

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](#).

Foote Range fault (Class A) No. 2429

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 2429, Foote Range 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 02:55 PM.

Synopsis	Poorly understood middle and late Quaternary fault in the Foote Range. The fault is characterized by a short north-trending scarp on middle to late Quaternary alluvium along the eastern side of the Snake Valley.
Name comments	Fault ID: Refers to fault number 8-11 of Hecker (1993 #642).
County(s) and State(s)	MILLARD COUNTY, UTAH
Physiographic province(s)	BASIN AND RANGE

Reliability of location	Good Compiled at 1:250,000 scale. <i>Comments:</i> Fault traces from 1:250,000-scale mapping of Ertec Western, Inc. (Schell, 1981 #2844).
Geologic setting	Short, range-front fault at the north end of the Confusion Range. The Confusion Range is the westernmost of three north-trending mountain ranges in west-central Utah, including the House and Thomas Ranges to the east. The mountains expose mainly Paleozoic sedimentary rocks. Unconsolidated deposits in Snake Valley to the west are mainly lake sediments and alluvium.
Length (km)	3 km.
Average strike	N8°E
Sense of movement	Normal
Dip Direction	W
Paleoseismology studies	
Geomorphic expression	Short north-trending scarp on alluvium along the eastern side of the Snake Valley (Schell, 1981 #2844).
Age of faulted surficial deposits	Middle to late Quaternary alluvium (Schell, 1981 #2844).
Historic earthquake	
Most recent prehistoric deformation	middle and late Quaternary (<750 ka) <i>Comments:</i>
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

#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.

#2844 Schell, B.A., 1981, Faults and lineaments in the MX Siting Region, Nevada and Utah, Volume II: Technical report to U.S. Department of [Defense] the Air Force, Norton Air Force Base, California, under Contract FO4704-80-C-0006, November 6, 1981, 29 p., 11 pls., scale 1:250,000.

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