California Tsunami Program: An Overview

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California Office of Emergency Services
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Seattle, Washington
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Staffing and Budget

Staffing

- Earthquake and Tsunami Program Manager (Research Specialist III)
- Earthquake and Tsunami Program
 Specialists 2 (Research Specialist II)

Budget

- \$275,000 per year from NOAA currently
- No state funds available

Budget Profile

Category	\$ Amount	% of Total
Salaries	84,000	30.4
Oper. Expenses	33,000	12.0
Contracts	142,000	51.6
Overhead	16,000	6.0
Total	275,000	100.0

Significant Accomplishments

- Completed coarse grid inundation maps for 90% of CA coast (all 15 counties)
- Promoted local tsunami planning by:
 - Holding planning workshops in 11 CA counties
 - Facilitating exercises in 6 counties
 - Reviewing 5 completed county tsunami plans
- Convened the CA Tsunami Steering Committee on an annual basis
- Developed a public-private partnership to support tsunami public education
- Worked with NTHMP on subcommittees on warning and outreach/hazard mitigation
- Published the <u>Local Planning Guidance on Tsunami Response</u>
- Worked with NOAA and FCC to clarify need for End-to-End tsunami warning communications tests
- Promoted the use of the CISN Display, a web-based earthquake/tsunami notification system

Impacts of Accomplishments

- Maps have facilitated tsunami planning
- Tsunami events have focused attention on the hazard
- Workshops and exercises have helped focus on plan strengths and deficiencies
- Warning system has benefited from state input
- Real-time tools have greatly improved tsunami notification capabilities

Challenges for NTHMP

- Funding
- Technical Assistance
- Leadership
- Promoting multi-state projects
- Defining TsunamiReady
- Promoting improved program integration

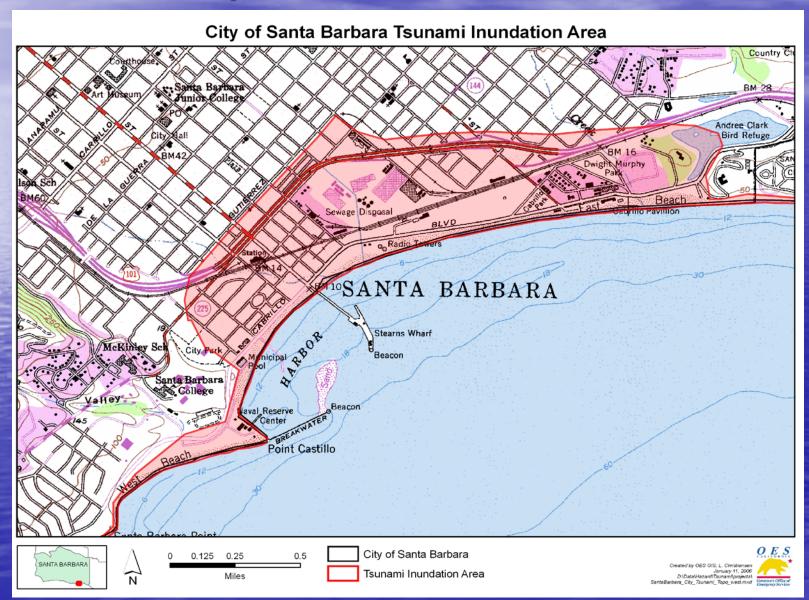
Current Program Priorities

- Complete and transfer 2nd generation coastal tsunami inundation maps to all CA coastal communities
- Promote and assist planning for tsunamis in all CA coastal counties
- Coordinate with NOAA/WFO in promoting tsunami hazard mitigation and outreach statewide
- Enhance warning and notification capabilities
- Assist local coastal jurisdictions with tsunami awareness and public education including placement of signs and signaling devices
- Obtain clear picture of where we are- assess status

Port of Los Angeles



City of Santa Barbara



Planning Assistance to Counties

- Ongoing Planning Assistance via:
 - Workshops in Each County
 - Plan Review
 - Exercise Facilitation
- Interpretation of Inundation Maps
- Distribute Planning Guidance Document



Local Planning Guidance on Tsunami Response

SECOND EDITION

A Supplement to the Emergency Planning Guidance for Local Governments

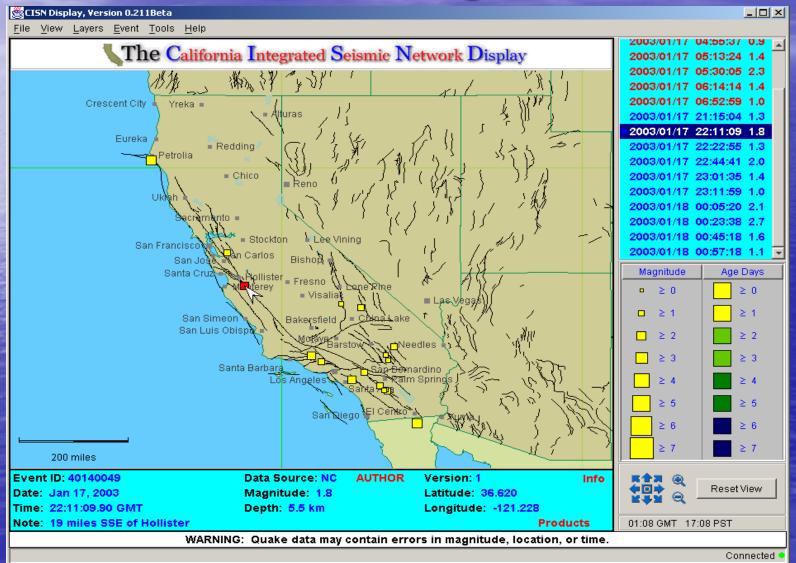


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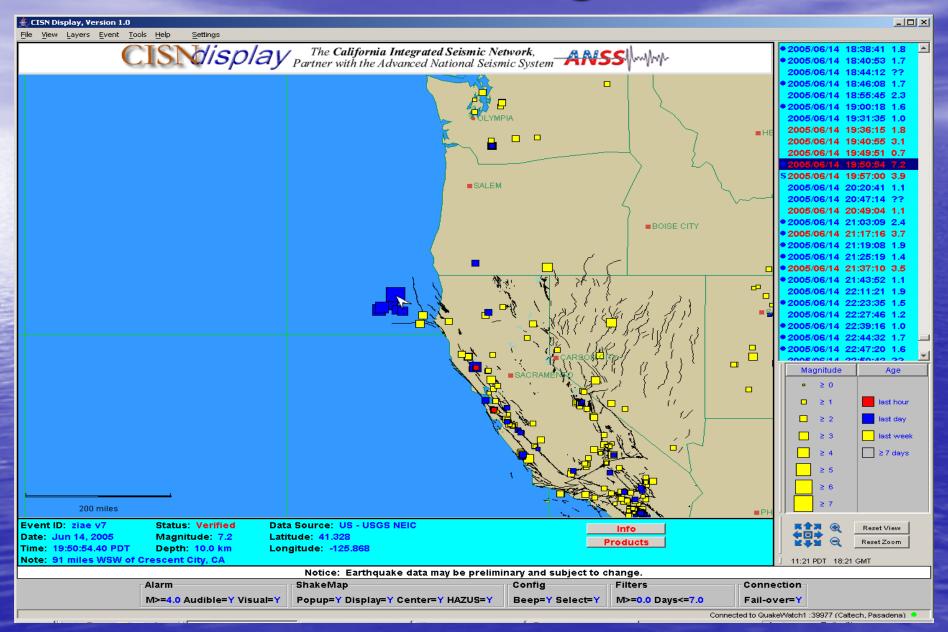
Dallas Jones Director

Governor's Office of Emergency Service

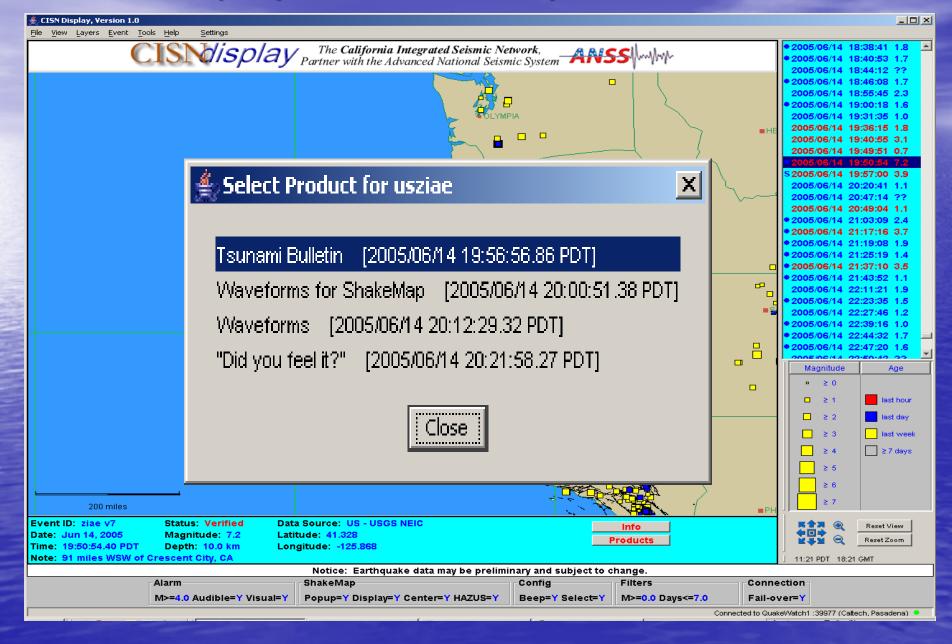
Notification and Warning Technologies



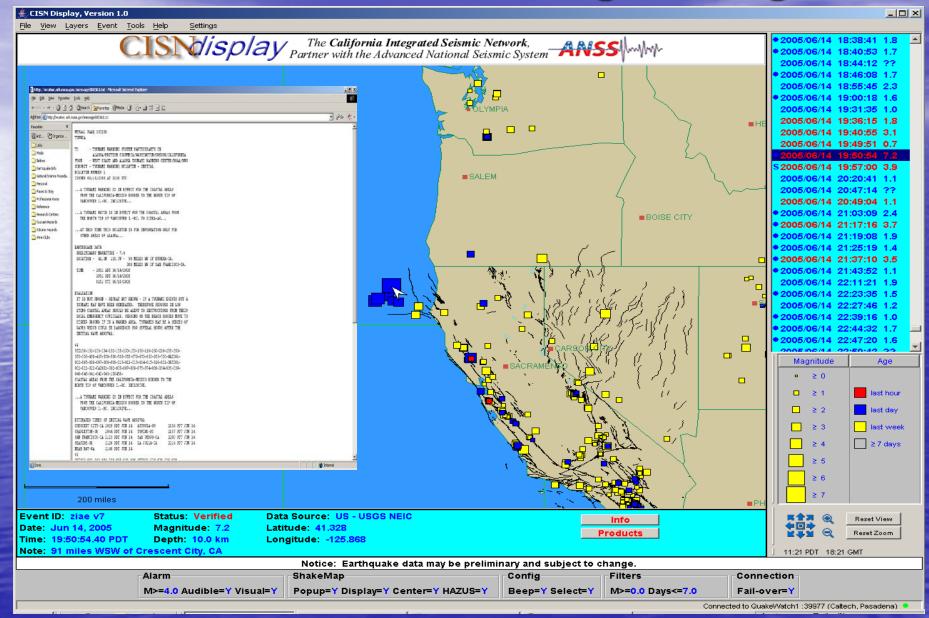
CA Tsunami Warning: 6-14-05



CISN Display: Provided Rapid Notification



Linked to Tsunami Warning Message



Funding Requirements

- New federal legislation includes \$6.75 annually for NTHMP through 2012
- Allocation of funds should reflect level of tsunami hazard
- Specific requirements difficult to ID but CA needs \$500-\$700K annually to broaden program
 - Beyond Emergency Managers as target audience
 - Beyond a focus on plans and exercises
- State of CA unlikely to provide funding

