

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](#).

Little Lake fault zone (Class A) No. 72

Last Review Date: 2017-05-15

citation for this record: Bryant, W.A., compiler, 2017, Fault number 72, Little Lake 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 02:03 PM.

Synopsis	
Name comments	Fault ID: Refers to fault number 267 of Jennings (1994).
County(s) and State(s)	KERN COUNTY, CALIFORNIA INYO COUNTY, CALIFORNIA
Physiographic province(s)	BASIN AND RANGE
Reliability of location	Compiled at 1:24,000 and 1:250,000 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 1:24,000 -scale map by Wills (1988a), and 1:250,000-scale map

	by Hsu and Wagner (1990).
Geologic setting	
Length (km)	54 km.
Average strike	
Sense of movement	Right lateral, Normal
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	Between 1.0 and 5.0 mm/yr
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. #5647 Oliver, H.W., and Robbins, S.L., 1978, Mariposa sheet: California Division of Mines and Geology Bouguer Gravity Atlas of California, scale 1:250,000. #8367 Wills, C.J., 1988, Little Lake and Airport Lake fault zones, Inyo and Kern counties, California: California Division of Mines

and Geology Fault Evaluation Report 199, 10 p., 7 maps, scale 1:24,000, in Fault Evaluation Reports Prepared Under the Alquist-Priolo Earthquake Fault Zoning Act, Region 1 – Central California: California Geological Survey CGS CD 2002-01 (2002).

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