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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.

unnamed fault near Lidy Hot Springs (Class A) No. 611

Last Review Date: 1993-03-17

Compiled in cooperation with the Idaho Geological Survey

citation for this record: **Haller, K.M., compiler, 1993, Fault number 611, unnamed fault near Lidy Hot Springs, 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	Fault is poorly understood, no known studies have been completed at time of this compilation. Sole source of data is Witkind (1975 #320).
Name comments	Fault as shown by Witkind (1975 #320) extends from near Crooked Creek southeastward almost to Idaho State Highway 27. **Fault ID:** Refers to number 107 ("unnamed fault near Lidy Hot Springs", fault is actually on the other side of bedrock ridge from the springs) in Witkind (1975 #320).

County(s) and State(s)	CLARK COUNTY, IDAHO
Physiographic province(s)	NORTHERN ROCKY MOUNTAINS
Reliability of location	Poor Compiled at 1:500,000 scale. *Comments:* Location of fault based on 1:500,000-scale map of Witkind (1975 #320).
Geologic setting	High-angle, down-to-southwest, normal fault along south and west side of bedrock ridge in southern part of Beaverhead Mountains.
Length (km)	24 km.
Average strike	N36°W
Sense of movement	Normal *Comments:* (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) *Comments:* Witkind (1975 #320) suggested fault is probably Quaternary structure. Fault may be same as those shown in Pierce and Morgan (1990 #222) as lesser Tertiary, which includes Tertiary and early Quaternary. Fault not shown on map of Breckenridge and others (2003 #5878).
Recurrence	

interval	
Slip-rate category	Less than 0.2 mm/yr *Comments:* Low slip rate is assigned based on the lack of evidence to indicate otherwise.
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. #222 Pierce, K.L., and Morgan, L.A., 1990, The track of the Yellowstone hotspot—Volcanism, faulting, and uplift: U.S. Geological Survey Open-File Report 90-415, 68 p., 1 pl. #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.