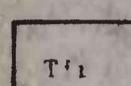


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UNITED STATES GEOLOGICAL SURVEY

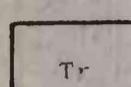
OPEN FILE
BERYLLOUM DISTRIBUTION
VICKS PEAK, STEEL HILL,
BLACK HILL QUADRANGLES,
SOCORRO COUNTY, N. MEX.
D. W. R. GRIFFITS, H. V. ALMINAS,
AND E. L. MOSIER
SHEET 4 OF 4

EXPLANATION

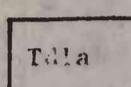
Qs. Surficial deposits



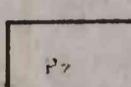
T'1 Intrusive rhyolite



Tr Younger rhyolite flows and ash flow tuffs



Porphyritic latite and andesite flows, flow breccias, tuffs, and agglomerates



Paleozoic sedimentary rocks; undivided shale, sandstone, and limestone

QUATERNARY

TERTIARY

PALEOZOIC

Normal fault
dashed where approximately located;
dotted where covered

Licament
traced from aerial photographs

1.5
3
20 0
3
150

This map is preliminary and has not been edited or reviewed for conformity with U. S. Geological Survey standards.

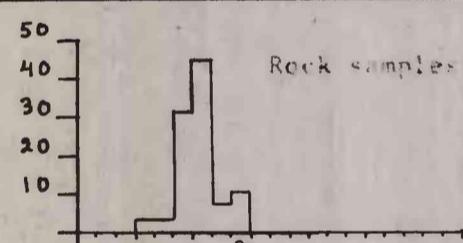
Beryllium contents of three sample types (80, M-1, NM-1) are given at each sample location. The 80 sample consists of material finer than 0.177 mm. sieved from the total stream sediment. The other two sample types are fractions of stream sediment concentrates with specific gravity higher than that of beryllium. The M-1 fraction is that portion of such material not magnetic at 0.1 ampere, but magnetic at a 1.0-ampere setting on a Frantz Isodynamic Separator (forward slope 23°, side slope 15°). The portion that is not magnetic at a 1.0-ampere setting is labeled NM-1.

Stream-sediment sample
top number, practically determined beryllium contents in parts per million;
middle number, beryllium value of the 80 fraction; bottom number, beryllium value of the M-1 fraction; bottom symbol, beryllium value of the NM-1 fraction;
NL, beryllium detected but below 1 part per million; N, beryllium below detection limit. Dash, missing value. Filled circle indicates sample location
at which the NM-1 fraction contains at least 150 parts per million beryllium.

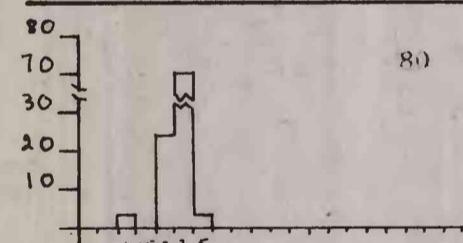
— 70 —

Contour
Collecting areas containing at least 70 parts per million beryllium in the NM-1 fraction of stream sediments

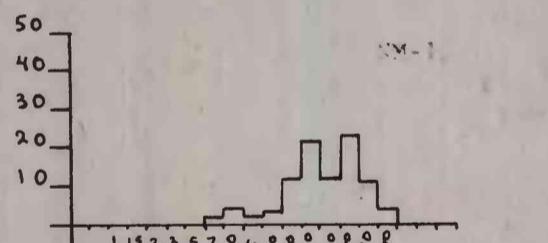
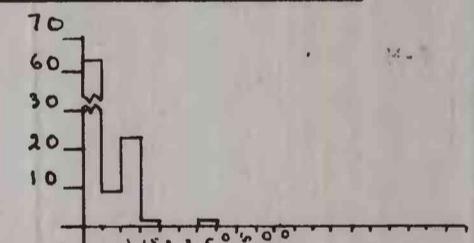
HISTOGRAMS SHOWING BERYLLIUM DISTRIBUTION



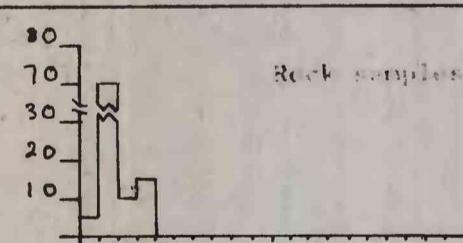
Younger rhyolite flows and ash flow tuffs



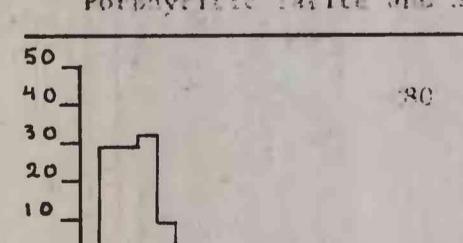
Stream-sediment samples derived from the younger rhyolite flows and ash flow tuffs



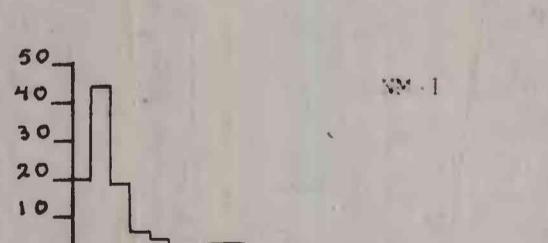
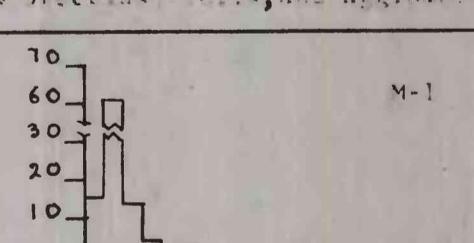
Percentage of samples



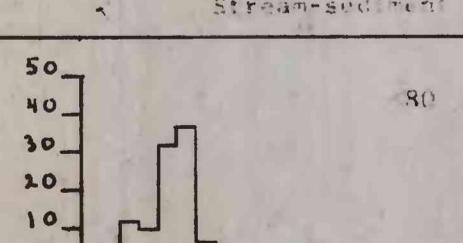
Porphyritic latite and andesite flows, flow breccias, tuffs, and agglomerates



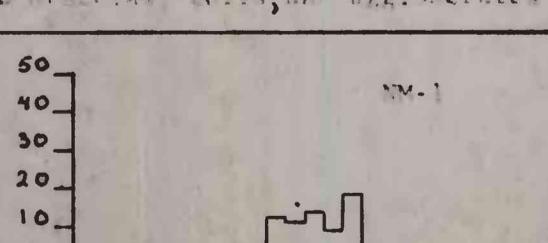
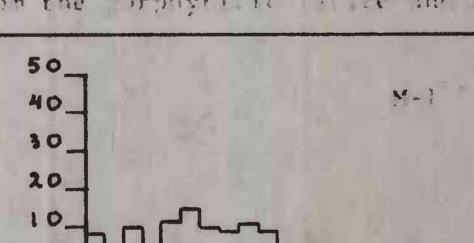
Stream-sediment samples derived from the porphyritic latite and andesite flows, flow breccias, tuffs, and agglomerates



Percentage of samples



Stream-sediment samples derived from the total map area



Percentage of samples