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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.

Aquarius and Awapa Plateaus faults (Class A) No. 2505

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 2505, Aquarius and Awapa Plateaus faults, 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(?) faults in the Aquarius and Awapa Plateaus.
Name comments	**Fault ID:** Refers to fault number 14-2 in Hecker (1993 #642).
County(s) and State(s)	GARFIELD COUNTY, UTAH PIUTE COUNTY, UTAH WAYNE COUNTY, UTAH
Physiographic	COLORADO PLATEAUS

province(s)	COLORADO PLATEAUS
Reliability of location	Good Compiled at 1:250,000 scale. *Comments:* Mapped or discussed by Williams and Hackman (1971 #4578) and Luedke and Smith (1978 #4579). Fault traces from 1:250,000-scale mapping of Williams (1964 #2789) and Williams and Hackman (1971 #4578).
Geologic setting	Diffuse area of normal faulting in Tertiary and Quaternary volcanic rocks in the Aquarius and Awapa Plateaus near the eastern boundary of the Basin and Range province.
Length (km)	55 km.
Average strike	N19°E
Sense of movement	Normal
Dip Direction	W
Paleoseismology studies	
Geomorphic expression	Faults displace or define the margins of Tertiary to Quaternary (<5 Ma) basalts.
Age of faulted surficial deposits	Quaternary(?)
Historic earthquake	
Most recent prehistoric deformation	undifferentiated Quaternary (<1.6 Ma) *Comments:*
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. #4579 Luedke, R.G., and Smith, R.L., 1978, Map showing distribution, composition, and age of late Cenozoic volcanic centers in Colorado, Utah, and southwestern Wyoming: U.S. Geological Survey Miscellaneous Investigations Map I-1091-B, scale 1:1,000,000. #2789 Williams, P.L., 1964, Geology, structure, and uranium deposits of the Moab quadrangle, Colorado and Utah: U.S. Geological Survey Miscellaneous Geologic Investigations I-360. #4578 Williams, P.L., and Hackman, R.J., 1971, Geology, structure, and uranium deposits of the Salina quadrangle, Utah: U.S. Geological Survey Miscellaneous Investigations Map I-591, scale 1:250,000.