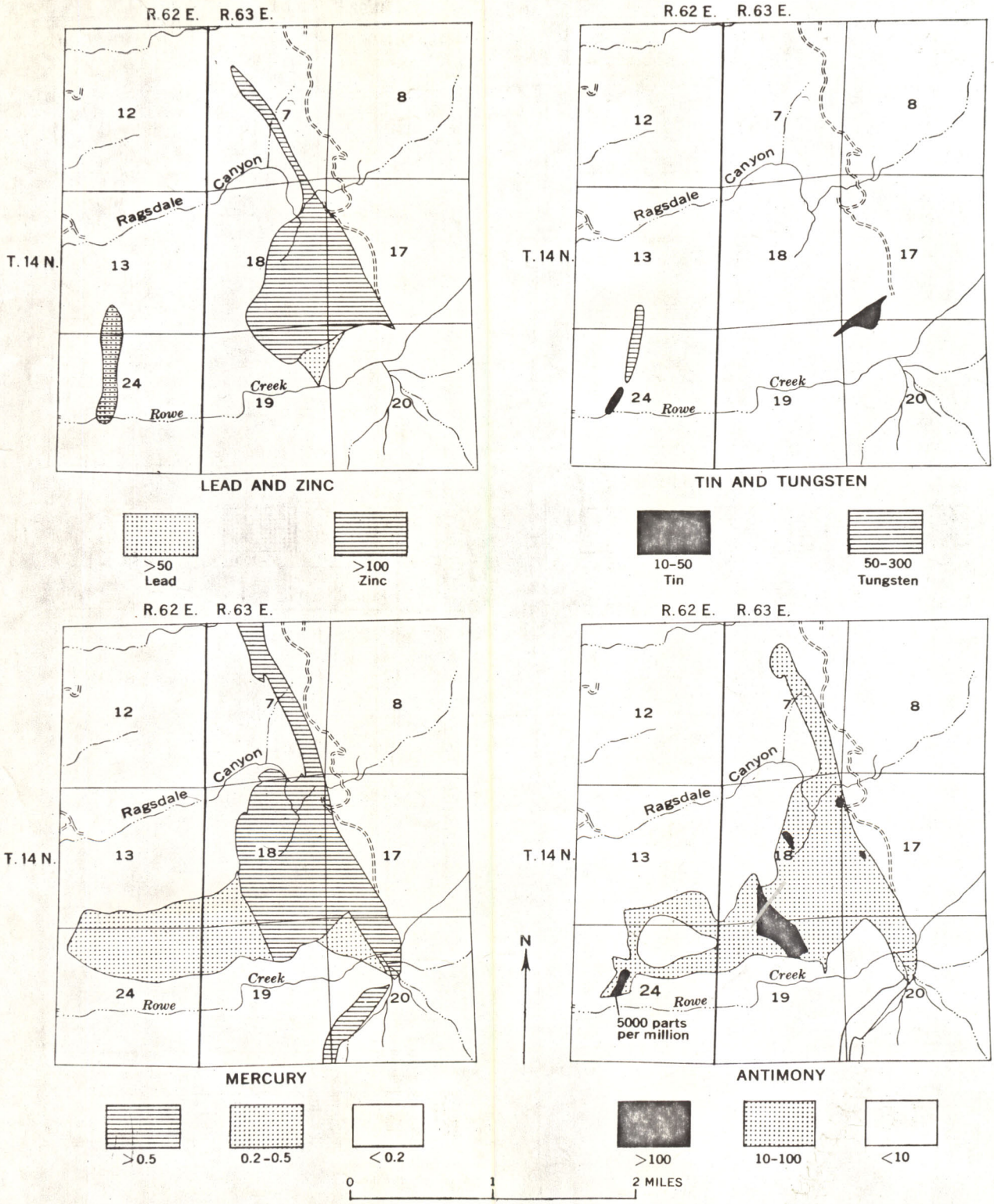

Figure 5.--General distribution, in parts per million, of lead, zinc, tin, tungsten, mercury, and antimony in jasperoids and in iron oxides in vugs and fractures.

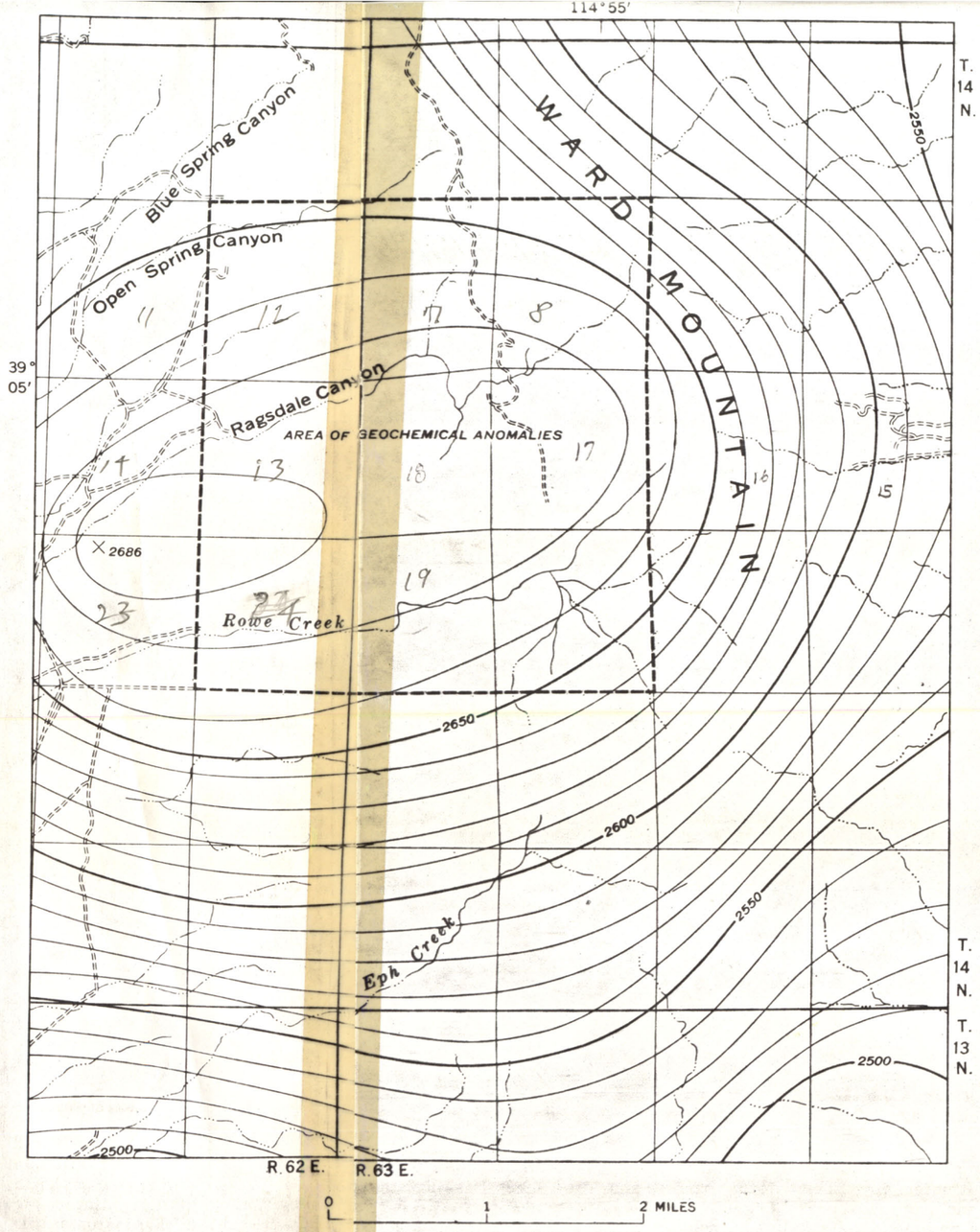

Figure 3.--Aeromagnetic map, southwest part of Ely quadrangle. Contour interval 10 gammas.

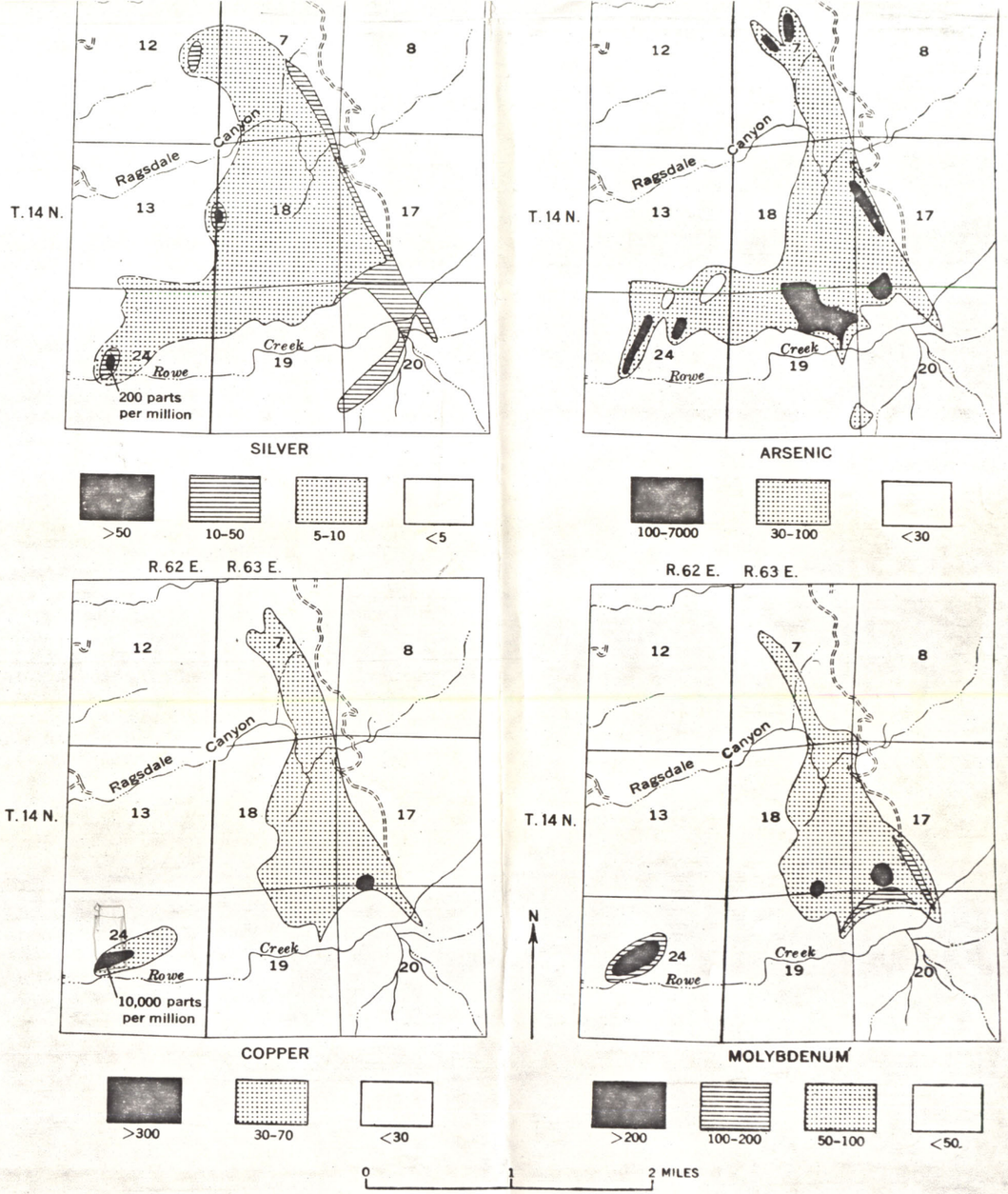

Figure 4.--General distribution, in parts per million, of silver, arsenic, copper, and molybdenum in jasperoids and in iron oxides in vugs and fractures.

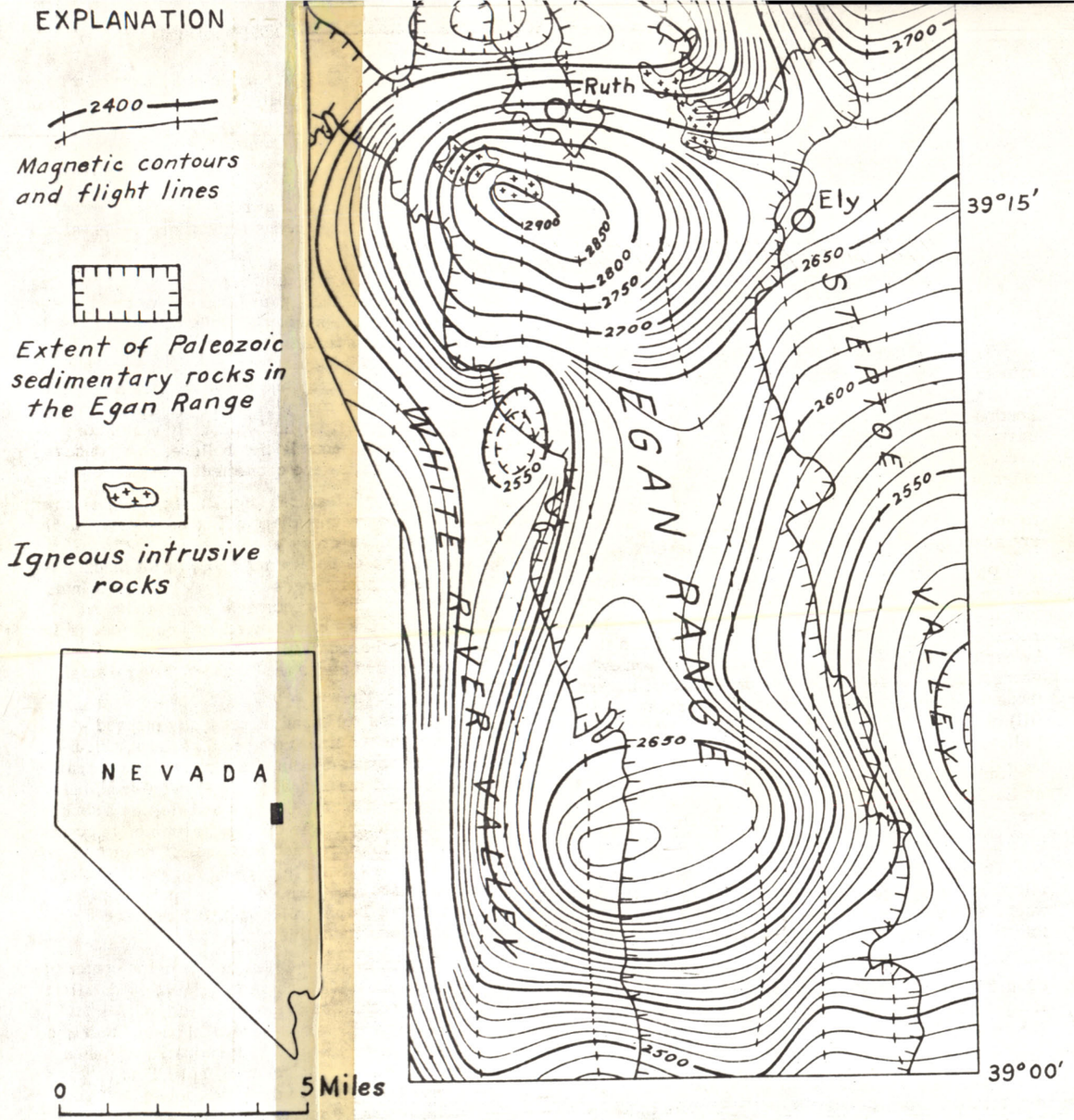

Figure 1.--Aeromagnetic map of the central Egan Range. Values are total magnetic intensity relative to an arbitrary datum. Contour interval is 10 and 50 gammas. Flight level is 11,500 feet above sea level. Magnetic survey was flown and compiled under the supervision of J. L. Meuschke. Geology is generalized from Guidebook to the geology of east-central Nevada, Intermountain Association of Petroleum Geologists, 11th Annual Field Conference, 1960, held with Eastern Nevada Geological Society.

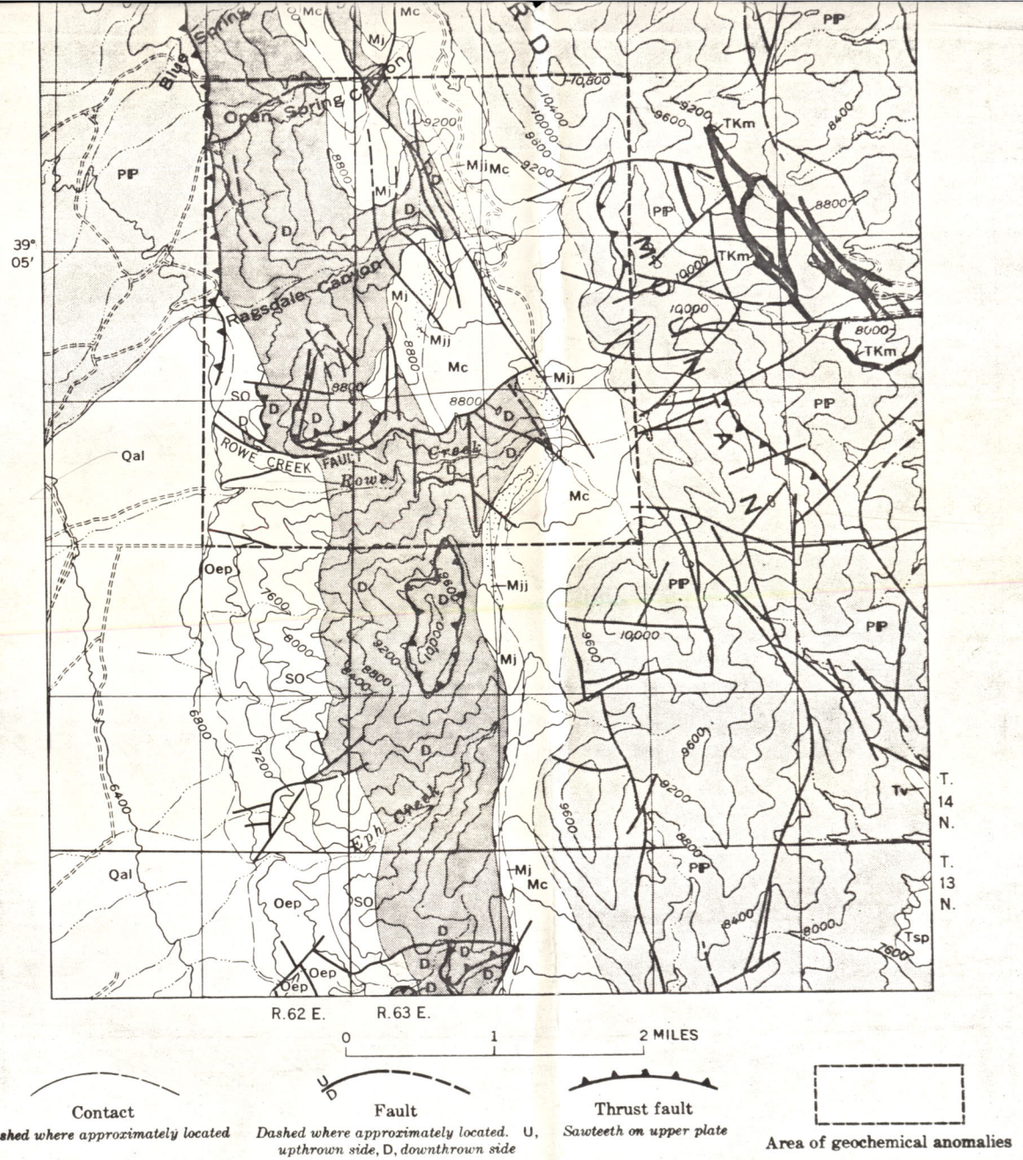

Figure 2.--Generalized geologic map of the southwest part of the Ely quadrangle, Nevada. Qal, alluvium (Quaternary); Tv, volcanic rocks, and Tsp, Sheep Pass Formation of Winfrey (1958) (Tertiary); TKm, monzonite porphyry (Tertiary or Cretaceous); PIP, Permian and Pennsylvanian, undifferentiated; Mc, Chainman Shale (Mississippian); Mj, Joana Limestone, and Mjj, Joana jasperoid (Mississippian); D, Devonian, undifferentiated; SO, Silurian and Ordovician, undifferentiated; Oep, Eureka Quartzite and Pogonip Group (Ordovician). The Joana jasperoid is stippled. Geology by A. L. Brokaw and D. R. Shawe.

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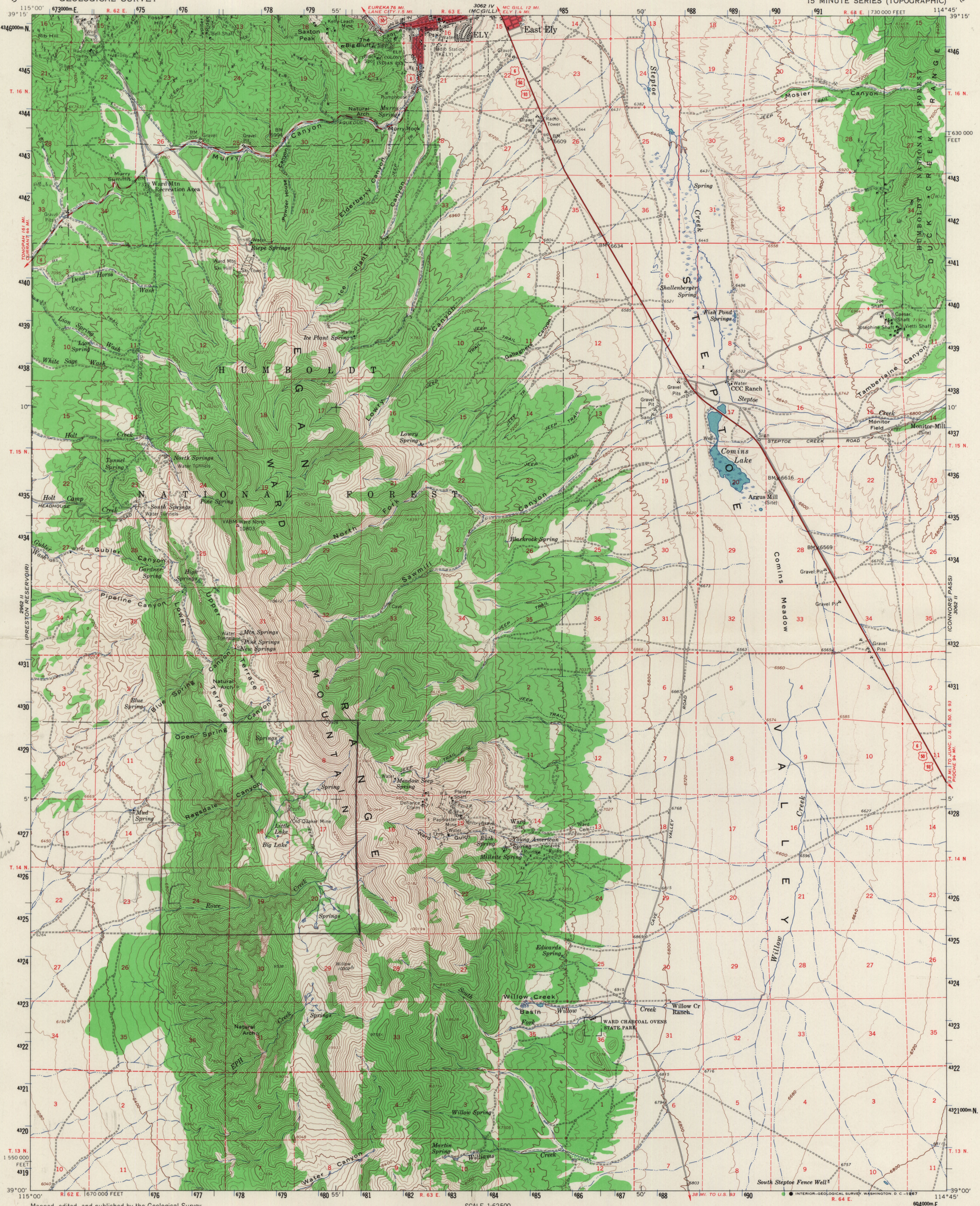

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1956. Field check 1958

Polyconic projection. 1927 North American datum
10,000-foot grid based on Nevada coordinate system, east zone
1000-meter Universal Transverse Mercator grid ticks,
zone 11, shown in blue

Red tint indicates areas in which only
landmark buildings are shown

Dashed land lines indicate approximate locations
Land lines unsurveyed in part of T. 16 N.–R. 64 E.

GN MN
1°20' / 24 MILS
16½° / 293 MILS
UTM GRID AND 1958 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

SCALE 1:62 500

1 ½ 0 1 2 3 4 MILES
3000 0 3000 6000 9000 12000 15000 18000 21000 FEET
1 .5 0 1 2 3 4 5 KILOMETERS

CONTOUR INTERVAL 80 FEET
DOTTED LINES REPRESENT 40-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

NEVADA
QUADRANGLE LOCATION

ROAD CLASSIFICATION

Heavy-duty — Light-duty
Medium-duty — Unimproved dirt

U. S. Route

The north half of this area also covered by
1:24 000 scale maps of Comins Lake and Ely
7.5-minute quadrangles surveyed 1958

ELY, NEV.
N3900—W11445/15

1958

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