

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](#).

Verdugo fault (Class A) No. 104

Last Review Date: 2017-07-05

citation for this record: Bryant, W.A., compiler, 2017, Fault number 104, Verdugo 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 02:21 PM.

Synopsis	
Name comments	Fault ID: Refers to Jennings (1994) number 387.
County(s) and State(s)	LOS ANGELES COUNTY, CALIFORNIA
Physiographic province(s)	PACIFIC BORDER
Reliability of location	Good Compiled at 1:100,000 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 1:100,000-scale map of Yerkes and Campbell (2005) and unspecified scale map of Weber and others (1980).

Geologic setting	
Length (km)	26 km.
Average strike	
Sense of movement	Reverse <i>Comments: Wesnousky (1986)</i>
Dip Direction	NE
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	Between 0.2 and 1.0 mm/yr <i>Comments: Weber and others (1980), Dolan (1997)</i>
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. #7951 Weber, F.H., Jr., Bennett, J.H., Chapman, R.H., Chase, G.W., and Saul, R.B., 1980, Earthquake hazards associated with the Verdugo–Eagle Rock and Benedict Canyon fault zones, Los Angeles County, California: California Division of Mines and Geology Open–File Report 80–10.

#5305 Wesnousky, S.G., 1986, Earthquakes, Quaternary faults, and seismic hazards in California: Journal of Geophysical Research, v. 91, no. B12, p. 12,587-12,631.

#8382 Yerkes, R.F., and Campbell, R.H., 2005, Preliminary geologic map of the Los Angeles 30' x 60' quadrangle, southern California: U.S. Geological Survey Open-File Report 05-1019, sheet 1, scale 1:100,000.

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