

# 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](#).

## Rattlesnake Mountain fault zone (Class B) No. 539

Last Review Date: 2017-08-18

*citation for this record:* , compiler, 2017, Fault number 539, Rattlesnake Mountain 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 03:06 PM.

<b>Synopsis</b>	
<b>Name comments</b>	
<b>County(s) and State(s)</b>	KING COUNTY, WASHINGTON
<b>Physiographic province(s)</b>	CASCADE-SIERRA MOUNTAINS PACIFIC BORDER RANGES
<b>Reliability of location</b>	Good Compiled at 1:24,000 scale.  <i>Comments:</i> Location of fault from GER_Seismogenic_WGS84 ( <a href="http://www.dnr.wa.gov/publications/ger_portal_seismogenic_features.zip">http://www.dnr.wa.gov/publications/ger_portal_seismogenic_features.zip</a> ,

	downloaded 05/23/2016) attributed to Dragovich and others (2009 #7598, 2010 #7947).
<b>Geologic setting</b>	
<b>Length (km)</b>	57 km.
<b>Average strike</b>	
<b>Sense of movement</b>	
<b>Dip Direction</b>	V; NE
<b>Paleoseismology studies</b>	
<b>Geomorphic expression</b>	
<b>Age of faulted surficial deposits</b>	
<b>Historic earthquake</b>	
<b>Most recent prehistoric deformation</b>	Unspecified <i>Comments:</i>
<b>Recurrence interval</b>	
<b>Slip-rate category</b>	Insufficient data
<b>Date and Compiler(s)</b>	2017
<b>References</b>	#8537 Bruhn, R.L., 1981, Preliminary analysis of deformation in part of the Yakima fold belt— South-central Washington: unpublished report, 28 p.  #7947 Dragovich, J.D., Anderson, M.L., MacDonald, J.H., Jr., Mahan, S.A., DuFrane, S. A., Littke, H.A., Wessel, G.R., Saltonstall, J.H., Koger, C.J., Cakir, R., 2010, Supplement to the geologic map of the Carnation 7.5-minute quadrangle, King County, Washington— Geochronologic, geochemical, point count, geophysical, earthquake, fault, and neotectonic data: Washington Division of Geology and Earth Resources Open File Report 2010-2, 1 CD-ROM, 42 p. text.

#7598 Dragovich, J.D., Littke, H.A., Anderson, M.L., Hartog, R., Wessel, G.R., DuFrane, S.A., Walsh, T.J., MacDonald, J.H., Jr., Mangano, J.F., and Cakir, R., 2009, Geologic map of the Snoqualmie 7.5-minute quadrangle, King County, Washington: Washington Division of Geology and Earth Resources, Geologic Map GM-75, 2 sheets, scale 1:24,000, [http://www.dnr.wa.gov/Publications/ger\\_gm75\\_geol\\_map\\_snoqualmie\\_24k.zip](http://www.dnr.wa.gov/Publications/ger_gm75_geol_map_snoqualmie_24k.zip).

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