

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](#).

Upper Long Valley fault zone (Class A) No. 194

Last Review Date: 2017-05-15

citation for this record: Bryant, W.A., compiler, 2017, Fault number 194, Upper Long Valley 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 02:25 PM.

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| Synopsis | |
| Name comments | Fault ID: Refers to fault numbers 64, 65, and 99A of Jennings (1994). |
| County(s) and State(s) | LASSEN COUNTY, CALIFORNIA SIERRA COUNTY, CALIFORNIA |
| Physiographic province(s) | CASCADE-SIERRA MOUNTAINS BASIN AND RANGE |
| Reliability of location | Good Compiled at 1:62,500 scale. <i>Comments:</i> Location of fault from Qt_ft_ver_3-0_Final_WGS84_polyline.shp (Bryant, W.A., written communication to K.Haller, August 15, 2017) attributed to 1:62,500-scale maps by Grose (2000) and Grose and Mergner |

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| | (2000). |
| Geologic setting | |
| Length (km) | 51 km. |
| Average strike | |
| Sense of movement | Unspecified |
| Dip | |
| Paleoseismology studies | |
| Geomorphic expression | |
| Age of faulted surficial deposits | |
| Historic earthquake | |
| Most recent prehistoric deformation | latest Quaternary (<15 ka) <i>Comments:</i> |
| Recurrence interval | |
| Slip-rate category | Unspecified |
| Date and Compiler(s) | 2017 William A. Bryant, California Geological Survey |
| References | #8386 Grose, T.L.T., 2000, Geologic map of the Loyalton 15' quadrangle, Lassen, Plumas, and Sierra counties, California: California Division of Mines and Geology Open-File Report OFR 00-25, map scale 1:62,500. #8109 Grose, T.L.T. and Mergner, M., 2000, Geologic map of the Chilcoot 15' quadrangle, Lassen and Plumas counties, California: California Division of Mines and Geology Open-File Report OFR 00-23, map scale 1:62,500. #2878 Jennings, C.W., 1994, Fault activity map of California and |

adjacent areas, with locations of recent volcanic eruptions:
California Division of Mines and Geology Geologic Data Map 6,
92 p., 2 pls., scale 1:750,000.

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