The accuracy of the inundation line shown on these maps is subject to limitations in local county personnel. The location of the enhanced resolution (75- to 90-meters) that better defines the location of the maximum inundation line (U.S. Geological Survey, 1993; Intermap, 2003; NOAA, 2004). The inundation line was determined by using digital imagery and terrain data on a GIS platform with consideration given to historic inundation information (Lander, et al., 1993).

Sources that were considered include great subduction zone events that are known to occur around the Pacific Ocean “Ring of Fire.” Sources that have occurred historically (1960 Chile and 1964 Alaska earthquakes) and others which are currently understood to be potential tsunami sources that could affect the West Coast. Table 1 presents a list of tsunami sources that were considered.

Local tsunami sources that were considered include offshore reverse-thrust faults, restraining bends on strike-slip fault zones and large submarine landslides (Table 1). Local tsunami sources that were considered include offshore reverse-thrust faults, restraining bends on strike-slip fault zones and large submarine landslides.

The state of California has been on the receiving end of some of the world’s largest tsunamis. As a result, tsunami forecasting and hazard mitigation are critically important. This map is based on tsunami research and hazard studies funded by the National Tsunami Hazard Mitigation Program.

For a detailed explanation of the map, please refer to the following websites:

- State of California ~ County of Napa
- University of Southern California – Tsunami Research Center:
  - http://nctr.pmel.noaa.gov/time/background/models.html
- State of California Geological Survey Tsunami Information:
- California Geological Survey
- California Emergency Management Agency
- Synthetic Aperture Radar (IfSAR) Digital Elevation Models from GeoSAR platform (EarthData):
  - Record Documentation No. 29, NOAA, NESDIS, NGDC, 242 p.
- Intermap NEXTmap document on 5-meter resolution data, 112 p.
- Intermap Technologies, Inc., 2003, Intermap product handbook and quick start guide:

For additional information, please refer to the following websites:

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Please refer to the following websites for additional information on the construction and use of the inundation line.

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The map was derived using a series of nested grids. Near-shore grids with a 3 arc-second (75- to 90-meters) resolution or higher, were adjusted to “Mean High Water” sea-level conditions, and inundation could be greater in a major tsunami event.

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DISCLAIMER

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