

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](#).

unnamed fault near Monida (Class A) No. 614

Last Review Date: 1993-03-17

Compiled in cooperation with the Montana
Bureau of Mines and Geology and the Idaho
Geological Survey

citation for this record: Haller, K.M., compiler, 1993, Fault number 614, unnamed fault near Monida, 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 03:02 PM.

Synopsis	No known studies have been completed at time of this compilation. Sole source of data is from earlier compilation of active faults by Witkind (1975 #320).
Name comments	Fault, as shown by Witkind (1975 #320), extends from northwest of Monida, Montana, southeastward to northeast of Humphrey, Idaho. Fault ID: Fault is shown on map of Witkind (1975 #320), but is not described and therefore has no documentation.

County(s) and State(s)	BEAVERHEAD COUNTY, MONTANA CLARK COUNTY, IDAHO
Physiographic province(s)	NORTHERN ROCKY MOUNTAINS
Reliability of location	Poor Compiled at 1:250,000 scale. <i>Comments:</i> Location is based on unpublished Dubois quadrangle (1:250,000-scale) map of Witkind. Witkind shows fault on Idaho compilation (Witkind, 1975 #320), but not on the Montana compilation (Witkind, 1975 #317).
Geologic setting	High-angle, down-to-southwest, normal fault east of I-15 in the western Centennial Range. Total offset unknown.
Length (km)	14 km.
Average strike	N58°W
Sense of movement	Normal <i>Comments:</i> (Witkind, 1975 #320)
Dip Direction	SW
Paleoseismology studies	
Geomorphic expression	
Age of faulted surficial deposits	
Historic earthquake	
Most recent prehistoric deformation	undifferentiated Quaternary (<1.6 Ma) <i>Comments:</i> Witkind (1975 #320) indicates fault is Quaternary in age. Fault shown on map of Breckenridge and others (2003 #5878) as Tertiary.
Recurrence	

interval	
Slip-rate category	Less than 0.2 mm/yr <i>Comments:</i> Low slip rate inferred due to lack of data to indicate late Quaternary slip.
Date and Compiler(s)	1993 Kathleen M. Haller, U.S. Geological Survey
References	#5878 Breckenridge, R.M., Lewis, R.S., Adema, G.W., and Weisz, D.W., 2003, Miocene and younger faults in Idaho: Idaho Geological Survey Map 8, 1 sheet, scale 1:1,000,000. #317 Witkind, I.J., 1975, Preliminary map showing known and suspected active faults in western Montana: U.S. Geological Survey Open-File Report 75-285, 36 p. pamphlet, 1 sheet, scale 1:500,000. #320 Witkind, I.J., 1975, Preliminary map showing known and suspected active faults in Idaho: U.S. Geological Survey Open-File Report 75-278, 71 p. pamphlet, 1 sheet, scale 1:500,000.

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