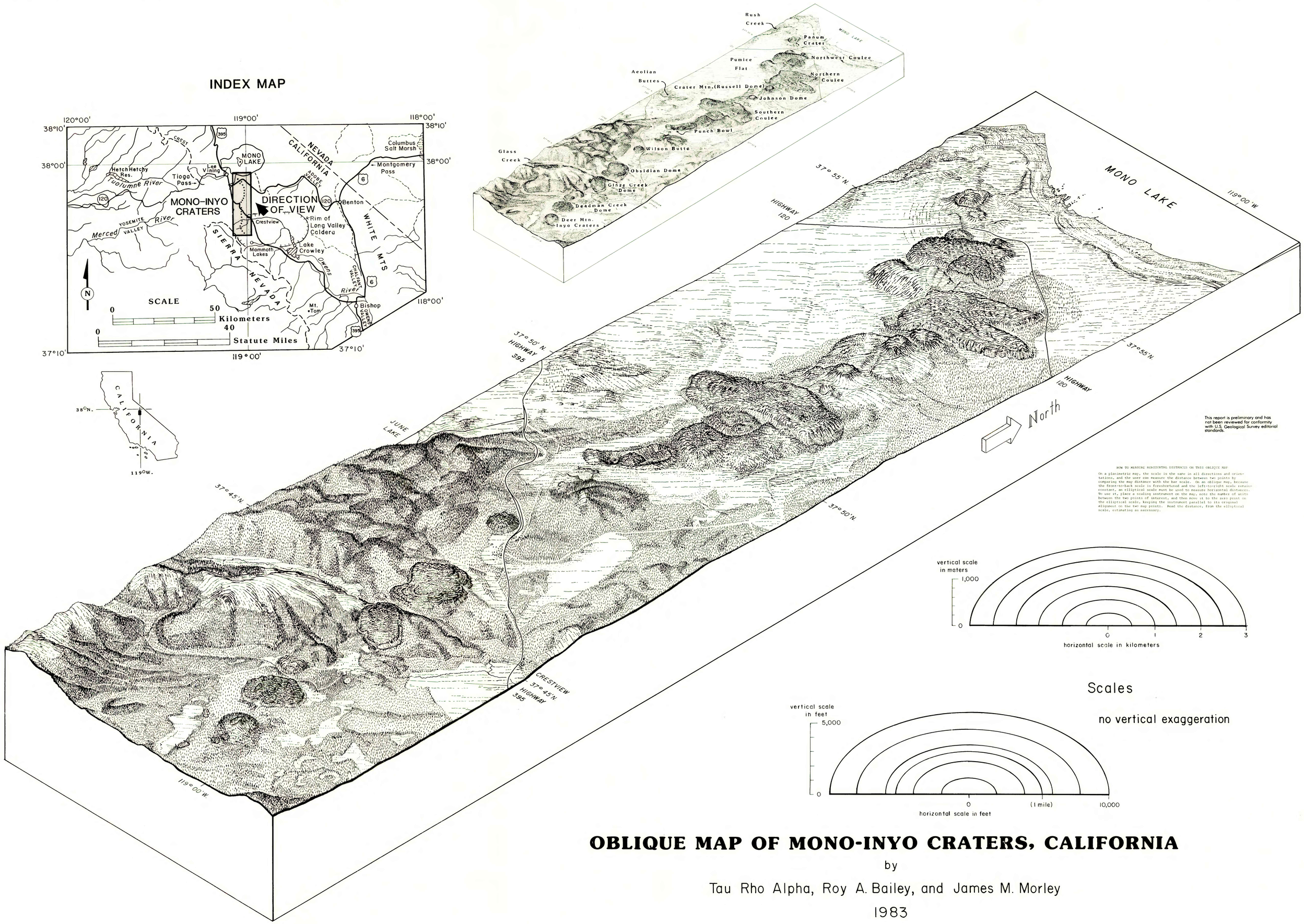
OPEN FILE REPORT
83-230

INDEX MAP



This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards.

HOW TO MEASURE HORIZONTAL DISTANCES ON THIS OBLIQUE MAP

On a planimetric map, the scale is the same in all directions and orientations, and the user can measure the distance between two points by comparing the map distance with the bar scale. On an oblique map, because the front-to-back scale is foreshortened and the left-to-right scale remains constant, an elliptical scale must be used to measure horizontal distances. To use it, place a scaling instrument on the map, note the number of units between the two points of interest, and then move it to the zero point on the elliptical scale, keeping the instrument parallel to its original alignment on the two map points. Read the distance, from the elliptical scale, estimating as necessary.

Scales

no vertical exaggeration

OBLIQUE MAP OF MONO-INYO CRATERS, CALIFORNIA

by

Tau Rho Alpha, Roy A. Bailey, and James M. Morley

1983