

# 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](#).

## Murphy Canyon fault (Class A) No. 303

Last Review Date: 2017-07-01

*citation for this record:* Bryant, W.A., compiler, 2017, Fault number 303, Murphy Canyon fault, 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.

<b>Synopsis</b>	
<b>Name comments</b>	
<b>County(s) and State(s)</b>	SAN DIEGO COUNTY, CALIFORNIA
<b>Physiographic province(s)</b>	LOWER CALIFORNIAN
<b>Reliability of location</b>	Good Compiled at 1:1:100,00 and 1:24,000 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 Treiman (1993).

<b>Geologic setting</b>	
<b>Length (km)</b>	5 km.
<b>Average strike</b>	
<b>Sense of movement</b>	Unspecified
<b>Dip</b>	
<b>Paleoseismology studies</b>	
<b>Geomorphic expression</b>	
<b>Age of faulted surficial deposits</b>	
<b>Historic earthquake</b>	
<b>Most recent prehistoric deformation</b>	undifferentiated Quaternary (<1.6 Ma) <i>Comments:</i>
<b>Recurrence interval</b>	
<b>Slip-rate category</b>	Unspecified
<b>Date and Compiler(s)</b>	2017 William A. Bryant, California Geological Survey
<b>References</b>	#6494 Treiman, J.A., 1993, The Rose Canyon fault zone, southern California: California Department of Conservation, Division of Mines and Geology Open-File Report 93-02, 45 p., 3 pls., scale 1:100,00 and 1:24,000.

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