

Earthquake: 1983 Borah Peak, Idaho; magnitude 7.3

7 **File #:** P1983073 **In File:** C8x10;digital file **Permission:** No restrictions. Please credit source.

Brief Description: Lost Springs fault scarp, ancient and new, Borah Peak in background

Credit: Photo courtesy of A. J. Crone, U.S. Geological Survey, Denver, CO.

Earthquakes in the Intermountain West are a mountain-building process as rock moves vertically along a fault. Earthquakes typically occur repeatedly along the same faults. Arrows in this photo point out the new fault scarp face (~9 feet tall) created in the 1983 Borah Peak, ID earthquake. It is superimposed on an ancient fault scarp (vegetated, beveled area immediately above new scarp).
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8 **File #:** P1983076 **In File:** Color 3x5; digital file **Permission:** No restrictions. Source should be credited.

Brief Description: Elk hunter walking out of earthquake area; Heard Lake, ID

Credit: Photo courtesy of Bill Barnes, Healdsburg, CA

Two friends were elk hunting in the epicentral area when the earthquake occurred. Rock fall and road damage made driving out impossible. They hiked 5 miles to Heard Lake where a ranger was looking for them.
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9 **File #:** P1983078 **In File:** BW8x10; no digital file **Permission:** Reprint only with permission from the Ogden Standard Examiner.

Brief Description: Close view of damaged chimney on the old Challis High School; Challis, ID

Credit: Photo courtesy of the Ogden Standard Examiner, Ogden, Utah.

This close-up of the chimney on the back of the old Challis High School reveals enlarged mortar seam cracks. Similar cracks occurred in the west exterior wall. [USGS Open File Report 84-166, p.29]
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10 **File #:** P1983079 **In File:** BW8x10; no digital file **Permission:** Reprint only with permission from the Ogden Standard Examiner.

Brief Description: Severely damaged Custer Hotel next to undamaged wood-frame house; Mackay, ID

Credit: Photo courtesy of the Ogden Standard Examiner, Ogden, Utah.

Information below is quoted from USGS Open File Report 84-166, p. 46.

Custer Hotel (north side of West Main): This three-story, brick building with a movie house at street level was built in 1915. The building was severely damaged by the partial collapse of the front and side walls. The chimney, on the east side of the Hotel, partially collapsed due to the collapse of the building wall. At the rear and on top of the Hotel, a 8- to 10-foot brick chimney remained standing. From our ground angle, the chimney appeared to be undamaged. The hotel was reported to have been vacant for the past 20 years.

Lundberg Residence (north side of West Main): This residence was located immediately west of the Custer Hotel. It was a two-story, wood-frame structure with plaster insets (on lath strips) adorning the exterior wall. These plaster insets were not cracked. The home was built in 1910. According to Mrs. Lundberg, the inside of the house was not damaged. A few knick-knacks and some china dishes fell from shelves. The house had three brick chimneys. The chimney at the front of the house, was reported to have twisted counter-clockwise about 15 degrees. The other two chimneys showed little damage. The wooden utility house, on the east side of the residence, was damaged by falling bricks from the Hotel.

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11 **File #:** P1983080 **In File:** BW8x10; no digital file **Permission:** Reprint only with permission from the Ogden Standard Examiner.

Brief Description: Perk's Bar and Ken's Club; Mackay, ID

Credit: Photo by Dave LaBelle
Courtesy of the Ogden Standard Examiner, Ogden, Utah.

Perks Bar, located on the north side of Main Street in Mackay, Idaho, suffered partial collapse of its south wall. The exterior building walls of Ken's Club showed no evidence of damage according to a USGS Open File Report 84-166, p. 45.
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