

# 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](#).

## Kern Canyon fault zone (Class A) No. 494

Last Review Date: 2017-07-01

*citation for this record:* Bryant, W.A., compiler, 2017, Fault number 494, Kern Canyon 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 03:08 PM.

<b>Synopsis</b>	
<b>Name comments</b>	<b>Fault ID:</b> Refers to fault number 252 of Jennings (1994).
<b>County(s) and State(s)</b>	TULARE COUNTY, CALIFORNIA KERN COUNTY, CALIFORNIA
<b>Physiographic province(s)</b>	CASCADE-SIERRA MOUNTAINS
<b>Reliability of location</b>	Good Compiled at 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 1:24,000-scale map by Brossy and others (2012).

<b>Geologic setting</b>	
<b>Length (km)</b>	169 km.
<b>Average strike</b>	
<b>Sense of movement</b>	Normal, Right lateral
<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>	latest Quaternary (<15 ka) <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>	#7968 Brossy, C.C., Kelson, K.I., Amos, C.B., Baldwin, J.N., Kozlowicz, B., Simpson, D., Ticci, M.G., Lutz, A.T., Kozaci, O., Streig, A., Turner, R., Rose, R., 2012, Map of the late Quaternary active Kern Canyon and Breckenridge faults, southern Sierra Nevada, California: Geosphere, v. 8. p. 581-591, doi:10.1130/GES00663.1.  #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.

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