

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 Juan fault zone (Class A) No. 77

Last Review Date: 2017-05-15

citation for this record: Bryant, W.A., compiler, 2017, Fault number 77, San Juan 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 02:02 PM.

Synopsis	
Name comments	Fault ID: Refers to fault number 279 of Jennings (1994).
County(s) and State(s)	SAN LUIS OBISPO COUNTY, CALIFORNIA
Physiographic province(s)	PACIFIC BORDER
Reliability of location	Good Compiled at 1:24,000 and 1:62,500 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 1:24,000-scale maps by Vedder and others (1986, 1986) and Sims

	and Hamilton (1991), and 1:62,500-scale maps by Dibblee (1972, 1974).
Geologic setting	
Length (km)	95 km.
Average strike	
Sense of movement	Right lateral
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	#4825 Dibblee, T.W., Jr., 1972, Geologic map of the La Panza quadrangle, California: U.S. Geological Survey Open-File Map, 1 pl., scale 1:62,500. #4830 Dibblee, T.W., Jr., 1974, Geologic map of the Shandon and Orchard Peak quadrangles, San Luis Obispo and Kern Counties, California: U.S. Geological Survey Miscellaneous Investigations Map I-0788, 2 sheets, scale 1:62,500. #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.

#5788 Sims, J.D., and Hamilton, J.C., 1991, Geologic map of the
Chalome quadrangle, San Luis Obispo County, California: U.S.
Geological Survey, Miscellaneous Field Studies Map MF-2170,
scale 1:24,000.

#8346 Vedder, J.G., Howell, D.G., and McLean, H., 1986,
Geologic map of parts of La Panza and California Valley
quadrangles, California: U.S. Geological Survey Open-File
Report 86-637, scale 1:24,000.

#8345 Vedder, J.G., Howell, D.G., McLean, Hugh, and Joyce,
J.M., 1986, Geologic Map of Branch Mountain quadrangle and
part of Chimineas Ranch quadrangle, California: U.S. Geological
Survey Open-File Report 86-636, scale 1:24,000.

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