\*Earthquakes of magnitude 6.0 or greater are designated by a number and described in Table 2.

----- Faults—Dashed where approximately located

Syncline—Showing axial trace

Monocline—Showing axial trace

\*Hocket Susame: 1990, Quaternary Tectorics of Utah: Utah Geological and Mineral Survey Open-File Report (in press), scale ± 500,000. Modified by the Geologic Group, Branch of Geologic Risk Assessment, U.S. Geological Survey, Golden, Colorado.

→ Anticline—Showing axial trace and direction of plunge

USGS

Epicenter Locality and Date<sup>2</sup>

<sup>1</sup>Arabasz, W. J., Smith, R. B., and Richins, W. D., eds., 1979, Earthquake Studies in Utah, 1850 to 1978: Salt Lake City, Utah, University of Utah Seismograph Stations special publication, 552 p.

\*Dutes in table refer to local time.

Bear Lake Valley (Idaho-Utah border) earthquake of November 9, 1884

2 Southern Utah (Richfield) earthquake of November 13, 1901

7 Hansel Valley (Kosmo), Utah, earthquake of March 12, 1934 8 Hansel Valley (Kosmo), Utah, aftershock of March 12, 1934

4 Northwestern Utah (Hansel Valley) earthquake of October 5, 1909

3 Pine Valley, Utah, earthquake of November 17, 1902

5 Elsinore, Utah, earthquake of September 29, 1921 6 Elsinore, Utah, earthquake of October 1, 1921

magnitude 6.1 Pocatello Valley, Idaho, earthquake of March 28, 1975, produced strong shaking in Utah. The epicenter of this shock was several kilometers north of Utah's border within Idaho, at latitude 42°4'N, Ion-

The accuracy of epicentral parameters of earthquakes that occurred since the mid-1970s is greater than that of earlier earthquakes because a major expansion of the University of Utah seismograph network took place at this time. Earthquakes that occurred since 1975 are distinguished on this map from earlier events by the intensity of color of the epicentral symbol, as indicated at left.

gitude 112°31'W.

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