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.

Santa Ynez River fault zone (Class A) No. 253

Last Review Date: 2017-05-15

citation for this record: **Bryant, W.A., compiler, 2017, Fault number 253, Santa Ynez River 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 02:53 PM.**

Synopsis	
Name comments	**Fault ID:** Refers to fault number 299 and 300 of Jennings (1994).
County(s) and State(s)	SANTA BARBARA COUNTY, CALIFORNIA
Physiographic province(s)	PACIFIC BORDER
Reliability of location	Poor Compiled at 1:24,000 and 1:250,000 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 1:24,000-scale map by Dibblee (1993); 1:250,000-scale maps by

	Sylvester and Darrow (1979) and Lettis and others (2004); and McCulloch (1989) mapped at unspecified scale.
Geologic setting	
Length (km)	89 km.
Average strike	
Sense of movement	Unspecified
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	#8082 Dibblee, T.W., Jr., 1993, Geologic map of the Los Alamos quadrangle, Santa Barbara County, California: Dibblee Geological Foundation Map #DF-46, scale 1:24,000. #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. #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. #8197 McCulloch, D.S., 1989, Geologic map of the south-central California continental margin, Map No. 4A (Geology), *in* Greene, H.G., and Kennedy, M.P., eds., Geologic map of the south-central California continental margin: California Division of Mines and Geology California Continental Margin Geologic Map Series, Area 4 of 7, map 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.