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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.

Mountain Home Range (west side) faults (Class A) No. 2480

Last Review Date: 1999-10-01

Compiled in cooperation with the Utah Geological Survey

citation for this record: **Black, B.D., and Hecker, S., compilers, 1999, Fault number 2480, Mountain Home Range (west side) faults, 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 02:54 PM.**

Synopsis	Poorly understood Quaternary(?) faults along the western flank of the Mountain Home Range in southwestern Utah.
Name comments	Unnamed faults on the west side of Mountain Home Range. **Fault ID:** Refers to fault number 9-36 of Hecker (1993 #642).
County(s) and State(s)	BEAVER COUNTY, UTAH LINCOLN COUNTY, NEVADA MILLARD COUNTY, UTAH
Physiographic	

Physiographic province(s)	BASIN AND RANGE
Reliability of location	Poor Compiled at 1:250,000 scale. *Comments:* Fault traces from Dohrenwend and others (1991 #287).
Geologic setting	Short, generally north-trending normal faults along the west side of Mountain Home Range from Cenozoic Basin and Range extension. Mountain Home Range is in a Paleozoic center of deposition in southwestern Utah termed the Confusion Basin.
Length (km)	27 km.
Average strike	N5°W
Sense of movement	Normal
Dip Direction	W
Paleoseismology studies	
Geomorphic expression	Bedrock-alluvium contact.
Age of faulted surficial deposits	Quaternary according to Dohrenwend and others (1991 #287).
Historic earthquake	
Most recent prehistoric deformation	undifferentiated Quaternary (<1.6 Ma) *Comments:* Quaternary according to Dohrenwend and others (1991 #287).
Recurrence interval	
Slip-rate category	Less than 0.2 mm/yr
Date and Compiler(s)	1999 Bill D. Black, Utah Geological Survey Suzanne Hecker, U.S. Geological Survey

References	#287 Dohrenwend, J.C., Schell, B.A., and Moring, B.C., 1991, Reconnaissance photogeologic map of young faults in the Lund 1° by 2° quadrangle, Nevada and Utah: U.S. Geological Survey Miscellaneous Field Studies Map MF-2180, 1 sheet, scale 1:250,000. #642 Hecker, S., 1993, Quaternary tectonics of Utah with emphasis on earthquake-hazard characterization: Utah Geological Survey Bulletin 127, 157 p., 6 pls., scale 1:500,000.