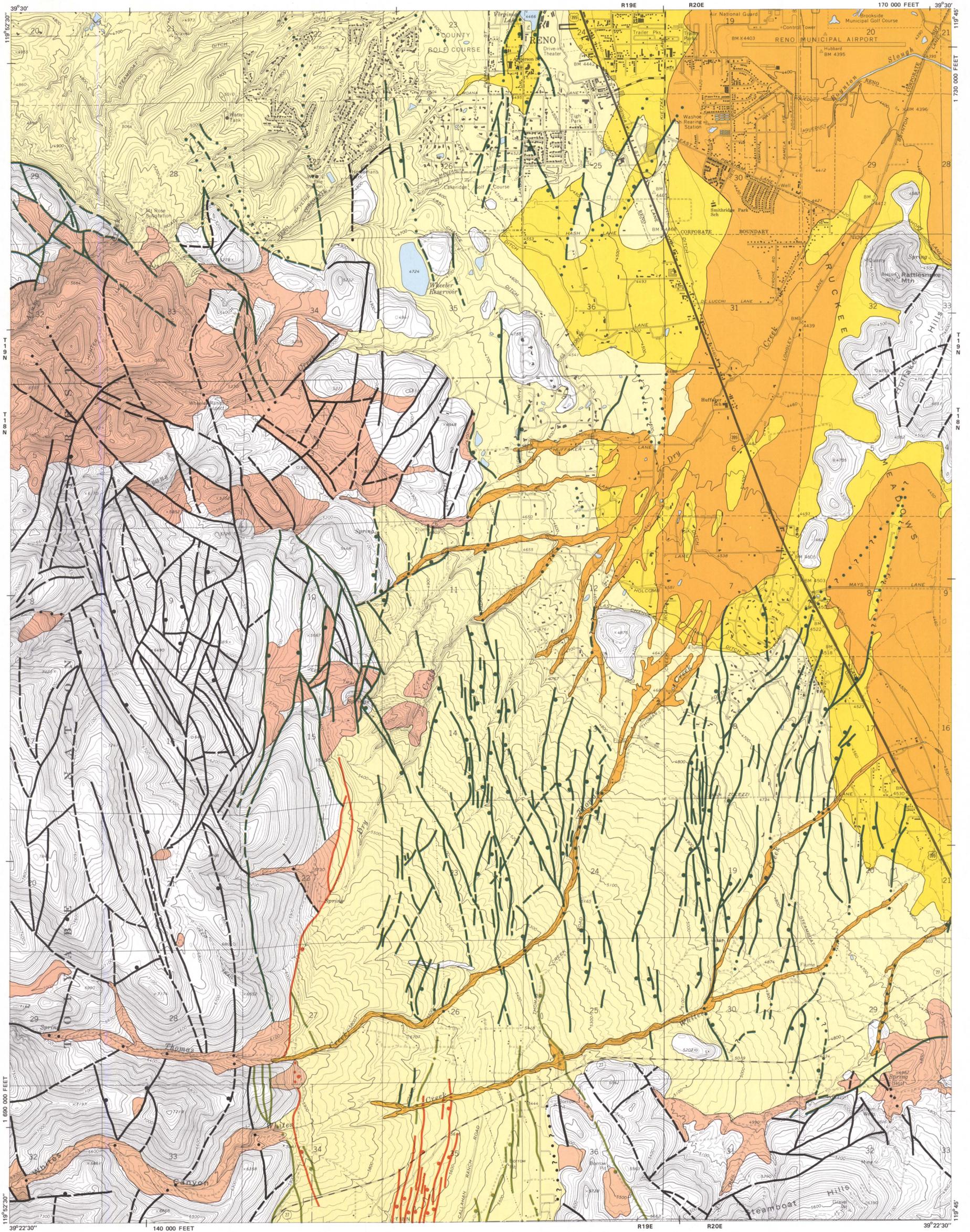
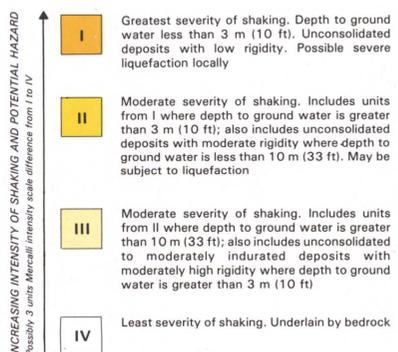


MT
ROSE
NE
QUAD

EARTHQUAKE
HAZARDS

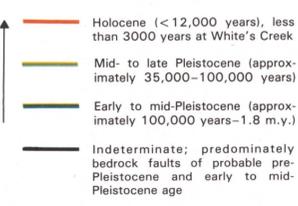


POTENTIAL FOR GROUND SHAKING DURING EARTHQUAKES



V Variable severity of shaking. Includes undifferentiated sand and sinter in Steamboat Hills; alluvial fan and older fan deposits; Donner Lake and Tahoe Outwashes and pediment gravels where they overlie bedrock; landslide deposits in bedrock and sandstone of Hunter Creek and Donner Lake Outwash; and hydrothermally altered (to depths of 15-30 m [49-98 ft]) volcanics of the Kate Peak Formation

POTENTIAL FOR SURFACE RUPTURE



Note: Extensive trenching would be required to determine the age of the most recent movement on each fault; however, this was impractical given the large number of faults in the quadrangle and the time constraints of this study. Therefore, recent fault movements are not precluded in the categories above. Ages shown are based on geomorphic, soil, and geologic evidence (in the absence of trenching data).

Fault. Ball on downthrown side; dashed where approximately located; queried where presence uncertain; dotted where concealed

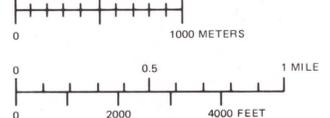
Gail Cordy Szecsody, 1983

Assisted by Michael R. Nichol

Geology from Bonham and Rogers (1983) Geologic map, Mount Rose NE quadrangle; Nevada Bureau of Mines and Geology Map 48g.

Depth to ground water based on geotechnical borings, regional ground-water elevations from Cohen and Loeltz (1964), and unpublished data of the U.S. Geological Survey, Sierra Pacific Power Company, and Nevada Bureau of Mines and Geology.

Scale 1:24,000



CONTOUR INTERVAL 20 FEET
DOTTED LINES ARE 10-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

Topographic base from U.S. Geological Survey Mt. Rose NE 7 1/2' quadrangle, 1969
Cartography by Larry Jacox

Research for this map supported by U.S. Geological Survey Earthquake Hazards Reduction Grant No. 14-08-0001-19823
NEVADA BUREAU OF MINES AND GEOLOGY UNIVERSITY OF NEVADA RENO RENO, NEVADA 89557-0088 ORDER MAP NO. 481

The hazards shown on this map are based upon data currently available. Shaking characteristics are inferred from interpretations of geologic, seismic velocity, soils engineering, and ground-water information. Surface rupture potentials are inferred from generalized geologic and soils (weathering profile) information.

These data are intended to be used only as a generalized guide and will be subject to change as more data become available.

Assessment of seismic hazard potential for individual sites must be based upon detailed engineering and seismic studies; such assessments should not be inferred from this map.