

Figure PS-1a

Earthquake Ground Shaking Hazard Areas

The map illustrates the expected relative intensity of ground shaking & damage in Sonoma County from anticipated future earthquakes.

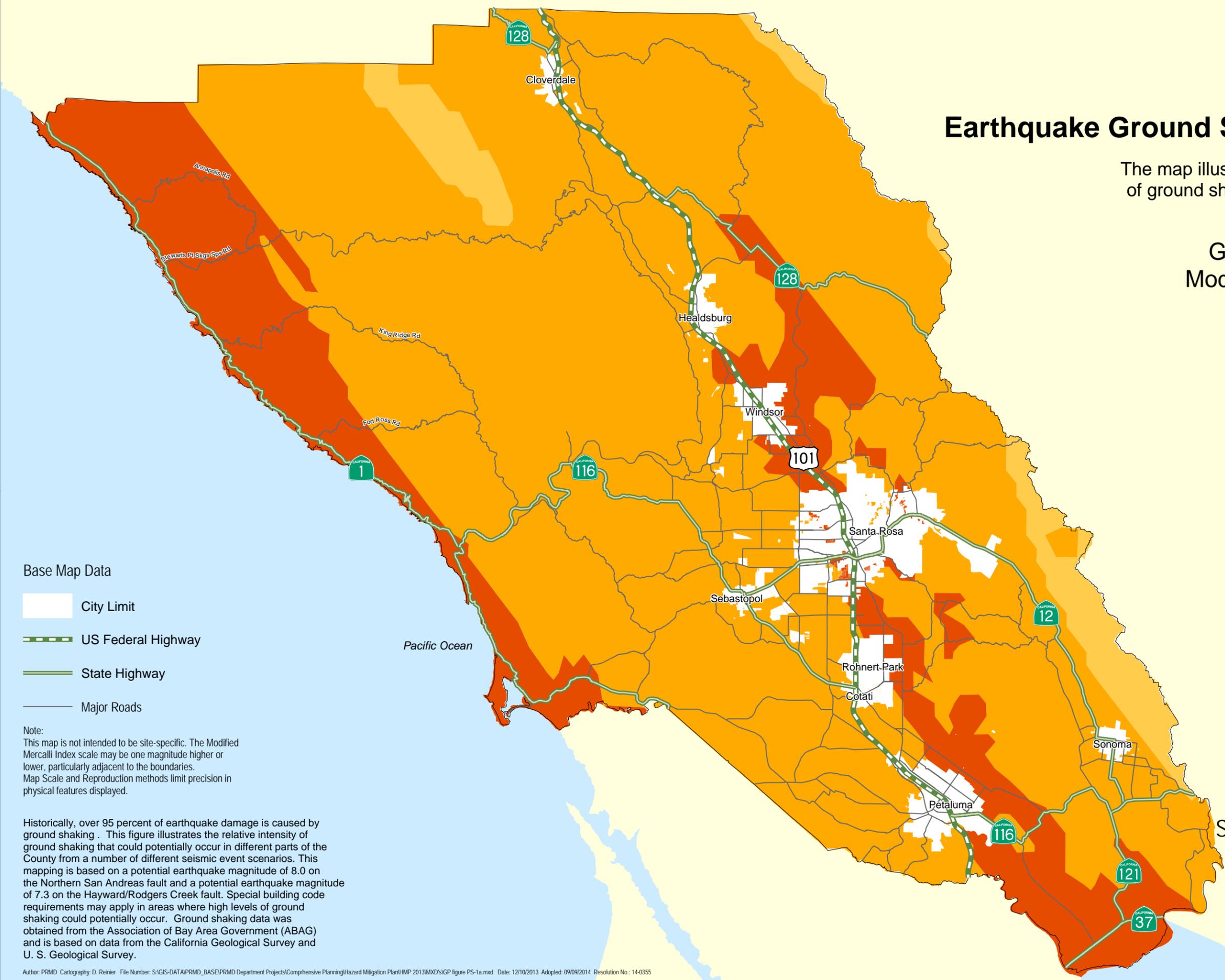
Ground Shaking Probability In Modified Mercalli Intensity Scale

- VII - Strong
- VIII - Very Strong
- IX - Violent

- Base Map Data
- City Limit
 - US Federal Highway
 - State Highway
 - Major Roads

Note:
 This map is not intended to be site-specific. The Modified Mercalli Index scale may be one magnitude higher or lower, particularly adjacent to the boundaries.
 Map Scale and Reproduction methods limit precision in physical features displayed.

Historically, over 95 percent of earthquake damage is caused by ground shaking. This figure illustrates the relative intensity of ground shaking that could potentially occur in different parts of the County from a number of different seismic event scenarios. This mapping is based on a potential earthquake magnitude of 8.0 on the Northern San Andreas fault and a potential earthquake magnitude of 7.3 on the Hayward/Rodgers Creek fault. Special building code requirements may apply in areas where high levels of ground shaking could potentially occur. Ground shaking data was obtained from the Association of Bay Area Government (ABAG) and is based on data from the California Geological Survey and U. S. Geological Survey.



Sonoma County General Plan 2020 Public Safety Element

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