

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](#).

San Clemente fault zone (Class A) No. 283

Last Review Date: 2017-05-15

citation for this record: Bryant, W.A., compiler, 2017, Fault number 283, San Clemente 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 02:52 PM.

Synopsis	
Name comments	Fault ID: Refers to fault number 485 of Jennings (1994).
County(s) and State(s)	LOS ANGELES COUNTY, CALIFORNIA SAN DIEGO COUNTY, CALIFORNIA
Physiographic province(s)	PACIFIC BORDER LOWER CALIFORNIAN
Reliability of location	Compiled at 1:250,000 and 1:750,000 scale. <i>Comments:</i> Location of fault from Qt_ft_ver_3-0_Final_WGS84_polyline.shp (Bryant, W.A., written communication to K.Haller, August 15, 2017) attributed to 1:750,000-scale map by Jennings (1994), 1:250,000-scale map by

	Vedder and others (1986), and Legg and Kennedy (1993) and Legg and others (2015) mapped at unspecified scale.
Geologic setting	
Length (km)	248 km.
Average strike	
Sense of movement	Unspecified
Dip	
Paleoseismology studies	
Geomorphic expression	
Age of faulted surficial deposits	
Historic earthquake	
Most recent prehistoric deformation	latest Quaternary (<15 ka) <i>Comments:</i>
Recurrence interval	
Slip-rate category	Unspecified
Date and Compiler(s)	2017 William A. Bryant, California Geological Survey
References	#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. #8178 Legg, M.R., and Kennedy, M.P., 1993, Map of modifications to offshore area west of San Diego and west of Baja California, February 1993 (unpublished). #8179 Legg, M.R., Kohler, M.D., Shintaku, N., and Weeraratne,

D.S., 2015, High-resolution mapping of two large-scale transpressional fault zones in the California Continental Borderland—Santa Cruz-Catalina Ridge and Ferrello: *Journal of Geophysical Research*, v. 120, p. 915–942, doi:10.1002/2014JF003322.

#8344 Vedder, J.G., Greene, H.G., Clarke, S.H., and Kennedy, M.P., 1986, Geologic map of the mid–southern California continental margin, Map No. 2A (Geology), in Greene, H.G., and Kennedy, M.P., eds., *Geology of the mid-southern California continental margin: California Division of Mines and Geology California Continental Margin Geologic Map Series, Area 2 of 7*, scale 1:250,000.

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