

# 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](#).

## Battle Creek fault zone (Class A) No. 20

Last Review Date: 2017-07-01

*citation for this record:* Bryant, W.A., compiler, 2017, Fault number 20, Battle Creek 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 02:23 PM.

<b>Synopsis</b>	
<b>Name comments</b>	<b>Fault ID:</b> Refers to fault number 55 of Jennings (1994).
<b>County(s) and State(s)</b>	SHASTA COUNTY, CALIFORNIA TEHAMA COUNTY, CALIFORNIA
<b>Physiographic province(s)</b>	PACIFIC BORDER CASCADE-SIERRA MOUNTAINS
<b>Reliability of location</b>	Good Compiled at 1:62,500 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 1:62,500-scale map by Helley and others (1981) and U.S. Army

	Corps of Engineers (1986) mapped at unspecified scale.
<b>Geologic setting</b>	
<b>Length (km)</b>	km.
<b>Average strike</b>	
<b>Sense of movement</b>	Normal
<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>	late Quaternary (<130 ka) <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>	#8139 Helley, E.J., Harwood, D.S., Barker, J.A., and Griffin, E.A., 1981, Geologic map of the Battle Creek fault zone and adjacent parts of the northern Sacramento Valley, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1298, 12 p., 1 plate, scale 1:62,500.  #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.

#8334 U.S. Army Corps of Engineers, 1986, Geologic and seismologic investigation Black Butte Lake, Stony Creek, California: 87 p. (unpublished).

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