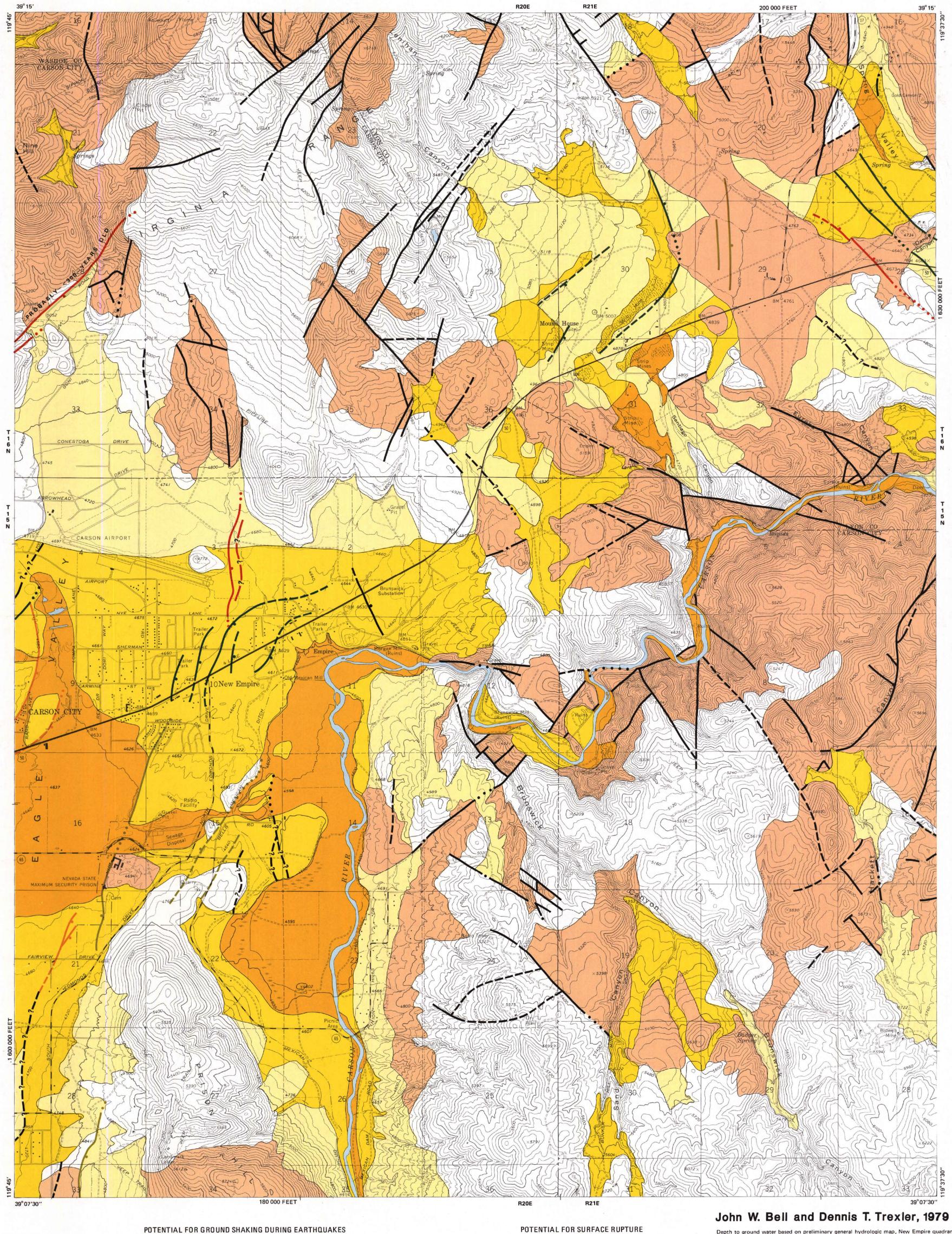
R

E

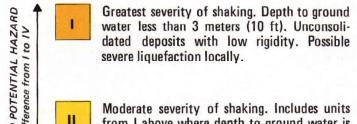


The hazards shown on this map are based upon current data available. Shaking characteristics are inferred from interpretations of geologic, seismic velocity, soils engineering, and ground-water information. Surface rupture potentials are inferred from generalized geologic and soils (weathering profile)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





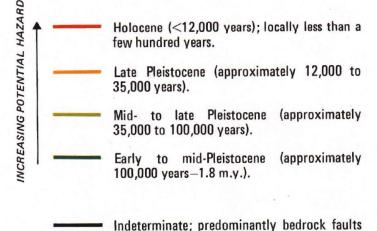
Moderate severity of shaking. Includes units from I above where depth to ground water is greater than 3 meters (10 ft), also includes unconsolidated deposits, with moderate rigidity where depth to ground water is less than 10 meters (33 ft).

Moderate severity of shaking. Includes uncon-solidated deposits with moderate rigidity where depth to ground water is greater than 10 meters (33 ft).

Least severity of shaking. Underlain by bed-

rock.

Variable severity of shaking. Includes older fan deposits, alluvial deposits of Spring Valley, granodiorite, which ranges in degree and depth of weathering, and Tertiary ashflow tuffs, which exhibit various degrees of alteration, welding and fracture spacing.

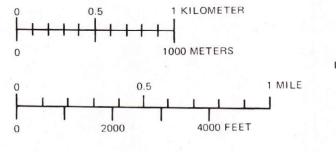


Indeterminate; predominantly bedrock faults with last probable movement of pre-Pleistocene age.

-? - Questionable fault.

Fault. Dotted where concealed; dashed where approximately located. Ball on downthrown

Depth to ground water based on preliminary general hydrologic map, New Empire quadrangle (T. Katzer, written commun., 1979). Geology from Bingler (1977) Geologic map, New Empire quadrangle, Nevada Bureau of Mines and Geology Map 59. Research for this map supported in part by U. S. Geological Survey Earthquake Hazards Reduction Grant No. 14-08-0001-G-494. Scale 1:24,000



CONTOUR INTERVAL 40 FEET DOTTED LINES ARE 20-FOOT CONTOURS DATUM IS MEAN SEA LEVEL

Topographic base from U.S. Geological Survey New Empire 7½' quadrangle, 1968

Cartography by Susan L. Nichols

NEVADA BUREAU OF MINES AND GEOLOGY UNIVERSITY OF NEVADA RENO, NEVADA 89557 ORDER MAP NO. 1BI — NEW MAP NO. 1BI