

# 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](#).

## Skeleton Canyon fault zone (Class A) No. 421

Last Review Date: 2017-05-15

*citation for this record:* Bryant, W.A., compiler, 2017, Fault number 421, Skeleton 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 03:09 PM.

<b>Synopsis</b>	
<b>Name comments</b>	
<b>County(s) and State(s)</b>	RIVERSIDE COUNTY, CALIFORNIA
<b>Physiographic province(s)</b>	BASIN AND RANGE
<b>Reliability of location</b>	Compiled at 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 1:14,000-scale map by Hays (1957); 1:24,000-scale maps by

	Bryant (2012, 2015); 1:100,000-scale map by Matti (2012); and Ware (1958) mapped at unspecified scale.
<b>Geologic setting</b>	
<b>Length (km)</b>	16 km.
<b>Average strike</b>	
<b>Sense of movement</b>	Right lateral, Reverse
<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>	#8024 Bryant, W. A., 2015, San Andreas, Skeleton Canyon, Indio Hills, NW Painted Canyon, Coachella Fan, Berdoo Canyon, and related faults, Riverside County, California: California Geological Survey Fault Evaluation Report FER-250, 34 p., 2 Appendices, website, [ftp://ftp.consrv.ca.gov/pub/dmg/pubs/fer/250/].  #8022 Bryant, W.A., 2012, San Andreas, Hidden Spring, Skeleton Canyon, Mecca Hills, and related faults, Riverside and Imperial Counties, California: California Geological Survey Fault Evaluation Report FER-252, 29 p. website,

[ftp://ftp.consrv.ca.gov/pub/dmg/pubs/fer/252/].

#8131 Hays, W.H., 1957, Geology of the central Mecca Hills, Riverside County, California: New Haven, Connecticut, Yale University, unpublished Ph.D. thesis, 324 p., map scale 1:14,000.

#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.

#8192 Matti, J.C., 2012, Preliminary geologic mapping in the Palm Springs 30' x 60' quadrangle, California: Unpublished, in progress, digital data provided by U.S. Geological Survey to California Geological Survey, versions dated 5/26/2012, 8/7/2012, and 9/10/2012, scale 1:100,000.

#8360 Ware, G.C., 1958, Geologic map of part of the Mecca Hills, Riverside County, California: Los Angeles, University of California, unpublished M.A. thesis.

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