ENVIRONMENTAL SERIES ✧ RENO AREA

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EARTHQUAKE HAZARDS MAP

RENO FOLIO

This map depicts the distribution and relative age of fault traces, and the distribution of bedrock types, classified according to the inferred seismic response. Categories of potential response to seismic shaking are intended to be generalized, and are inferred from the known geologic properties of formations within the quadrangle. 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.

POTENTIAL FOR INFERRED SEISMIC SHAKING

Minimum ↑

- Relatively stable bedrock areas. Includes local, small areas of alluvial and colluvial deposits. Subject to minor rock falls and landslide activity in areas of high relief.
- Moderately stable, semi-lithified alluvial fan deposits. Subject to minor slumping and rock falls on vertical or near-vertical cuts or natural embankments.
- Potentially unstable, unconsolidated outwash deposits. Subject to pronounced slumping and ground disturbance along steep cuts or embankments. Locally may manifest amplified ground motion during a major seismic event.
- Potentially liquifiable fine sand and silt. Possibly severe ground motion and surface dislocation, especially in areas of ground-water discharge or water-saturated conditions.

↓ Maximum

Darker colored borders indicate the wedge edges of deposits shown, and denote areas of possible seismic amplification due to the change in thickness of a sedimentary unit.

FAULT TRACES	INFERRED MAXIMUM AGE SINCE LAST MOVEMENT
	Holocene
	Post-Wisconsin
	Post-Illinoian
	Early to Middle Quaternary
	Post-Tertiary
	Not assigned

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By E. C. Bingler, 1974

1 INCH EQUALS 2000 FEET

0 — 0.5 — 1 MILE

0 — 2000 — 4000 FEET

0 — 0.5 — 1 KILOMETER

0 — 1000 METERS

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

Topographic base from U. S. Geological Survey Reno 7½′ quadrangle, 1967

Cartography by Susan L. Nichols

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