

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](#).

Murrietta Hot Springs fault (Class A) No. 298

Last Review Date: 2017-05-15

citation for this record: Bryant, W.A., compiler, 2017, Fault number 298, Murrietta Hot Springs 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.

Synopsis	
Name comments	Fault ID: Refers to fault number 468 of Jennings (1994).
County(s) and State(s)	RIVERSIDE COUNTY, CALIFORNIA
Physiographic province(s)	PACIFIC BORDER
Reliability of location	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 maps by Kennedy (1977) and Kennedy and

	Morton (2003).
Geologic setting	
Length (km)	16 km.
Average strike	
Sense of movement	Normal
Dip	
Paleoseismology studies	
Geomorphic expression	
Age of faulted surficial deposits	
Historic earthquake	
Most recent prehistoric deformation	late Quaternary (<130 ka) <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. #8164 Kennedy, M.P., 1977, Recency and character of faulting along the Elsinore fault zone in southern Riverside County, California: California Division of Mines and Geology Special Report 131, 12 p., 1 plate, scale 1:24,000. #8169 Kennedy, M.P. and Morton, D.M., 2003, Preliminary

geologic map of the Murrieta 7.5-minute quadrangle, Riverside County, California: U.S. Geological Survey Open-File Report 03-189, scale 1:24,000.

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