

ABSTRACT

After the devastating December

Warning Zone" and "Evacuation

Route" signs at beaches and

California and other coastal states

2004 Indian Ocean Tsunami,

began installing "Tsunami

The geography of the Los

Angeles area may not be

conducive to signage alone to

communicate tsunami risk and

Over a year after installation,

most surveyed do not know about

not believe a tsunami could occur

The public and tourists need more

TSUNAMI HAZARD ZONE

than signs to become prepared

or recognize the tsunami signs.

More alarming is that many did

maior access roads.

safety precautions.

in the area

for a tsunami.

## **Public Perceptions of Tsunamis** and Tsunami Warning Signs in Los Angeles



## INTRODUCTION

In the last 200 years, the Los Angeles area has been affected by 10 tsunamis with four of those events being destructive. "Eventually, all coastal communities in California will have tsunami warning signs," Troy Nicolini of the National Weather Service told the Redwood Times. Los Angeles County recently installed tsunami danger zone signs at the beaches in Marina del Rev. Venice. Santa Monica and Malibu. Newspapers have reported many controversial statements about these signs - such as "it scared my kids" and "the signs may lower property values." Our findings do not agree with the newspaper reports.

In an exploratory survey administered to 147 respondents in the Santa Monica and Venice vicinity of Los Angeles county, I investigate the effectiveness of the visual communication of these signs. I hypothesized that many of the survey takers would be unaffected by the signs' presence, be unaware of the signs and may not even know the causes or how to detect a tsunami.

The survey consisted of 22 likert scale questions that assessed knowledge and opinions of tsunamis in the area, 4 multiple choice questions about preparedness and reactions, and one qualitative awareness question







## DISCUSSION

Most Los Angelinos remain in denial that they live near a tsunami hazard zone - even though many respondents seem to have a grasp of the scientific facts Far too many people would not know what to do in the event of a tsunami. Over 42% failed to report that they would seek higher ground. While the majority of respondents believe the state is being responsible by posting warning and evacuation signage, most have never seen them and were previously unaware of their existence. Many are expecting to be warned in ways that are not currently set up (texting, sirens) or are simply impossible (newspaper). CONCLUSIONS Tsunami signage is still in the experimental phase in Los Angeles. The dense population, expansive geography and tourism patterns should be better assessed before moving forward with the project.

The state must understand the expectations of the area's population and find a way to meet or adjust those expectations to match emergency management plans and capabilities.

## REFERENCES





CONTACT

Email: toni@antoniarosati.com

Phone: (303) 325-7398

Toni Rosati

Website: