

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 southeast of Fivemile Flat (Class A) No. 1487

Last Review Date: 1998-07-19

citation for this record: Sawyer, T.L., compiler, 1998, Fault number 1487, unnamed faults southeast of Fivemile Flat, 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 02:50 PM.

Synopsis	Little is know about these two seemingly isolated subparallel fault scarps southeast of Fivemile Flat.
Name comments	Refers to faults mapped by Slemmons (1966, unpublished Vya 1? X 2? sheet) southeast of Fivemile Flat. Fault ID: Refers to part of fault V18 of dePolo (1998 #2845).
County(s) and State(s)	HUMBOLDT COUNTY, NEVADA
Physiographic province(s)	BASIN AND RANGE
Reliability of location	Good Compiled at 1:100,000 scale.

	<i>Comments:</i> Based on mapping by Slemmons (1966, unpublished Vya 1? X 2? sheet) which is from analysis of 1:60,000-scale AMS photography transferred to mylar overlaid onto a 1:250,000-scale topographic map using proportional dividers.
Geologic setting	Two seemingly isolated young scarps that are formed on piedmont surface of the southeastern part of Fivemile Flat.
Length (km)	1 km.
Average strike	N31°E
Sense of movement	Normal
Dip Direction	NW
Paleoseismology studies	
Geomorphic expression	Slemmons (1966, unpublished Vya 1? X 2? sheet) indicates that the two scarps are on piedmont-slope deposits, which provide evidence for young movement.
Age of faulted surficial deposits	Latest Quaternary(?) based on Slemmons (1966, unpublished Vya 1? X 2? sheet)
Historic earthquake	
Most recent prehistoric deformation	latest Quaternary (<15 ka) <i>Comments:</i> The timing of most recent event is not well constrained and the two map sources differ greatly. Slemmons (1966, unpublished Vya 1? X 2? sheet) reported a few short scarps in Fivemile Flat that may indicate a latest Quaternary time. However, Dohrenwend and Moring (1991 #281) do not map any scarps in this location. Age assignment is highly suspect.
Recurrence interval	
Slip-rate category	Less than 0.2 mm/yr <i>Comments:</i> A low slip rate is inferred from general knowledge of

	slip rates estimated for other faults in the region.
Date and Compiler(s)	1998 Thomas L. Sawyer, Piedmont Geosciences, Inc.
References	#281 Dohrenwend, J.C., and Moring, B.C., 1991, Reconnaissance photogeologic map of young faults in the Vya 1° by 2° quadrangle, Nevada, Oregon, and California: U.S. Geological Survey Miscellaneous Field Studies Map MF-2174, 1 sheet, scale 1:250,000.

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