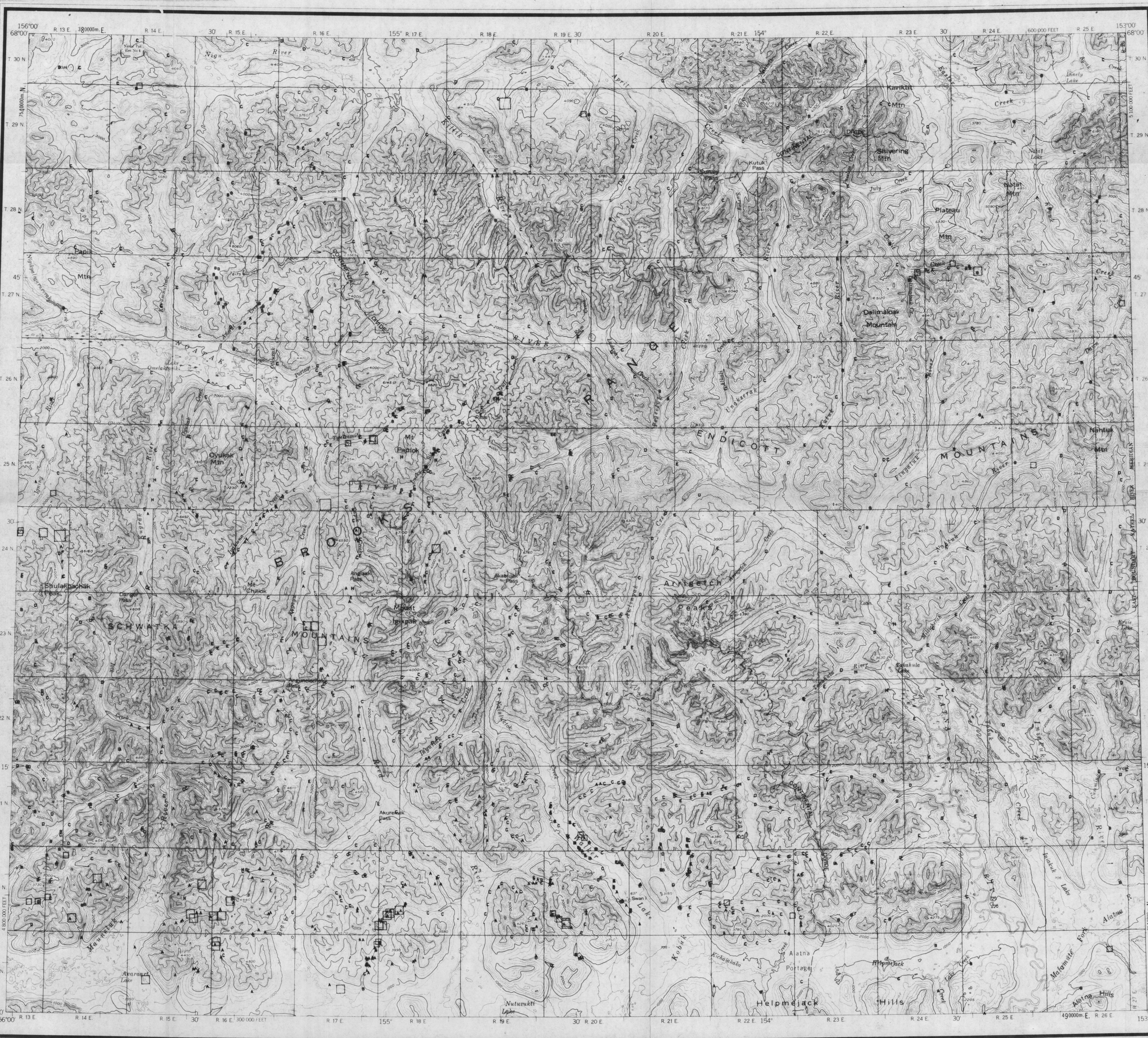
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT
79-837-J



Base from U.S. Geological Survey, 1956

SCALE 1:250000

5 0 5 10 15 20 25 MILES

5 0 5 10 15 20 25 KILOMETERS

CONTOUR INTERVAL 200 FEET
DATUM IS MEAN SEA LEVEL

DISTRIBUTION AND ABUNDANCE OF BARIUM IN THE MINUS-80-MESH FRACTION OF STREAM-SEDIMENT SAMPLES, SURVEY PASS 1°X3° QUADRANGLE, ALASKA

By
J.B. Cathrall, T.M. Billings, and E.F. Cooley
1979

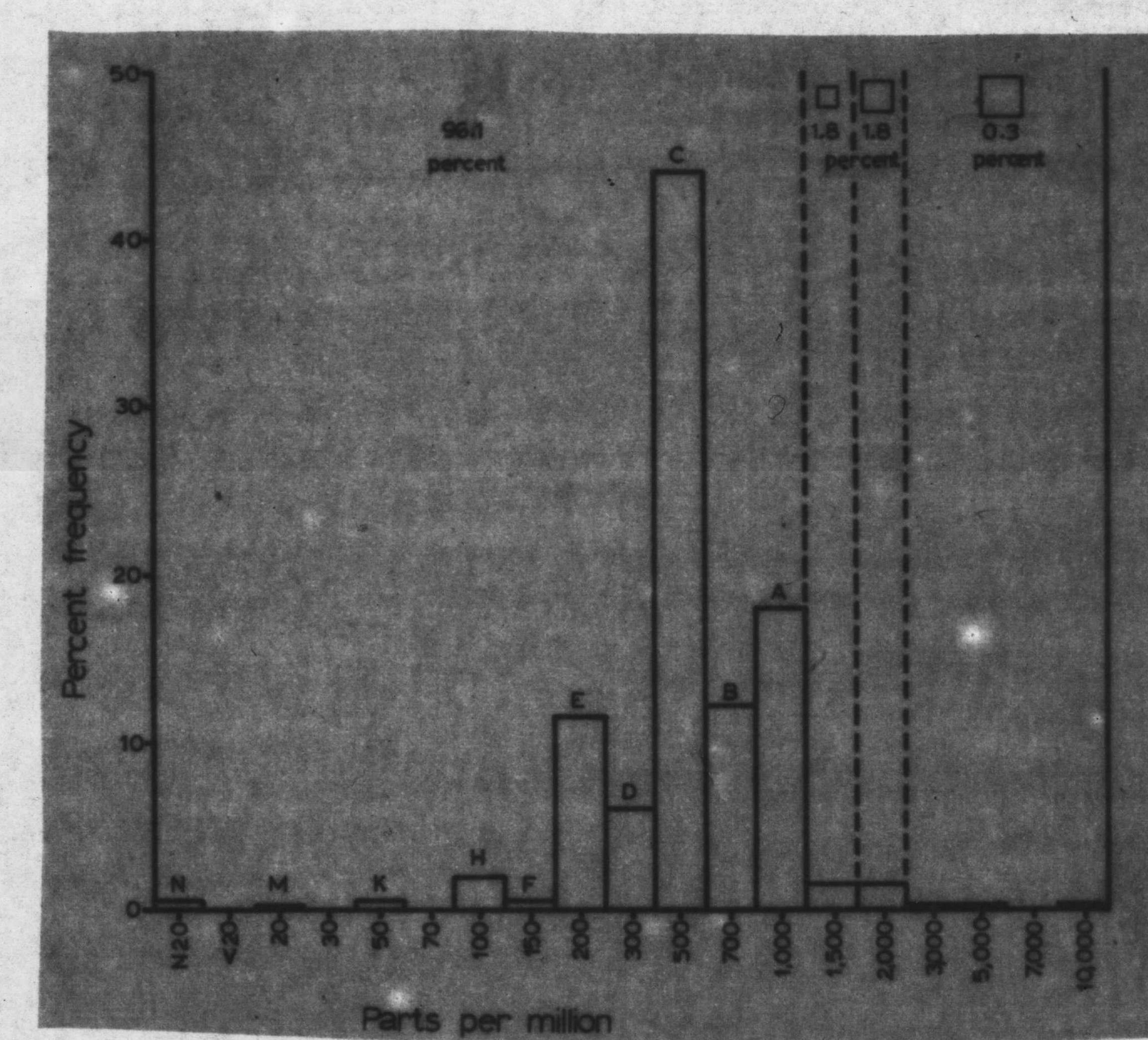


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Figure 1.--Histogram for barium in 1493 minus-80-mesh stream-sediment samples, Survey Pass 1° x 3° quadrangle, Alaska, showing map symbols corresponding to anomalous concentrations in parts per million, percentages total samples, and letters corresponding to non-anomalous concentrations in parts per million. N, not detected at value shown; <, detected, but less than value shown. Arithmetic mean, 613; standard deviation, 443; geometric mean, 512; and geometric deviation, 1.8, based on unqualified values within the sample population.

EXPLANATION

BARIUM 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., O'Leary, R. M., Billings, T. M. and McDanal, S. K., 1979, A listing and statistical summary of spectrographic and chemical analyses of stream-sediment samples from the Survey Pass quadrangle, Alaska: U.S. Geological Survey Open-File Report 79-837-A.