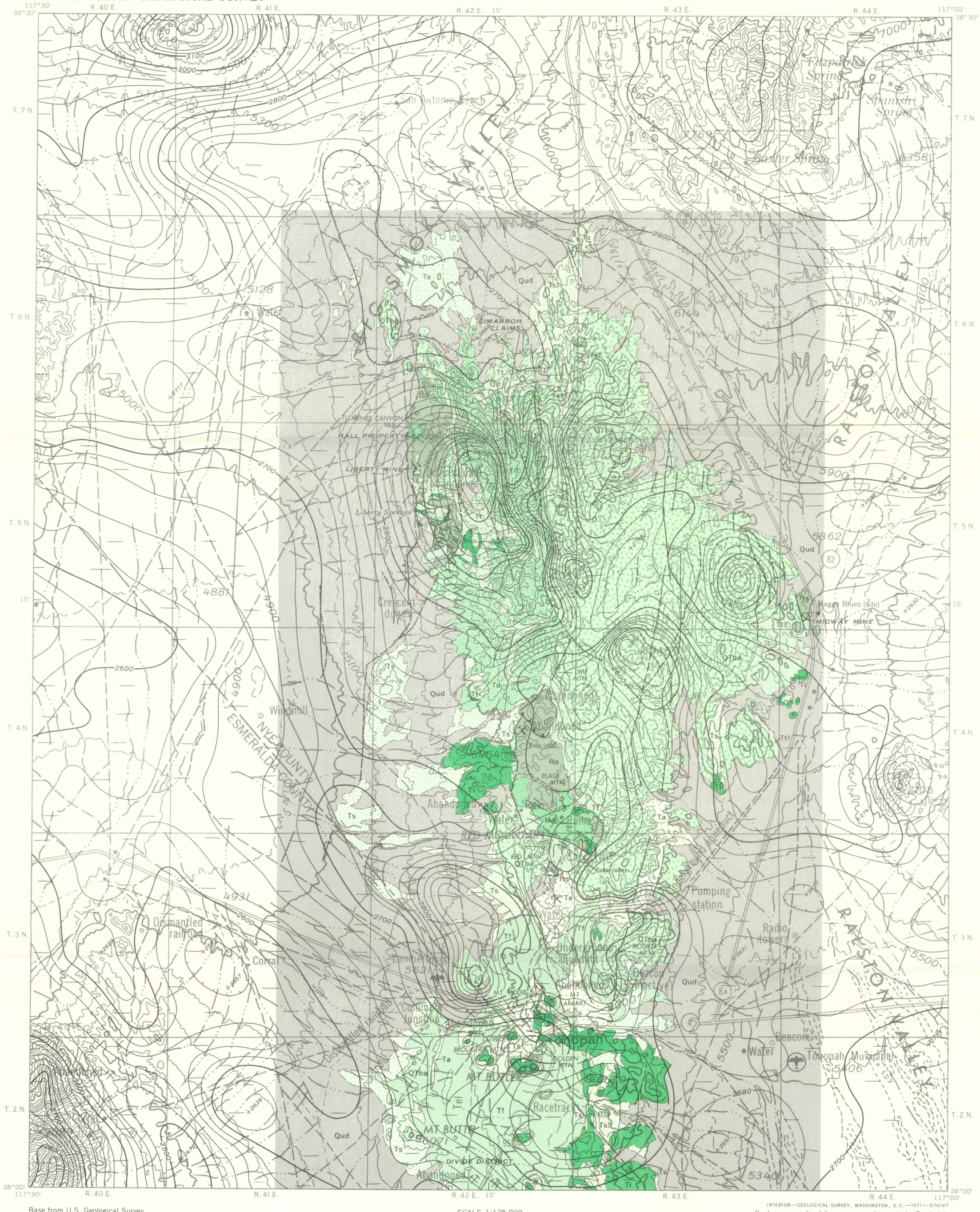
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

GEOPHYSICAL INVESTIGATIONS
MAP GP-744



Base from U.S. Geological Survey
Tonopah, 1:250,000, 1962

SCALE 1:125 000

2 0 2 4 6 8 10 MILES

2 0 2 4 6 8 10 KILOMETERS

CONTOUR INTERVAL 200 FEET
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS
DATUM IS MEAN SEA LEVEL

EXPLANATION

QUATERNARY

Qud — Unconsolidated deposits

TERTIARY OR QUATERNARY

QTba — Basalt and andesite
Includes local reworked material and tuffs of similar composition; also includes intercalated rhyolite tuffaceous sedimentary rocks beneath capping flows east of Cimarron and northeast of Lime Mountain

TERTIARY

Ti — Silicic intrusive rocks
Includes Oddie Rhyolite, Brougher Dacite, and other rhyolites

Ts — Siebert Tuff
Lacustrine, deltaic and fluviatile sediments, commonly derived from rhyolitic tuffs

Td — Porphyritic dacite

Tf — Fraction Breccia
Lithic-rich welded ash-flow tuffs

Dikes
Andesite, dacite, rhyolite porphyry, and rhyolite

Ta — Andesite and Mizpah Trachyte
Commonly altered and mineralized

Tt — Tonopah Formation
Rhyolite and rhyolitic welded ash-flow tuffs, commonly altered and locally mineralized. Includes some dacitic(?) welded tuff 5 miles north-northeast of the Cimarron claims

MESOZOIC(?)

Mzg — Porphyritic granodiorite and alaskitic intrusive rocks at Hall property

PALEOZOIC

Pzs — Sedimentary and metasedimentary rocks, undivided

Contact
Dashed where approximately located, queried where doubtful

Fault
Dashed where approximately located; dotted where concealed; queried where probable. Bar and ball on downthrown side

Thrust fault
Sawteeth on upper plate

Strike and dip of bedding

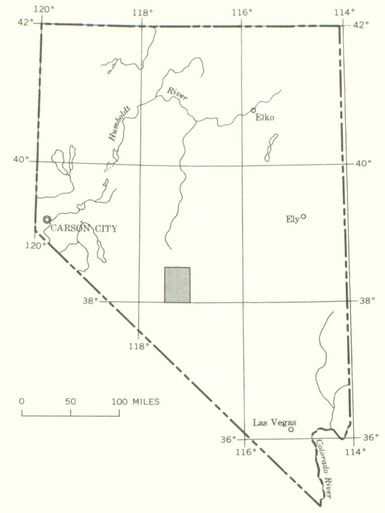
Strike and dip of foliation

Group of mines

Magnetic contours
Showing total intensity magnetic field of the earth in gammas relative to arbitrary datum. Hachures indicate closed areas of lower magnetic intensity. Contour interval 20 gammas

+2665
Location of measured maximum or intensity within closed high or closed low

Flight path
Showing location and spacing of data



MAP SHOWING AREA OF THIS REPORT

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1971—G70147

Geology generalized from maps and reports by Broderick (1949), Ferguson and Muller (1949), Albers and Stewart (1965), Kleinhampl and Ziony (1967), and unpublished data of R. E. Anderson (1966).

Aeromagnetic survey flown at an average barometric elevation of 9000 feet above sea level and compiled by Lockwood, Kessler and Bartlett, Inc., 1967

AEROMAGNETIC AND GENERALIZED GEOLOGIC MAP OF THE SAN ANTONIO MOUNTAINS, NEVADA

By
W. E. Davis, F. J. Kleinhampl and J. I. Ziony

1971

For sale by U. S. Geological Survey, price $1.00