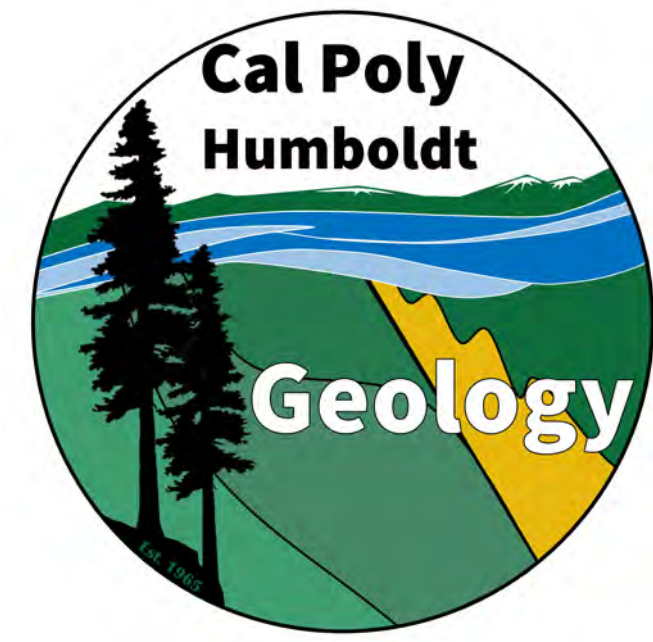


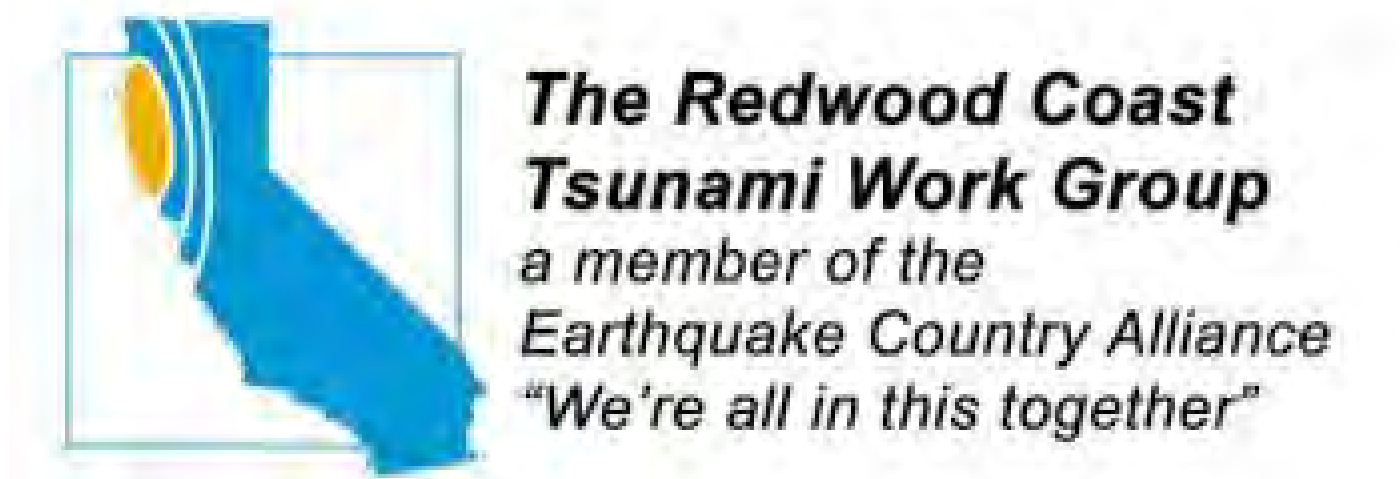
Are you safe from tsunami, in a worst case scenario, Magnitude 9 subduction zone earthquake in Humboldt County?



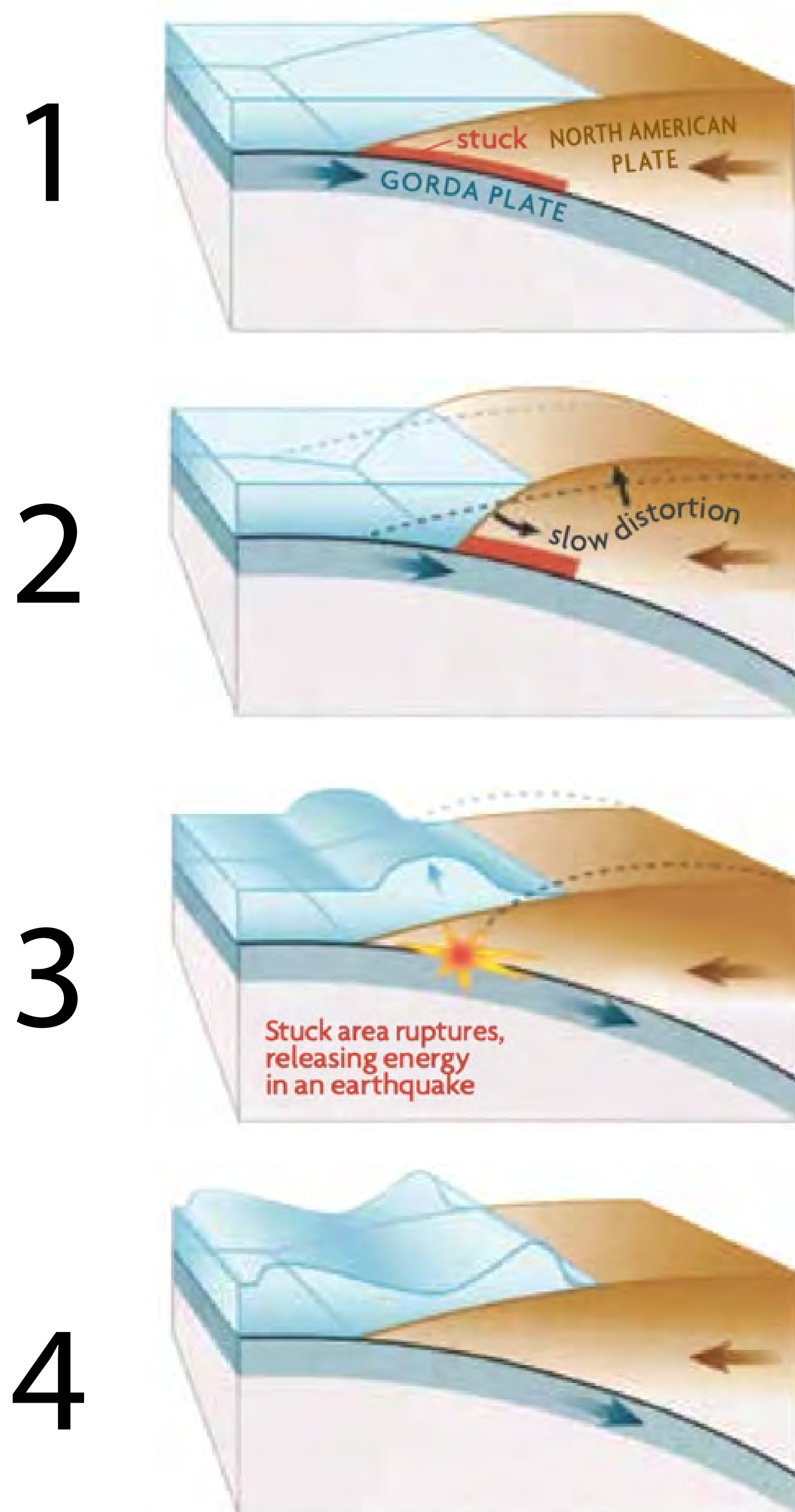
Melanie J. Michalak¹ & Amanda R. Admire^{1,2}

¹Department of Geology, Cal Poly Humboldt

²Redwood Coast Tsunami Work Group



How tsunamis form

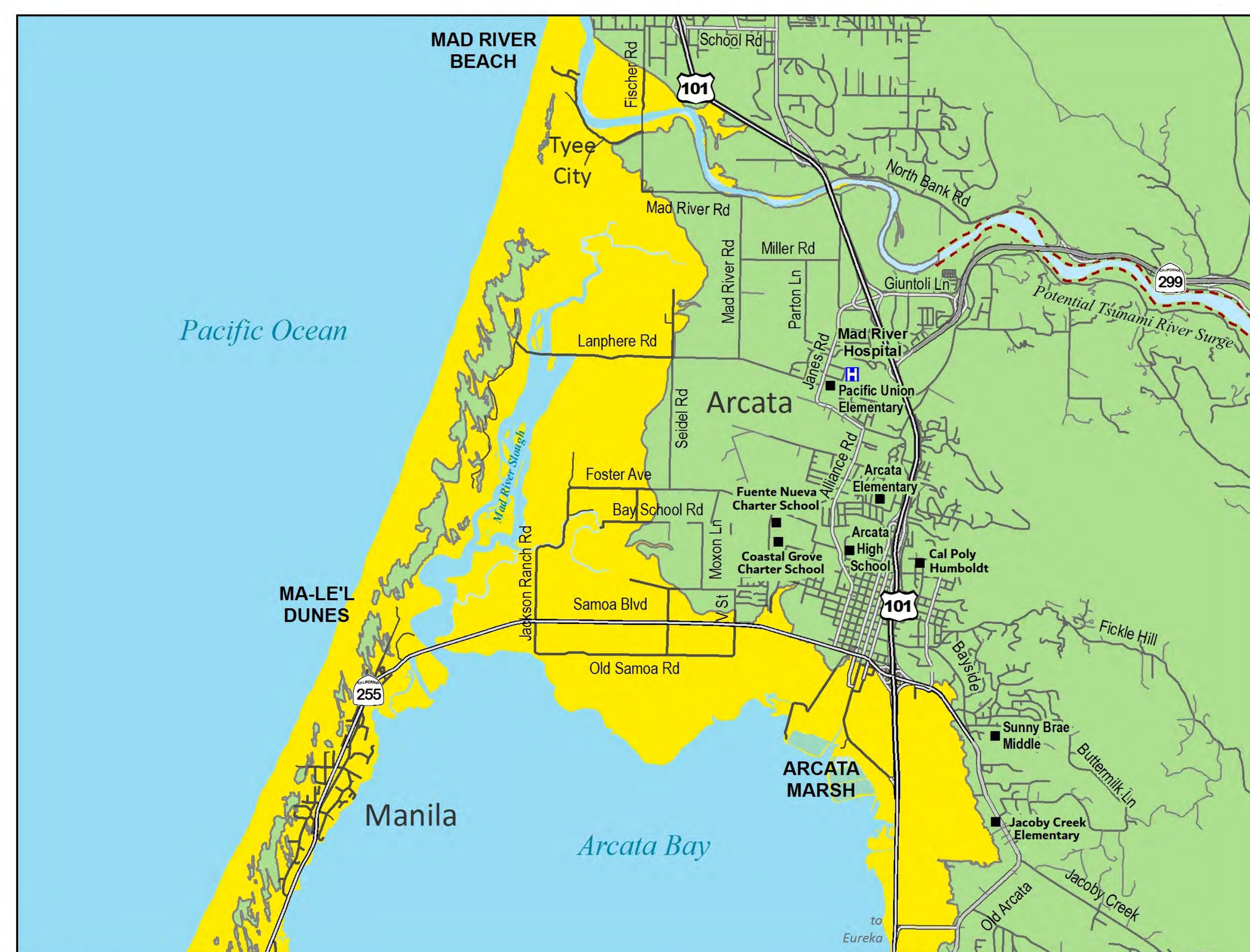


Images above from <https://rctwg.humboldt.edu/tsunamis-warnings/tsunamis>

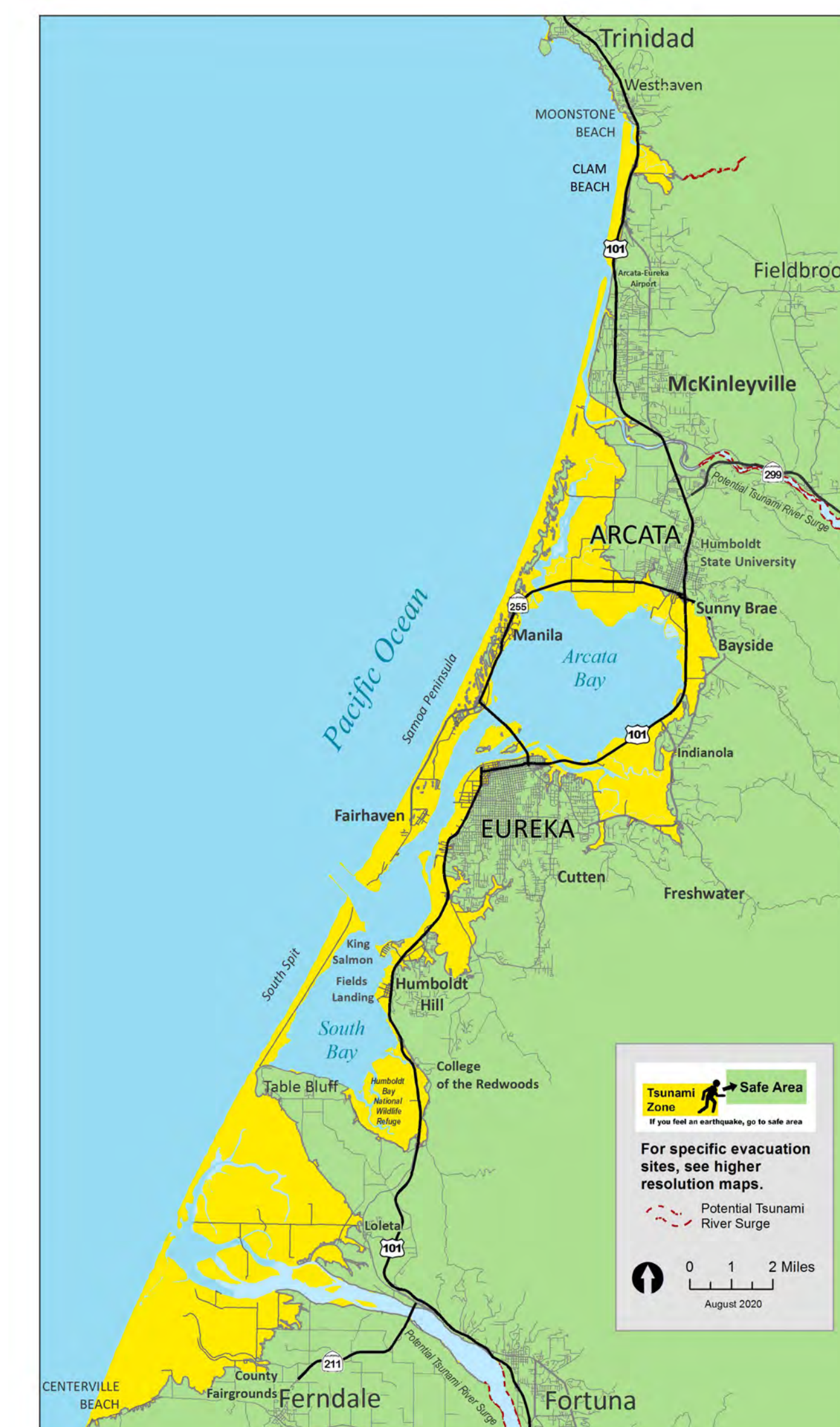
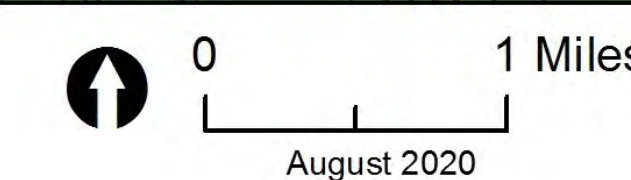


Boats are swept by a wave after a tsunami and earthquake in Asahikawa city, March 11, 2011. <https://www.reuters.com/news/picture/when-the-japan-tsunami-struck-idUS8R45Q02/>

Do you know if you live, work, go to school, or commute through the tsunami hazard zone?



ARCATA
Tsunami Hazard Map



Responses

Correct

Incorrect

What is your best warning that a local source tsunami is coming?

- A. An alert on your phone
- B. 1-5 minutes of strong ground shaking
- C. A tsunami siren

How much time do you have before the first tsunami surge arrives?

- A. 10-15 minutes
- B. 45-60 minutes
- C. 4-6 hours

If you **do not** live, work, or go to school in the tsunami hazard zone, would you evacuate anyway? **Why?** Tell us!

Yes

No

Evacuating when **you don't need** to can delay emergency personnel response, clog evacuation routes, and cause unnecessary injury.