

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](#).

Eaton Roughs fault zone (Class A) No. 17

Last Review Date: 2017-07-01

citation for this record: Bryant, W.A., compiler, 2017, Fault number 17, Eaton Roughs 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 02:26 PM.

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| Synopsis | |
| Name comments | Fault ID: Refers to fault number 44 of Jennings (1994). |
| County(s) and State(s) | HUMBOLDT COUNTY, CALIFORNIA TRINITY COUNTY, CALIFORNIA |
| Physiographic province(s) | PACIFIC BORDER |
| Reliability of location | Good Compiled at 1:100,000 and 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 1:100,000-scale map by McLaughlin and others (2000) and 1- |

| | |
|--|---|
| | 62,500-scale maps by Kelsey and Allwardt (1987) and Aalto and others (1988). |
| Geologic setting | |
| Length (km) | 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 | 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 | #4898 Aalto, K.R., Irwin, W.P., and Kelsey, H.M., 1988, Reconnaissance geologic map of the Pilot Peak quadrangle, Humboldt and Trinity Counties, California: U.S. Geological Survey Open-File Report 88-363, 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. |

#8161 Kelsey, H.M., and Allwardt, A.O., 1987, Geology of the Iqua Buttes 15-minute quadrangle, Humboldt County, California: Division of Mines and Geology Open-File Report 87-6, scale 1:62,500.

#8200 McLaughlin, R.J., Ellen, S.D., Blake, M.C., Jr., Jayko, A.S., Irwin, W.P., Aalto, K.P., Carver, G.A. and Clarke, S.H., Jr., 2000, Geology of the Cape Mendocino, Eureka, Garberville, and southwestern part of the Hayfork 30x60 minute quadrangles and adjacent offshore area, northern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-2336, scale 1:100,000.

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