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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.

Blackwater fault zone (Class A) No. 113

Last Review Date: 2017-07-05

citation for this record: **Bryant, W.A., compiler, 2017, Fault number 113, Blackwater 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 02:17 PM.**

Synopsis	
Name comments	Includes Blackwater(Jennings, 1994 fault number 370), Fossil Canyon, Owl Canyon, and Rainbow Canyon faults.
County(s) and State(s)	SAN BERNARDINO COUNTY, CALIFORNIA
Physiographic province(s)	BASIN AND RANGE
Reliability of location	Good Compiled at 1:24,000 and 1:100,000 scale. *Comments:* Location of fault from Qt_flt_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 of Bryant (1987), 1:62,500-scale map of

	Dibblee (1968), and 1:100,000-scale map of Amoroso and Miller (2012).
Geologic setting	
Length (km)	78 km.
Average strike	
Sense of movement	Right lateral
Dip Direction	V
Paleoseismology studies	
Geomorphic expression	
Age of faulted surficial deposits	
Historic earthquake	
Most recent prehistoric deformation	latest Quaternary (<15 ka) *Comments:*
Recurrence interval	
Slip-rate category	Between 0.2 and 1.0 mm/yr *Comments:* Oskin (2007)
Date and Compiler(s)	2017 William A. Bryant, California Geological Survey
References	#7954 Amoroso, L., and Miller, D.M., 2012, Surficial geologic map of the Cuddeback Lake 30' x 60' quadrangle, San Bernardino and Kern counties, California: U.S. Geological Survey Scientific Investigations Map 3107, pamphlet 31 p., map scale 1:100,000. #8000 Bryant, W.A., 1987, Recently active traces of the Harper, Blackwater, Lockhart, and related faults near Barstow, San Bernardino County, California: California Division of Mines and Geology Fault Evaluation Report 189, in Fault Evaluation

	Reports Prepared Under the Alquist-Priolo Earthquake Fault Zoning Act, Region 2 – Southern California: California Geological Survey CGS CD 2002-02 (2002). #6631 Dibblee, T.W., Jr., 1968, Geology of the Fremont Peak and Opal Mountains quadrangles, California: California Division of Mines and Geology Bulletin 188, 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.