EXPLANATION

- **Ground-failure site**—Number refers to table. Solid black dot shows mapped location. Sites having a number and symbols but without a solid black dot connote broader areas to which observations pertain; approximate extent of observations is described in text
- **Lateral Spread**
- **Ground settlement**
- **Sand boil**
- **Area exceeding 400 m on a side that contains numerous sand boils**
- **Cracks in streets (new or reactivitated) or cracks in ground**
- **Pipeline break**
- **Disturbed wells**
- **Miscellaneous effects**
- **Ground cracks not clearly associated with landslides, lateral spreads, settlement, or primary fault movements**
- **Arrows show approximate extent of area affected**
- **Absence of ground failure noted**

Base from U.S. Geological Survey, 1:100,000, San Jose, 1978; Palo Alto, 1982, Monterey, 1983
Universal Transverse Mercator projection

APPROXIMATE MEAN DECLINATION, 1998

SCALE 1:100 000

INTERIOR—GEOLOGICAL SURVEY, RESTON, VA—1998

MAP SHOWING LOCATIONS OF LIQUEFACTION AND ASSOCIATED GROUND-FAILURE EFFECTS RELATED TO THE LOMA PRIETA EARTHQUAKE, CALIFORNIA, OF OCTOBER 17, 1989—SOUTHERN PART

By

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1998

Holzer, Thomas L., 1998, The Loma Prieta, California, earthquake of October 17, 1989—Liquefaction: U.S. Geological Survey Professional Paper 1551-B

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