

# 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](#).

## Knights Valley fault zone (Class A) No. 517

Last Review Date: 2017-07-01

*citation for this record:* Bryant, W.A., compiler, 2017, Fault number 517, Knights Valley 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 03:07 PM.

<b>Synopsis</b>	
<b>Name comments</b>	
<b>County(s) and State(s)</b>	SONOMA COUNTY, CALIFORNIA
<b>Physiographic province(s)</b>	PACIFIC BORDER
<b>Reliability of location</b>	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).

<b>Geologic setting</b>	
<b>Length (km)</b>	15 km.
<b>Average strike</b>	
<b>Sense of movement</b>	Unspecified
<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>	Unspecified
<b>Date and Compiler(s)</b>	2017 William A. Bryant, California Geological Survey
<b>References</b>	#8202 McLaughlin, R.J., Sarna-Wojcicki, A.M., Fleck, R.J., Wright, W.H., Levin, V.R.G. and Valin, Z.C., 2004, Geology, tephrochronology, radiometric ages, and cross sections of the Mark West Springs 7.5' quadrangle, Sonoma and Napa counties, California: U.S. Geological Survey Scientific Investigations Map SIM-2858, scale 1:24,000.

[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](#)

Search...

Search

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