

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](#).

Lime Mountain fault (Class A) No. 2415

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 2415, Lime Mountain 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 Quaternary(?) fault at the southern end of the Deep Creek Range.
Name comments	Fault ID: Refers to fault number 8-13 of Hecker (1993 #642).
County(s) and State(s)	JUAB COUNTY, UTAH
Physiographic province(s)	BASIN AND RANGE
Reliability of	Good

location	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	East-trending normal fault at the southern end of the Deep Creek Range west of Snake Valley. The Deep Creek Range is a north- to northeast-trending mountain range in the Basin and Range near the Utah-Nevada border. The mountains have a complex structural history, and mainly expose Precambrian metamorphic through Paleozoic sedimentary rocks with igneous intrusives. Unconsolidated deposits in Snake Valley are mainly lake deposits and alluvium.
Length (km)	6 km.
Average strike	N75°W
Sense of movement	Normal
Dip Direction	S
Paleoseismology studies	
Geomorphic expression	Bedrock scarps (Schell, 1981#2844).
Age of faulted surficial deposits	Quaternary (?) (Schell, 1981#2844).
Historic earthquake	
Most recent prehistoric deformation	undifferentiated Quaternary (<1.6 Ma) <i>Comments:</i> Based on range front and bedrock scarp morphology (Schell, 1981#2844).
Recurrence interval	
Slip-rate category	Less than 0.2 mm/yr
Date and	1999

Compiler(s)	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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