

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](#).

Petrified Forest thrust fault (Class A) No. 531

Last Review Date: 2017-07-01

citation for this record: Bryant, W.A., compiler, 2017, Fault number 531, Petrified Forest thrust 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 03:06 PM.

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

Geologic setting	
Length (km)	21 km.
Average strike	
Sense of movement	Reverse
Dip	
Paleoseismology studies	
Geomorphic expression	
Age of faulted surficial deposits	
Historic earthquake	
Most recent prehistoric deformation	undifferentiated Quaternary (<1.6 Ma) <i>Comments:</i>
Recurrence interval	
Slip-rate category	Unspecified
Date and Compiler(s)	2017 William A. Bryant, California Geological Survey
References	#8055 Delattre, M.P., and Gutierrez, C.I., 2013, Preliminary geologic map of the Calistoga 7.5' Quadrangle, Napa and Sonoma counties, California: A Digital Database, Version 1.0: California Geological Survey Preliminary Geologic Map, website, http://www.conservation.ca.gov/cgs/rghm/rgm/Pages/preliminary_geologic_maps ; map scale 1:24,000. #8056 Delattre, M.P., Wagner, D.L., Higgins, C.T., Witter, R.C., and Sowers, J.M., 2007, Geologic map of the Kenwood 7.5' quadrangle, Sonoma and Napa counties, California: A Digital Database, Version 1.0: California Geological Survey Preliminary Geologic Map, website, http://www.conservation.ca.gov/cgs/rghm/rgm/Pages/preliminary_geologic_maps ; map scale 1:24,000.

#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.

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