

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](#).

Southern Inyo Mountains fault (Class A) No. 533

Last Review Date: 2017-05-15

citation for this record: Bryant, W.A., compiler, 2017, Fault number 533, Southern Inyo Mountains 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 03:06 PM.

Synopsis	
Name comments	Fault ID: Refers to fault number 540 of Jennings (1994).
County(s) and State(s)	INYO COUNTY, CALIFORNIA
Physiographic province(s)	BASIN AND RANGE
Reliability of location	Compiled at 1:62,500 and 1:100000 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 1:62,500-scale map by Stinson (1977) and 1:100000-scale map by Slemmons and others (2008).
Geologic setting	
Length (km)	20 km.
Average strike	
Sense of movement	Normal
Dip Direction	SW
Paleoseismology studies	
Geomorphic expression	
Age of faulted surficial deposits	
Historic earthquake	
Most recent prehistoric deformation	undifferentiated Quaternary (<1.6 Ma) <i>Comments:</i>
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. #8265 Slemmons, D.B., Vittori, E., Jayko, A.S., Carver, G.A., and Bacon, S.N., 2008, Quaternary fault and lineament map of Owens Valley, Inyo County, eastern California: Geological Society of America Map and Chart Series MCH096, 25 p., scale 1:100,000.

#1658 Stinson, M.C., 1977, Geologic map and sections of the Keeler 15-minute quadrangle, Inyo County, California: California Division of Mines and Geology Map Sheet 38, 1 sheet, scale 1:62,500.

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