Jump to Navigation

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 Pedro Basin fault zone (Class A) No. 282

Last Review Date: 2017-05-15

citation for this record: **Bryant, W.A., compiler, 2017, Fault number 282, San Pedro Basin 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 436A of Jennings (1994).
County(s) and State(s)	LOS ANGELES COUNTY, CALIFORNIA ORANGE COUNTY, CALIFORNIA
Physiographic province(s)	PACIFIC BORDER
Reliability of location	Poor Compiled at 1:250,000 and unspecified scale. *Comments:* Location of fault from Qt_flt_ver_3-0_Final_WGS84_polyline.shp (Bryant, W.A., written communication to K.Haller, August 15, 2017) attributed to 1:250,000-scale map by Vedder and others (1986) and Legg and

	others (2015) mapped at unspecified scale.
Geologic setting	
Length (km)	83 km.
Average strike	
Sense of movement	
Dip	
Paleoseismology studies	
Geomorphic expression	
Age of faulted surficial deposits	
Historic earthquake	
Most recent prehistoric deformation	late Quaternary (<130 ka) *Comments:*
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. #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 Ferrelo: 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.