

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](#).

Surpur Creek fault (Class A) No. 148

Last Review Date: 2017-05-15

citation for this record: Bryant, W.A., compiler, 2017, Fault number 148, Surpur Creek 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 02:50 PM.

Synopsis	
Name comments	Fault ID: Refers to fault number 18 in Jennings (1994).
County(s) and State(s)	HUMBOLDT COUNTY, CALIFORNIA DEL NORTE COUNTY, CALIFORNIA
Physiographic province(s)	PACIFIC BORDER
Reliability of location	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 Aalto and others (1981).

Geologic setting	
Length (km)	43 km.
Average strike	
Sense of movement	Reverse
Dip Direction	Unknown
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	#4897 Aalto, K.R., Cashman, P.H., Cashman, S.M., and Kelsey, H.M., 1981, Geology of the Coast Ranges, Del Norte and northern Humboldt Counties, California: Unpublished report and maps for California Division of Mines and Geology Data Base Augmentation Program, scale 1:24,000 and 1:62,500.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.

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