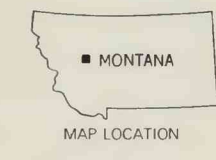
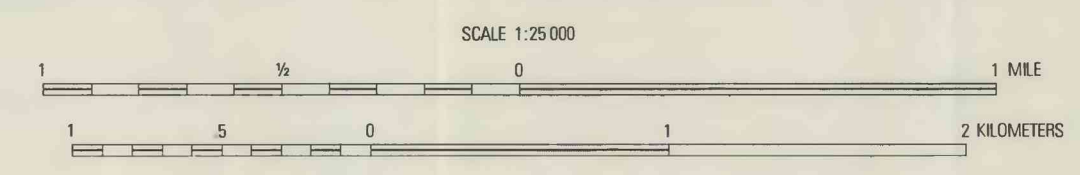
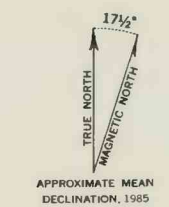


- EXPLANATION**
- SURFICIAL DEPOSITS**
- AF ARTIFICIAL FILL
 - PT PLACER TAILINGS
 - SD STREAM DEPOSITS
 - SW SLOPE WASH
 - OG OLDER GRAVEL
 - OSL OLDER STREAM AND LAKE DEPOSITS
- BEDROCK**
- SB SEDIMENTARY BEDROCK
 - PB PLUTONIC BEDROCK
- APPROXIMATE CONTACT BETWEEN UNITS
- - - - - INFERRED CONTACT BETWEEN OLDER STREAM AND LAKE DEPOSITS (OSL) AND BEDROCK (SB, PB) BENEATH COVER OF YOUNGER SURFICIAL DEPOSITS
- - - - - STRIKE-SLIP FAULT—Arrows show inferred relative direction of horizontal movement. Dotted where concealed; queried where location uncertain
- - - - - NORMAL FAULT—Dotted where concealed; U, upthrown side; D, downthrown side; queried where location is uncertain
- BUILDING DAMAGE IN EARTHQUAKE OF 1935**—Source of data: Ulrich (1936, figs. 10 and 11); Anderson and Martinson (1936)
- Houses and small mercantile and public buildings having intermediate damage
 - Houses and small mercantile and public buildings having more than 50 percent damage
 - ⑥ Large mercantile and public buildings having more than 50 percent damage 1, Kessler Brewery; 2, Transient Building, State Fairground; 3, County Hospital; 4, St. Joseph Orphan Home; 5, State Arsenal; 6, Helena High School; 7, National Biscuit Company; 8, Bryant School; 9, Intermountain Union College (two buildings); 10, City Hall

Base modified from Urban Area Plot of Helena, Montana; Department of Highways, July 1976



Geology by R. G. Schmidt, 1975-76, assisted by W. R. Trojan, 1975, and D. G. Waggoner, 1976; and from Knopf (1963)

MAP OF HELENA, MONTANA, SHOWING DISTRIBUTION OF SURFICIAL DEPOSITS AND BEDROCK, TRACES OF GEOLOGIC FAULTS, AND LOCATION OF BUILDINGS HEAVILY DAMAGED IN THE EARTHQUAKE OF 1935