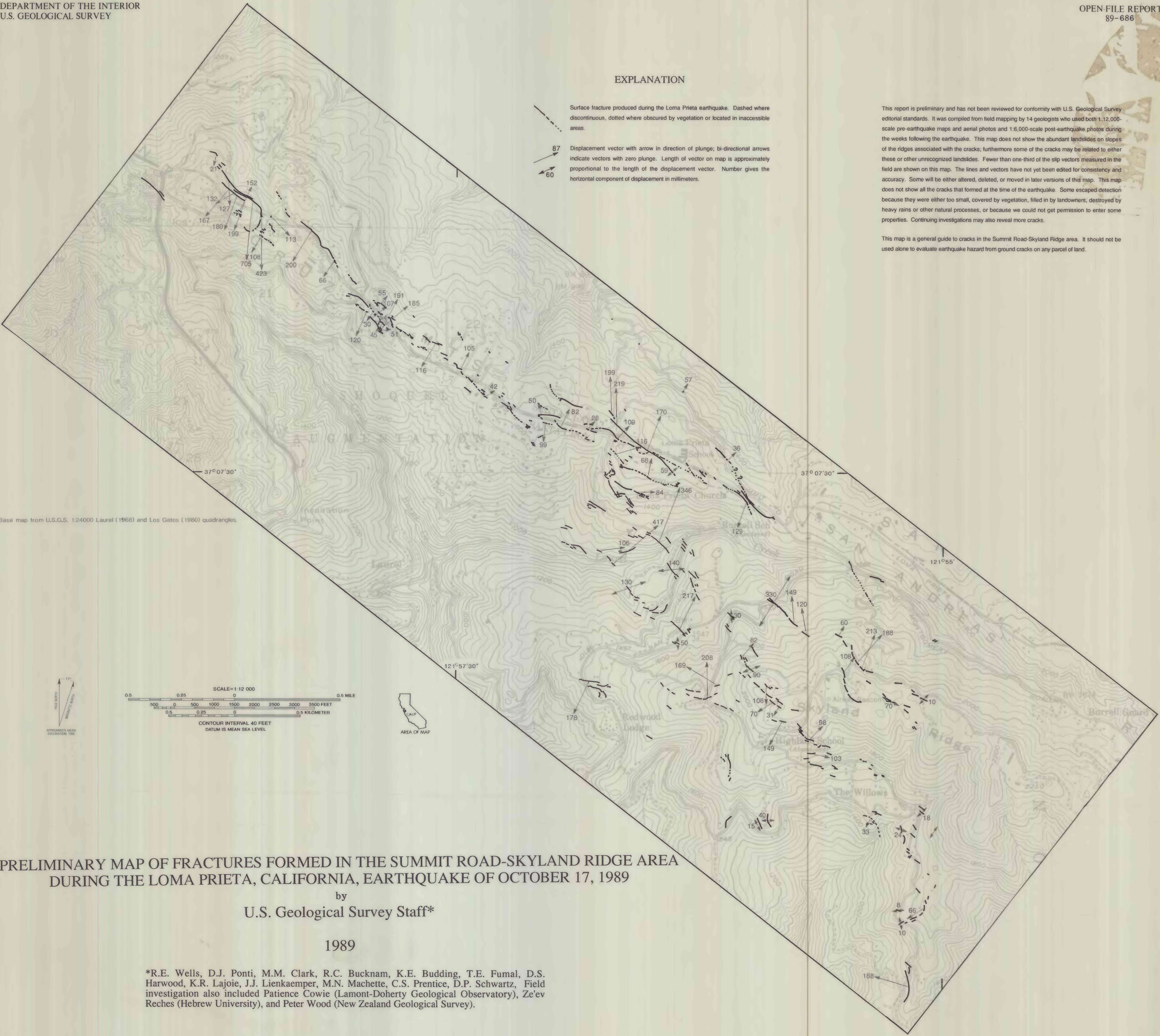


EXPLANATION

- Surface fracture produced during the Loma Prieta earthquake. Dashed where discontinuous, dotted where obscured by vegetation or located in inaccessible areas.
- 87
60
- Displacement vector with arrow in direction of plunge; bi-directional arrows indicate vectors with zero plunge. Length of vector on map is approximately proportional to the length of the displacement vector. Number gives the horizontal component of displacement in millimeters.

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards. It was compiled from field mapping by 14 geologists who used both 1:12,000-scale pre-earthquake maps and aerial photos and 1:6,000-scale post-earthquake photos during the weeks following the earthquake. This map does not show the abundant landslides on slopes of the ridges associated with the cracks; furthermore some of the cracks may be related to either these or other unrecognized landslides. Fewer than one-third of the slip vectors measured in the field are shown on this map. The lines and vectors have not yet been edited for consistency and accuracy. Some will be either altered, deleted, or moved in later versions of this map. This map does not show all the cracks that formed at the time of the earthquake. Some escaped detection because they were either too small, covered by vegetation, filled in by landowners, destroyed by heavy rains or other natural processes, or because we could not get permission to enter some properties. Continuing investigations may also reveal more cracks.

This map is a general guide to cracks in the Summit Road-Skyland Ridge area. It should not be used alone to evaluate earthquake hazard from ground cracks on any parcel of land.



PRELIMINARY MAP OF FRACTURES FORMED IN THE SUMMIT ROAD-SKYLAND RIDGE AREA
DURING THE LOMA PRIETA, CALIFORNIA, EARTHQUAKE OF OCTOBER 17, 1989

by
U.S. Geological Survey Staff*

1989

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