

# 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](#).

## Southampton fault (Class A) No. 481

Last Review Date: 2017-05-15

*citation for this record:* Bryant, W.A., compiler, 2017, Fault number 481, Southampton 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 03:07 PM.

<b>Synopsis</b>	
<b>Name comments</b>	
<b>County(s) and State(s)</b>	CONTRA COSTA COUNTY, CALIFORNIA SOLANO COUNTY, CALIFORNIA
<b>Physiographic province(s)</b>	PACIFIC BORDER
<b>Reliability of location</b>	Good Compiled at 1:24,000 and unspecified 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 Wesling and Hanson (2008) and Graymer and

	others (2006) mapped at unspecified scale.
<b>Geologic setting</b>	
<b>Length (km)</b>	37 km.
<b>Average strike</b>	
<b>Sense of movement</b>	Reverse, 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>	undifferentiated Quaternary (<1.6 Ma) <i>Comments:</i>
<b>Recurrence interval</b>	
<b>Slip-rate category</b>	Between 0.2 and 1.0 mm/yr
<b>Date and Compiler(s)</b>	2017 William A. Bryant, California Geological Survey
<b>References</b>	#8106 Graymer, R.W., Bryant, W.A., McCabe, C.A., Hecker, S., and Prentice, C.S., 2006, Map of Quaternary-active faults in the San Francisco Bay region: U.S. Geological Survey Scientific Investigations Map 2919, available at <a href="http://pubs.usgs.gov/sim/2006/2919">http://pubs.usgs.gov/sim/2006/2919</a> .  #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.

#8366 Wesling, J.R., and Hanson, K.L., 2008, Mapping of the West Napa fault zone for input into the northern California Quaternary fault database: U.S. Geological Survey NEHRP Final Technical Report, under Grant Number 05HQAG0002, 35 p., map scale 1:24,000.

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