

(200)

R290

no.

64-63

c. 2

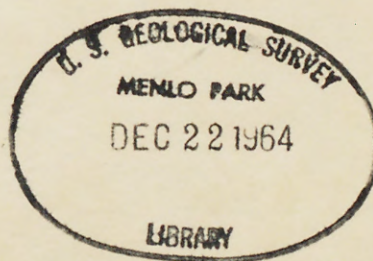
✓ ✓
U.S. Geological Survey.

[-Reports. Open file-]

Distribution of Mercury, Silver, Tellurium, Arsenic, and Antimony in the Rowe Canyon Area, White Pine County, Nevada.

by

Gott, Garland B. & McCarthy, Joseph H. Jr.



Distribution of mercury, silver, tellurium, arsenic, and antimony
in the Rowe Canyon area, White Pine County, Nevada

(200)

R290

no. 6463

By
Garland B. Gott and J. Howard McCarthy, Jr., 1927

The accompanying geochemical maps are based in part on data published in U.S. Geological Survey Professional Paper 450-E, Article 180 (Brokaw and others, 1963), and in part on new data acquired since the publication of Professional Paper 450-E. The mercury was determined by atomic absorption techniques, as described by Vaughn and McCarthy (1964), the silver by standard emission spectrographic techniques, and the tellurium, arsenic, and antimony by wet chemical methods.

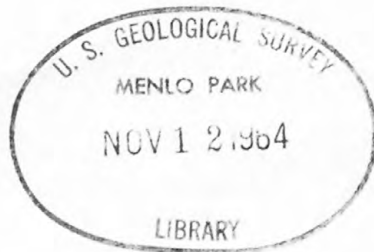
Geology on figures 2-6 is modified from mapping by A. L. Brokaw and D. R. Shawe; the magnetic contours are from Brokaw and others (1963, fig. 180.3).

Brokaw, A. L., Gott, G. B., Mabey, D. R., McCarthy, J. Howard, and Oda, Uteana, 1963, Mineralization associated with a magnetic anomaly in part of the Ely quadrangle, Nevada, in Short papers in geology, hydrology, and topography: U.S. Geol. Survey Prof. Paper 450-E, p. E1-E8.

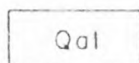
Vaughn, W. W., and McCarthy, J. H., Jr., 1964, An instrumental technique for the determination of submicrogram concentrations of mercury in soils and rocks: U.S. Geol. Survey Prof. Paper 501-D.

U.S. Geological Survey
OPEN FILE
1964

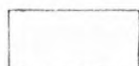
[REMARKS: OPEN FILE]



EXPLANATION



Quaternary alluvium



Paleozoic rocks
Principally limestone

—2650—

Magnetic contour
Interval 10 gammas



Fault
Dashed where approximately
located



Thrust fault
Dashed where approximately
located. Sawteeth on
upper plate



Sample locality

Figure 1.--Explanation for geochemical maps (figs. 2-6).

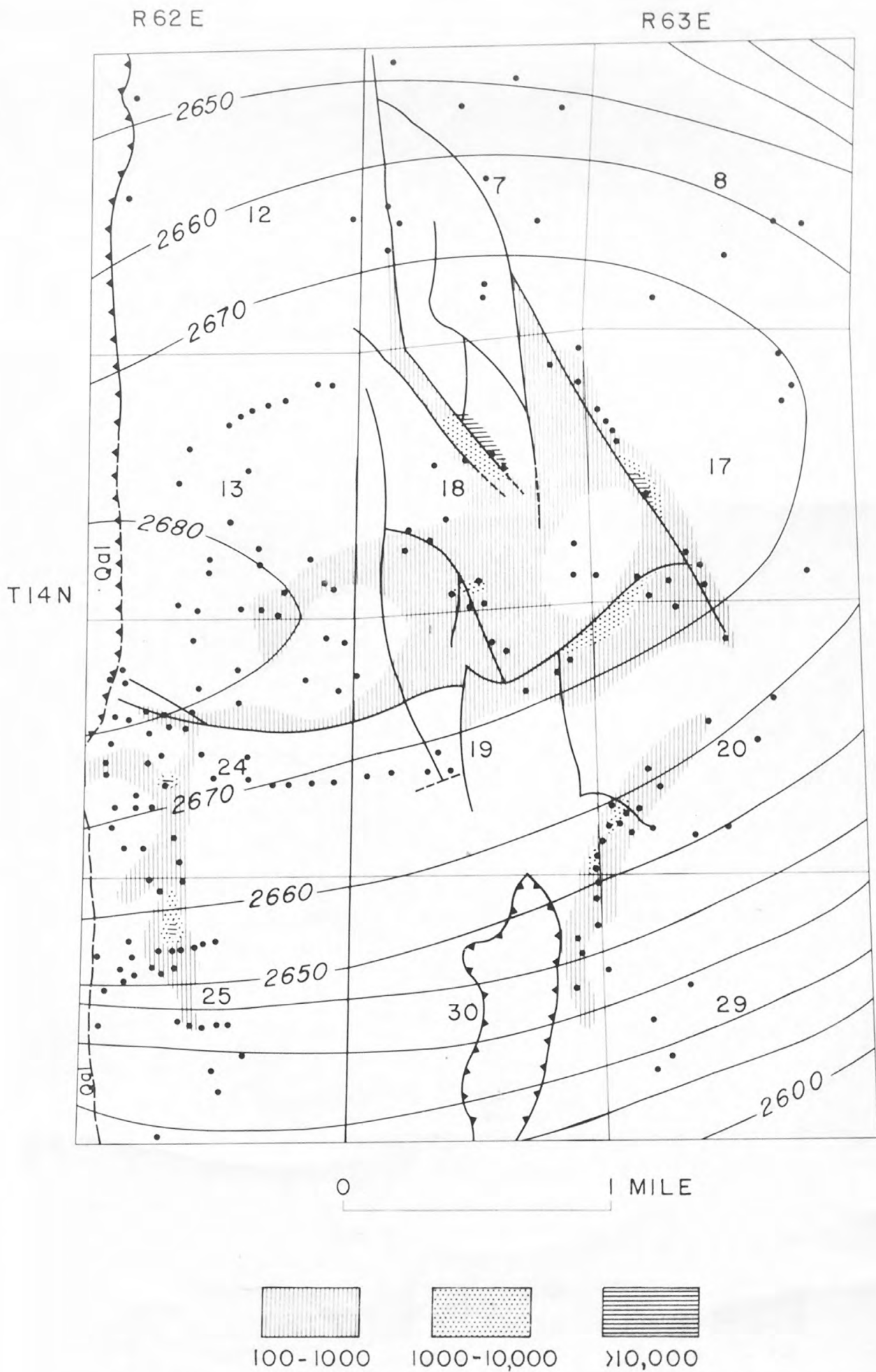


Figure 2.--General distribution of mercury (parts per billion) in jasperoid and in iron oxide and silica from vugs and fractures.

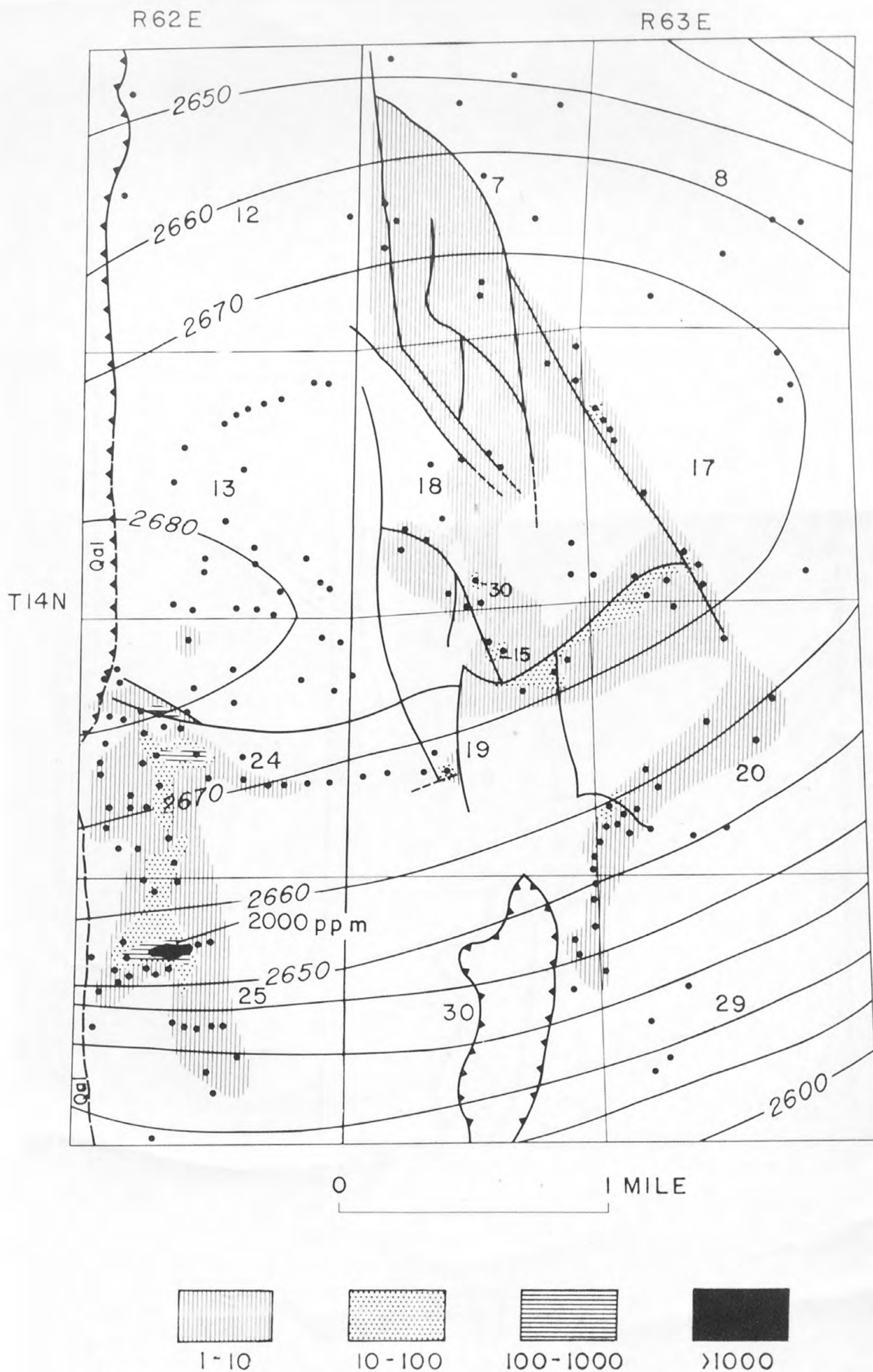


Figure 3.--General distribution of silver (parts per million) in jasperoid and in iron oxide and silica from vugs and fractures.

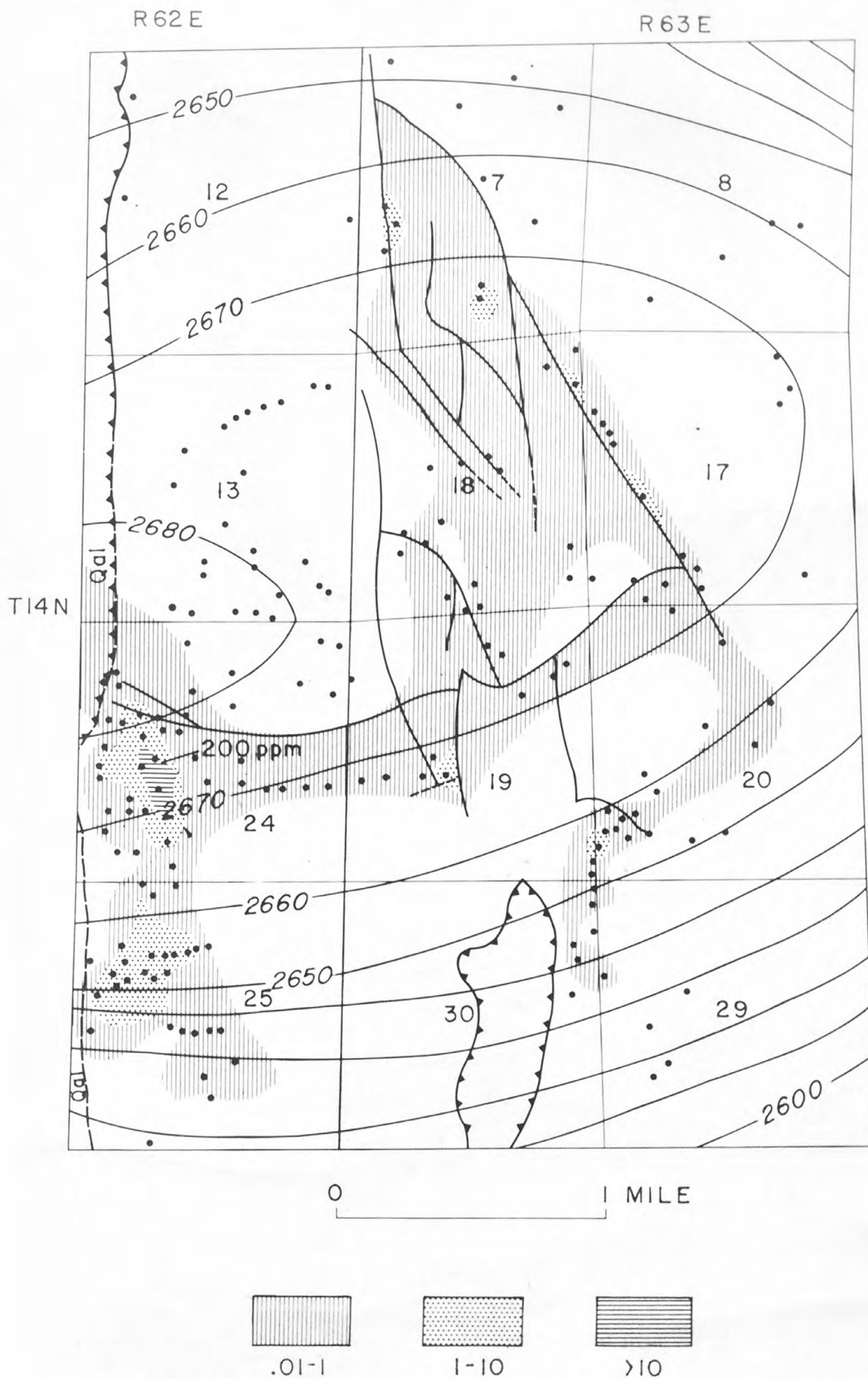


Figure 4.--General distribution of tellurium (parts per million) in jasperoid and in iron oxide and silica from vugs and fractures.

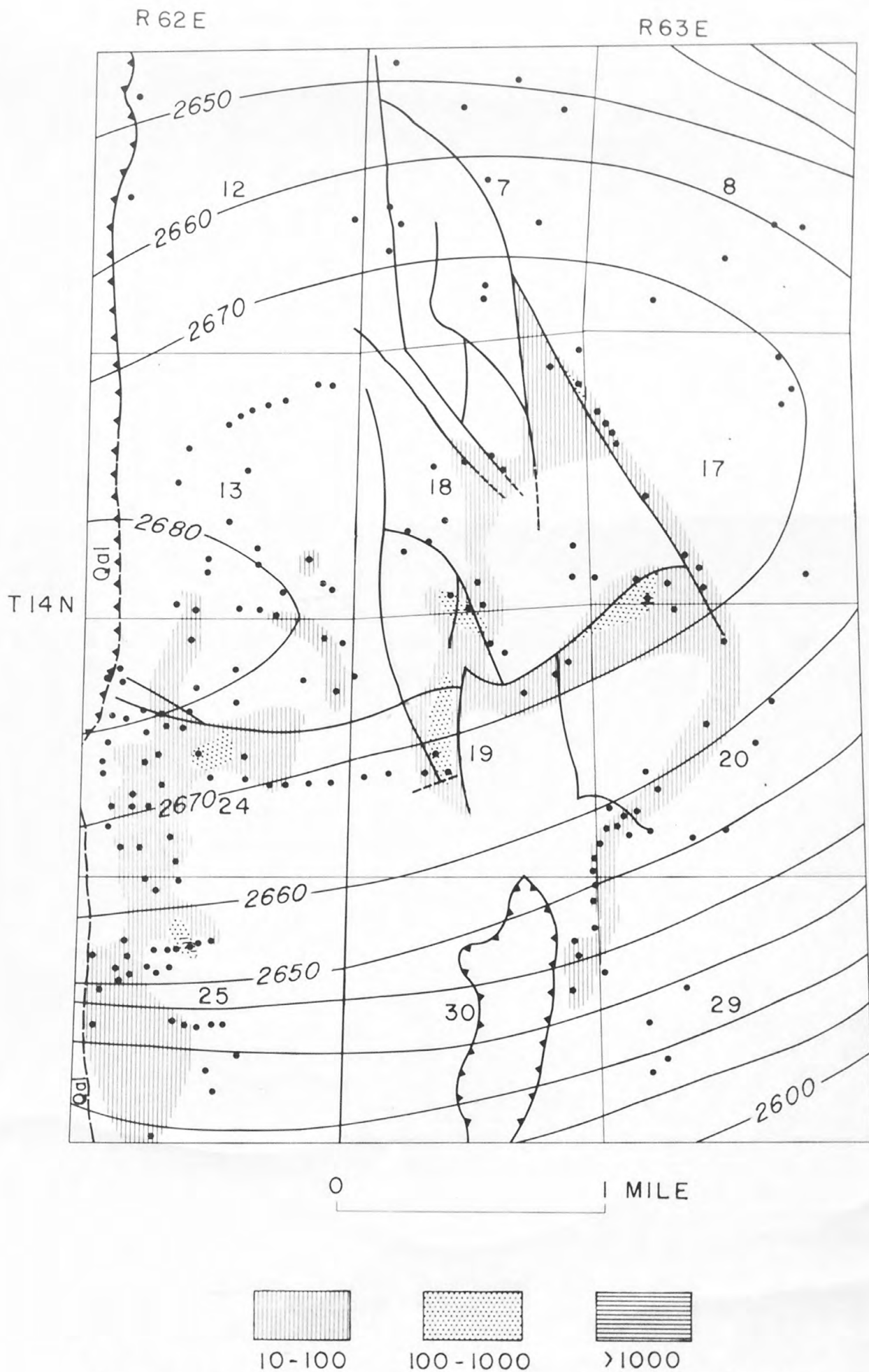


Figure 5.--General distribution of arsenic (parts per million) in jasperoid and in iron oxide and silica from vugs and fractures.

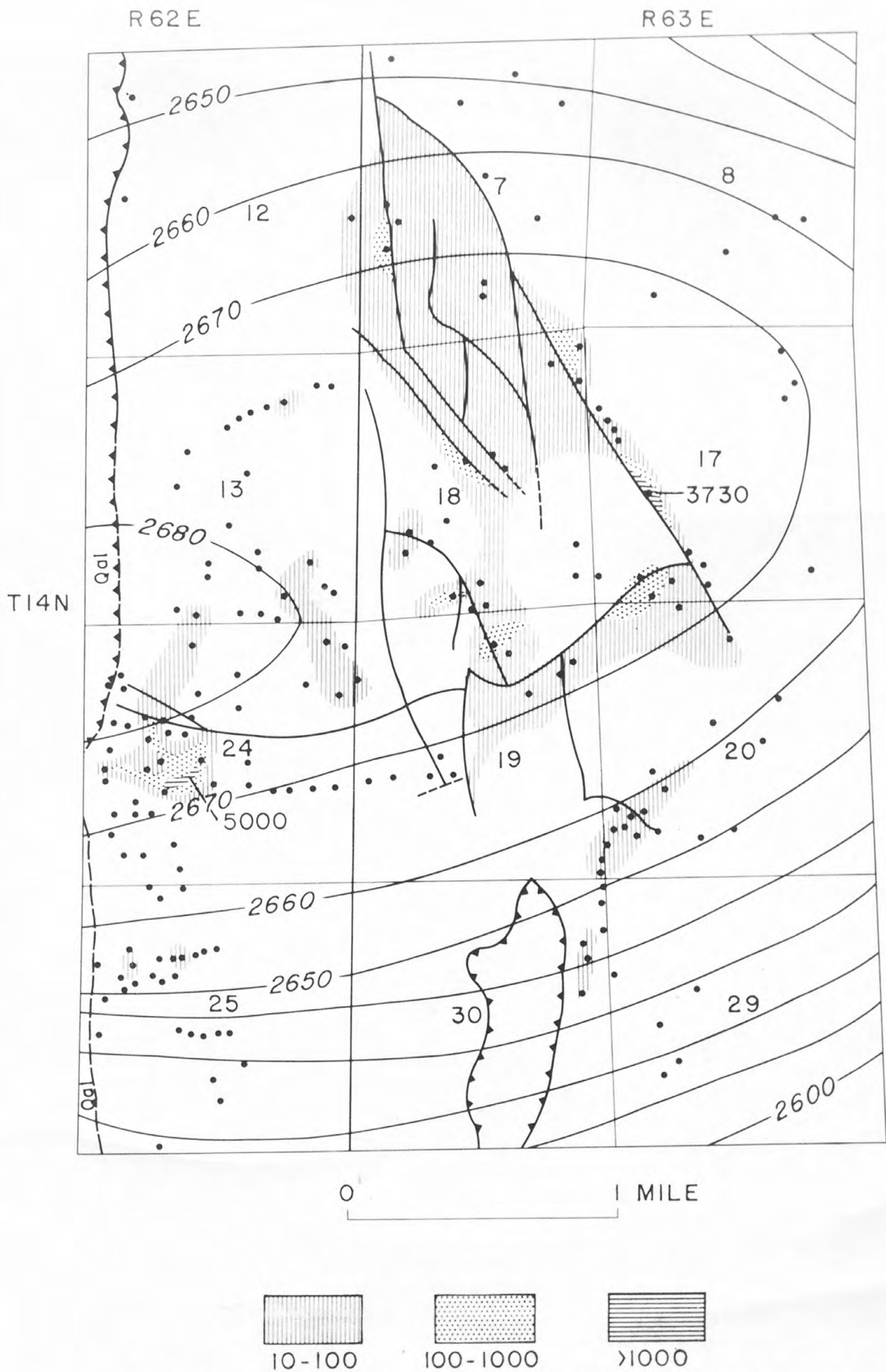


Figure 6.--General distribution of antimony (parts per million) in jasperoid and in iron oxide and silica from vugs and fractures.

USGS LIBRARY - MENLO PARK



3 1820 00128264 3