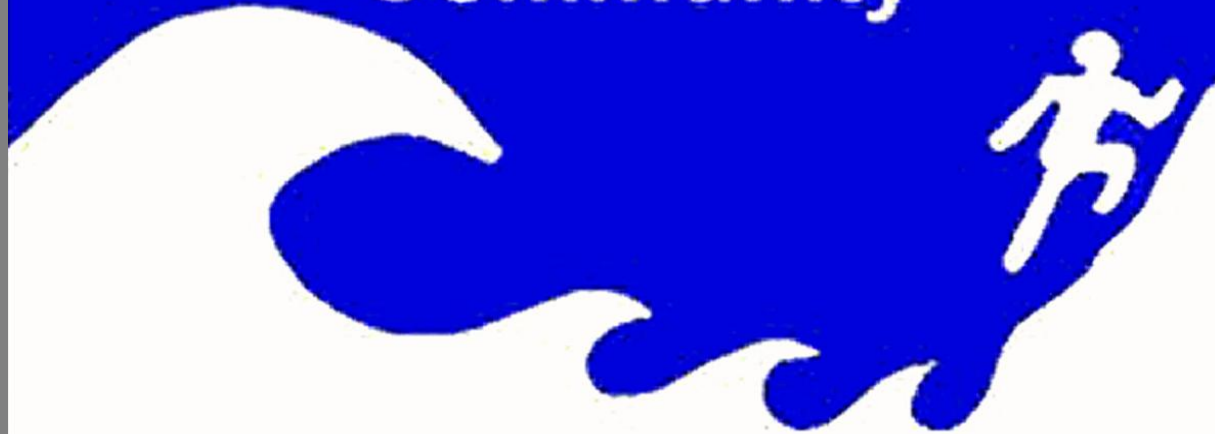


WCATWC

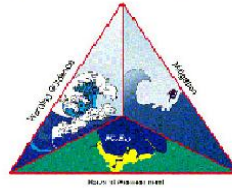


- Need to coordinate products and procedures

Entering A TsunamiReady Community



**IN CASE OF EARTHQUAKE, GO TO
HIGH GROUND OR INLAND**



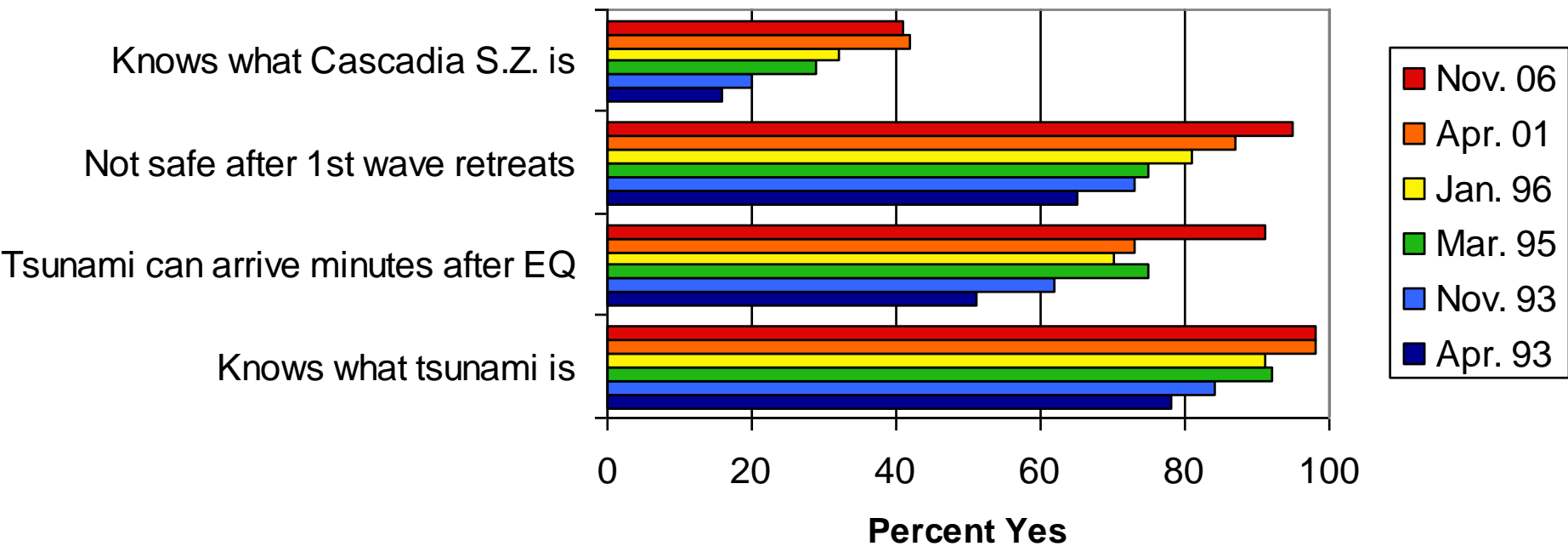
- Need to strengthen requirements for certification and recertification
- Incorporate earthquakes ??



- Need to EXERCISE!!

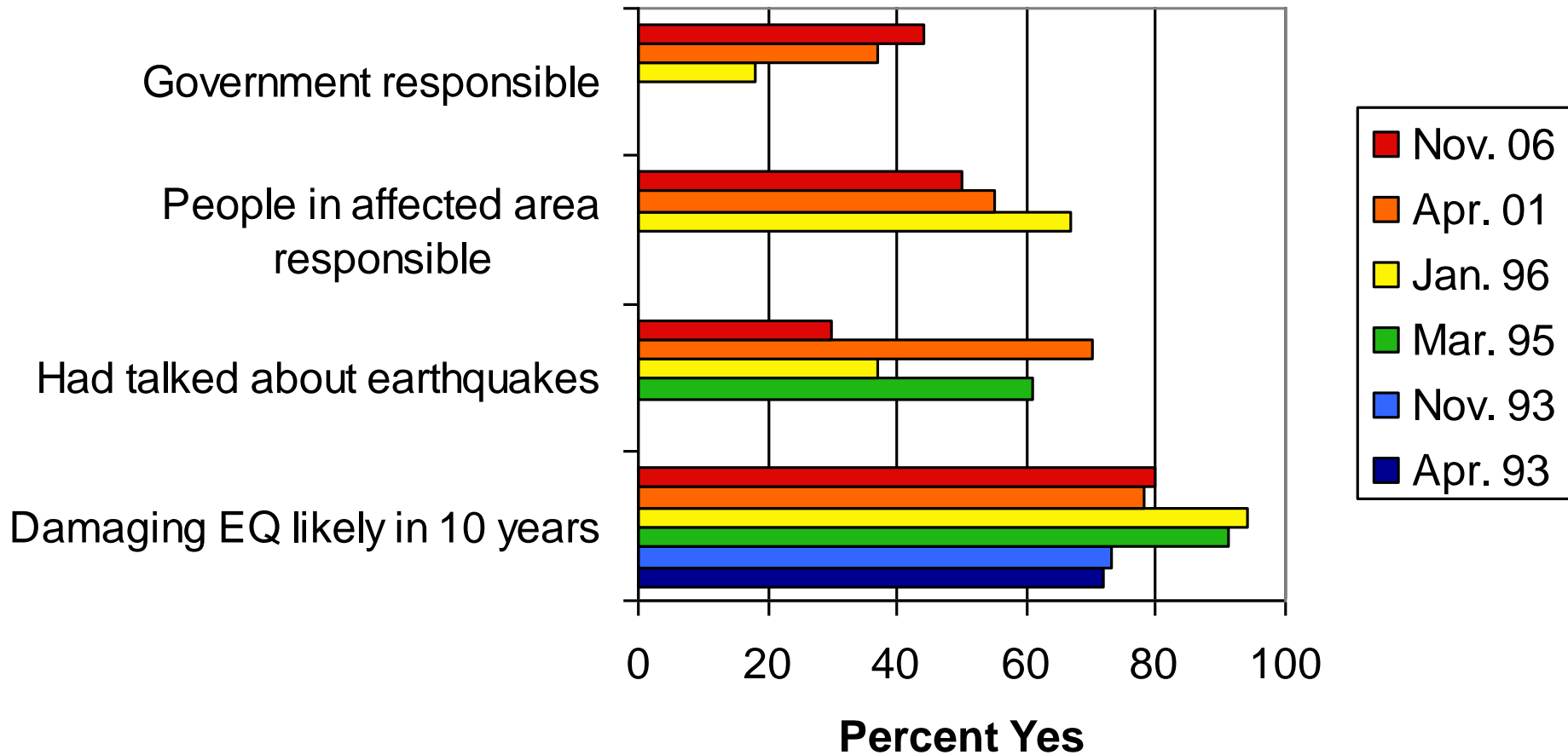
Northern California Survey Results

Tsunami Awareness



- Need to define desired outcomes and measure progress

Opinions



- Need to foster a sense of responsibility for individual and community preparedness

Two Stories From Thailand



Charles Ramsden



Tilly Smith

