

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](#).

Clover fault zone (Class A) No. 2396

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 2396, Clover fault zone, 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 02:58 PM.

Synopsis	Poorly understood zone of late Quaternary(?) faults near Clover in western Rush Valley.
Name comments	Fault ID: Hecker's (1993 #642) fault number 7-11Refers to fault number 7-11 of Hecker (1993 #642).
County(s) and State(s)	TOOELE COUNTY, UTAH
Physiographic province(s)	BASIN AND RANGE
Reliability of	Poor

location	Compiled at 1:250,000 scale. <i>Comments:</i> Fault traces from 1:250,000-scale mapping of Barnhard and Dodge (1988 #429)
Geologic setting	Four short northwest-trending faults in western Rush Valley northeast of the Onaqui Mountains. Surficial geology of the valley is dominated by lake deposits and alluvium.
Length (km)	4 km.
Average strike	N24°W
Sense of movement	Normal
Dip Direction	NE
Paleoseismology studies	
Geomorphic expression	Northwest-trending scarps in alluvium. The scarps are modified by agricultural activities and provide no information about the estimated age of faulting.
Age of faulted surficial deposits	Late Pleistocene to Holocene(?).
Historic earthquake	
Most recent prehistoric deformation	late Quaternary (<130 ka) <i>Comments:</i> Graded profiles of streams that cross the fault zone suggest that faulting occurred more than several thousand years ago.
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

#429 Barnhard, T.P., and Dodge, R.L., 1988, Map of fault scarps formed on unconsolidated sediments, Tooele 1° x 2° quadrangle, northwestern Utah: U.S. Geological Survey Miscellaneous Field Studies Map MF-1990, 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.

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