

# Quaternary Fault and Fold Database of the United States

As of January 12, 2017, the USGS maintains a limited number of metadata fields that characterize the Quaternary faults and folds of the United States. For the most up-to-date information, please refer to the [interactive fault map](#).

## Casmalia fault zone (Class A) No. 84

Last Review Date: 2017-07-01

*citation for this record:* , compiler, 2017, Fault number 84, Casmalia fault zone, in Quaternary fault and fold database of the United States: U.S. Geological Survey website, <https://earthquakes.usgs.gov/hazards/qfaults>, accessed 12/14/2020 03:15 PM.

<b>Synopsis</b>	
<b>Name comments</b>	<b>Fault ID:</b> Refers to fault number 295 of Jennings (1994).
<b>County(s) and State(s)</b>	CALIFORNIA
<b>Physiographic province(s)</b>	
<b>Reliability of location</b>	Compiled at 1:24,000 scale.  <i>Comments:</i>
<b>Geologic setting</b>	
<b>Length (km)</b>	km.

<b>Average strike</b>	
<b>Sense of movement</b>	Thrust
<b>Dip</b>	
<b>Paleoseismology studies</b>	
<b>Geomorphic expression</b>	
<b>Age of faulted surficial deposits</b>	
<b>Historic earthquake</b>	
<b>Most recent prehistoric deformation</b>	late Quaternary (<130 ka) <i>Comments:</i>
<b>Recurrence interval</b>	
<b>Slip-rate category</b>	Unspecified
<b>Date and Compiler(s)</b>	2017
<b>References</b>	<p>#8076 Dibblee, T.W., Jr., 1989, Geologic map of the Casmalia and Orcutt quadrangles, Santa Barbara County, California: Dibblee Geological Foundation Map #DF-24, scale 1:24,000.</p> <p>#8077 Dibblee, T.W., Jr., 1989, Geologic map of the Point Sal and Guadalupe quadrangles, Santa Barbara County, California: Dibblee Geological Foundation Map #DF-25, scale 1:24,000.</p> <p>#8083 Dibblee, T.W., Jr., 1994, Geologic map of the Sisquoc quadrangle, Santa Barbara County, California: Dibblee Geological Foundation Map #DF-53, scale 1:24,000.</p> <p>#2878 Jennings, C.W., 1994, Fault activity map of California and adjacent areas, with locations of recent volcanic eruptions: California Division of Mines and Geology Geologic Data Map 6, 92 p., 2 pls., scale 1:750,000.</p>

#7844 Lettis, W.R., Hanson, K.L., Unruh, J.R., McLaren, M., and Savage, W.U., 2004, Quaternary tectonic setting of south-central coastal California, *in* Keller, M.A., eds., Evolution of sedimentary basins/offshore oil and gas investigations—Santa Maria province: U.S. Geological Survey Bulletin 1995-AA, 21 p., 1 plate, scale 1:250,000.

#5989 Sylvester, A.G., and Darrow, A.C., 1979, Structure and neotectonics of the western Santa Ynez fault system in southern California: *Tectonophysics*, v. 52, p. 389-405.

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