DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT
79-837-Q

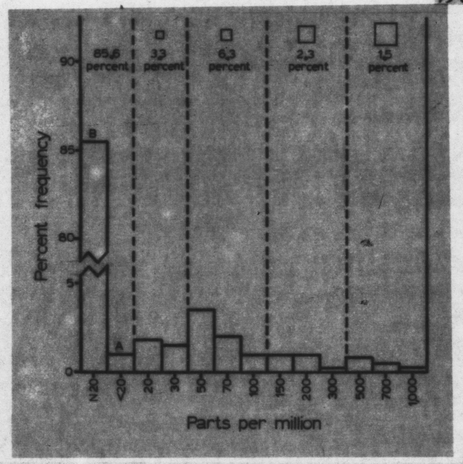

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Figure 1.--Histogram for tin in 623 nonmagnetic (at >0.6 ampere) samples of heavy-mineral concentrates from stream sediments, Survey Pass 1° x 3° quadrangle, Alaska, showing map symbols corresponding to anomalous concentrations in parts per million, percentage of total samples, and letters corresponding to non-anomalous concentrations in parts per million. N, not detected at values shown; <, detected, but less than value shown. Arithmetic mean, 138; standard deviation, 188; geometric mean, 77; and geometric deviation, 2.7, based on unqualified values within the sample population.

EXPLANATION

TIN SAMPLE SITES--Letters and size of symbols are explained on histogram (fig. 1)

□ Anomalous

A Not anomalous

NOTE

This map is one in a series of geochemical maps concerning the Survey Pass 1° x 3° quadrangle, Alaska. For discussion of analyses and sampling see Cathrall and others, 1979.

Cathrall, J. B., Cooley, E. F., McDanal, S. K., and Billings, T. M., 1979, A listing and statistical summary of spectrographic analyses of heavy-mineral concentrates from stream-sediment samples for the Survey Pass quadrangle, Alaska: U.S. Geological Survey Open-File Report 79-837-B.

Base from U.S. Geological Survey, 1956

SCALE 1:250000

CONTOUR INTERVAL 200 FEET
DATUM IS MEAN SEA LEVEL

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1981

LOCATION INDEX

DISTRIBUTION AND ABUNDANCE OF TIN IN THE NONMAGNETIC FRACTION OF HEAVY-MINERAL CONCENTRATES FROM STREAM-SEDIMENTS, SURVEY PASS 1°X3° QUADRANGLE, ALASKA

By

J. B. Cathrall, T. M. Billings, and E. F. Cooley

1979