

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](#).

Serra fault zone (Class A) No. 461

Last Review Date: 2017-05-15

citation for this record: Bryant, W.A., compiler, 2017, Fault number 461, Serra 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.

Synopsis	
Name comments	Fault ID: Refers to fault number 179 of Jennings (1994).
County(s) and State(s)	SAN MATEO COUNTY, CALIFORNIA
Physiographic province(s)	PACIFIC BORDER
Reliability of location	Good Compiled at 1:24,000; 1:62,500 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 by Bonilla (1998); 1:62,500-scale maps by Brabb and Olson (1996) and Brabb and others (1998); and

	Hengesh and others (1996) and Kennedy (2002) mapped at unspecified scale.
Geologic setting	
Length (km)	20 km.
Average strike	
Sense of movement	Reverse
Dip	
Paleoseismology studies	
Geomorphic expression	
Age of faulted surficial deposits	
Historic earthquake	
Most recent prehistoric deformation	latest Quaternary (<15 ka) <i>Comments:</i>
Recurrence interval	
Slip-rate category	Unspecified
Date and Compiler(s)	2017 William A. Bryant, California Geological Survey
References	#7962 Bonilla, M.G., 1998, Preliminary geologic map of the San Francisco South 7.5' quadrangle, San Francisco Bay area, California: A Digital Database: U.S. Geological Survey Open-File Map OF 98-354, map scale 1:24,000. #5464 Brabb, E.E., and Olson, J.A., 1986, Map showing faults and earthquake epicenters in San Mateo County, California: U.S. Geological Survey Miscellaneous Investigations Series Map I-1257-F, scale 1:62,500.

#7965 Brabb, E.E., Graymer, R.W., and Jones, D.L., 1998, Geology of the onshore part of San Mateo County, California: A digital database: U.S. Geological Survey Open-File Report OF 98-137, scale 1:62,500.

#8140 Hengesh, J.V, Wakabayashi, J., and Nolan, J.M., 1996, Paleoseismic investigation of the Serra fault, San Francisco Peninsula, California: U.S. Geological Survey Final Technical Report, National Earthquake Hazard Reduction Program, Award No. 1434-95-G-2549, 17 p.

#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.

#8163 Kennedy, D.G., 2002, Neotectonic character of the Serra fault, Northern San Francisco Peninsula, California: unpublished M.S. thesis, San Francisco State University, 117 p.

[Questions or comments?](#)

[Facebook](#) [Twitter](#) [Google](#) [Email](#)

[Hazards](#)

[Design](#) [Ground Motions](#) [Seismic Hazard Maps & Site-Specific Data](#) [Faults](#) [Scenarios](#)

[Earthquakes](#) [Hazards](#) [Data](#) [Education](#) [Monitoring](#) [Research](#)

[Home](#) [About Us](#) [Contacts](#) [Legal](#)