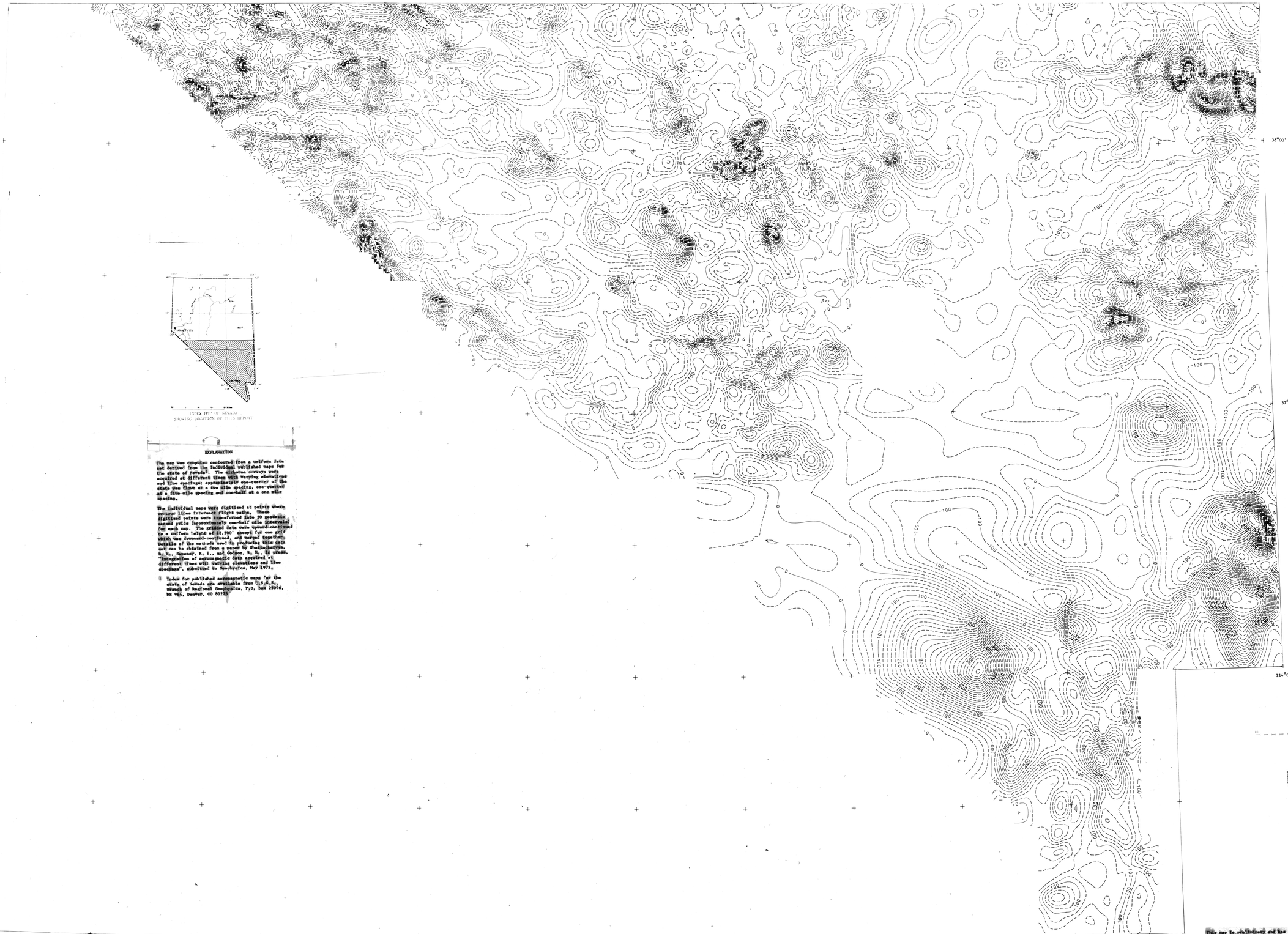
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT
78-695
Sheet 2 of 2



INDEX MAP OF NEVADA
SHOWING LOCATION OF THIS REPORT

EXPLANATION

The map was computer contoured from a uniform data set derived from the individual published maps for the state of Nevada[1]. The airborne surveys were acquired at different times with varying elevations and line spacings: approximately one-quarter of the state was flown at a two mile spacing, one-quarter at a five-mile spacing and one-half at a one mile spacing.

The individual maps were digitized at points where contour lines intersect flight paths. These digitized points were transformed into 3D geodetic second grids (approximately one-half mile intervals) for each map. The gridded data were upward-continued to a uniform height of 12,500' except for one grid which was downward-continued, and merged together. Details of the methods used in producing this data set can be obtained from a paper by Bhattacharyya, B., K., Sweeney, R. E., and Godson, R. H., in press, "Integration of aeromagnetic data acquired at different times with varying elevations and line spacings", submitted to Geophysics, May 1978.

1 Index for published aeromagnetic maps for the state of Nevada are available from U.S.G.S., Branch of Regional Geophysics, P.O. Box 25046, MS 964, Denver, CO 80225.

SCALE 1:500 000

10 0 10 20 30 40 50 MILES

10 0 10 20 30 40 50 KILOMETERS

COMPOSITE AEROMAGNETIC MAP OF NEVADA

BY

R. SWEENEY, R. GODSON, J. HASSEMER,
D. DANSEREAU, AND B. BHATTACHARYYA

1978

This map is preliminary and has not been edited or designed for conformity to Geological Survey standards.