

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 faults west of Peavine Peak (Class A) No. 1645

Last Review Date: 1999-03-25

citation for this record: Sawyer, J.E., compiler, 1999, Fault number 1645, unnamed faults west of Peavine Peak, 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 02:35 PM.

Synopsis	This short zone consists of the intermontane faults west of Peavine Peak. These faults are apparently expressed as west-facing scarps and locally juxtapose Quaternary deposits against bedrock, providing evidence for young movement. Detailed geologic mapping is the source of data. Trench investigations and detailed studies of scarp morphology have not been conducted.
Name comments	Refers to faults mapped by Bell and Garside (1987 #3605) west of Peavine Peak.
County(s) and State(s)	WASHOE COUNTY, NEVADA
Physiographic province(s)	CASCADE-SIERRA MOUNTAINS

Reliability of location	<p>Good Compiled at 1:100,000 scale.</p> <p><i>Comments:</i> Fault locations are based on 1:24,000-scale map of Bell and Garside (1987 #3605).</p>
Geologic setting	
Length (km)	6 km.
Average strike	N10°E
Sense of movement	<p>Normal</p> <p><i>Comments:</i> Not studied in detail; sense of movement is from Bell and Garside (1987 #3605).</p>
Dip Direction	W
Paleoseismology studies	
Geomorphic expression	These faults are apparently expressed as west-facing scarps and that locally juxtapose Quaternary deposits against bedrock (Bell and Garside, 1987 #3605).
Age of faulted surficial deposits	Quaternary; Mesozoic. Bell and Garside (1987 #3605) mapped faults that locally juxtapose Quaternary deposits against Mesozoic bedrock.
Historic earthquake	
Most recent prehistoric deformation	<p>undifferentiated Quaternary (<1.6 Ma)</p> <p><i>Comments:</i> Although timing of most recent event is not well constrained, a Quaternary time is suggested based on mapping by Bell and Garside (1987 #3605).</p>
Recurrence interval	
Slip-rate category	<p>Less than 0.2 mm/yr</p> <p><i>Comments:</i> Not studied in detail. A low slip rate is inferred from general knowledge of slip rates estimated for other faults in the region.</p>

Date and Compiler(s)	1999 Janet E. Sawyer, Piedmont Geosciences, Inc.
References	#3605 Bell, J.W., and Garside, L.J., 1987, Geologic map Verdi quadrangle: Nevada Bureau of Mines and Geology Map 4Gg, scale 1:24,000.

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