

# 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](#).

## Lucky Dog fault (Class A) No. 545

Last Review Date: 2017-07-01

*citation for this record:* , compiler, 2017, Fault number 545, Lucky Dog fault, 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 03:05 PM.

<b>Synopsis</b>	
<b>Name comments</b>	
<b>County(s) and State(s)</b>	MASON COUNTY, WASHINGTON
<b>Physiographic province(s)</b>	PACIFIC BORDER
<b>Reliability of location</b>	Good Compiled at 1:24,000 scale.  <i>Comments:</i> WA attributed to 1:24,000-scale map by Polenz and others (2010).
<b>Geologic setting</b>	

<b>Length (km)</b>	6 km.
<b>Average strike</b>	
<b>Sense of movement</b>	Reverse
<b>Dip Direction</b>	S
<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>	latest Quaternary (<15 ka) <i>Comments:</i>
<b>Recurrence interval</b>	
<b>Slip-rate category</b>	Unspecified
<b>Date and Compiler(s)</b>	2017
<b>References</b>	#7614 Polenz, M., Czajkowski, J.L., Paulin, G.L., Contreras, T.A., Miller, B.A., Martin, M.E., Walsh, T.J., Logan, R.L., Carson, R.J., Johnson, C.N., Skov, R.H., Mahan, S.A., and Cohan, C.R., 2010, Geologic map of the Skokomish Valley and Union 7.5-minute quadrangles, Mason County, Washington: Washington Division of Geology and Earth Resources, Open File Report 2010-3, scale 1:24,000.

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