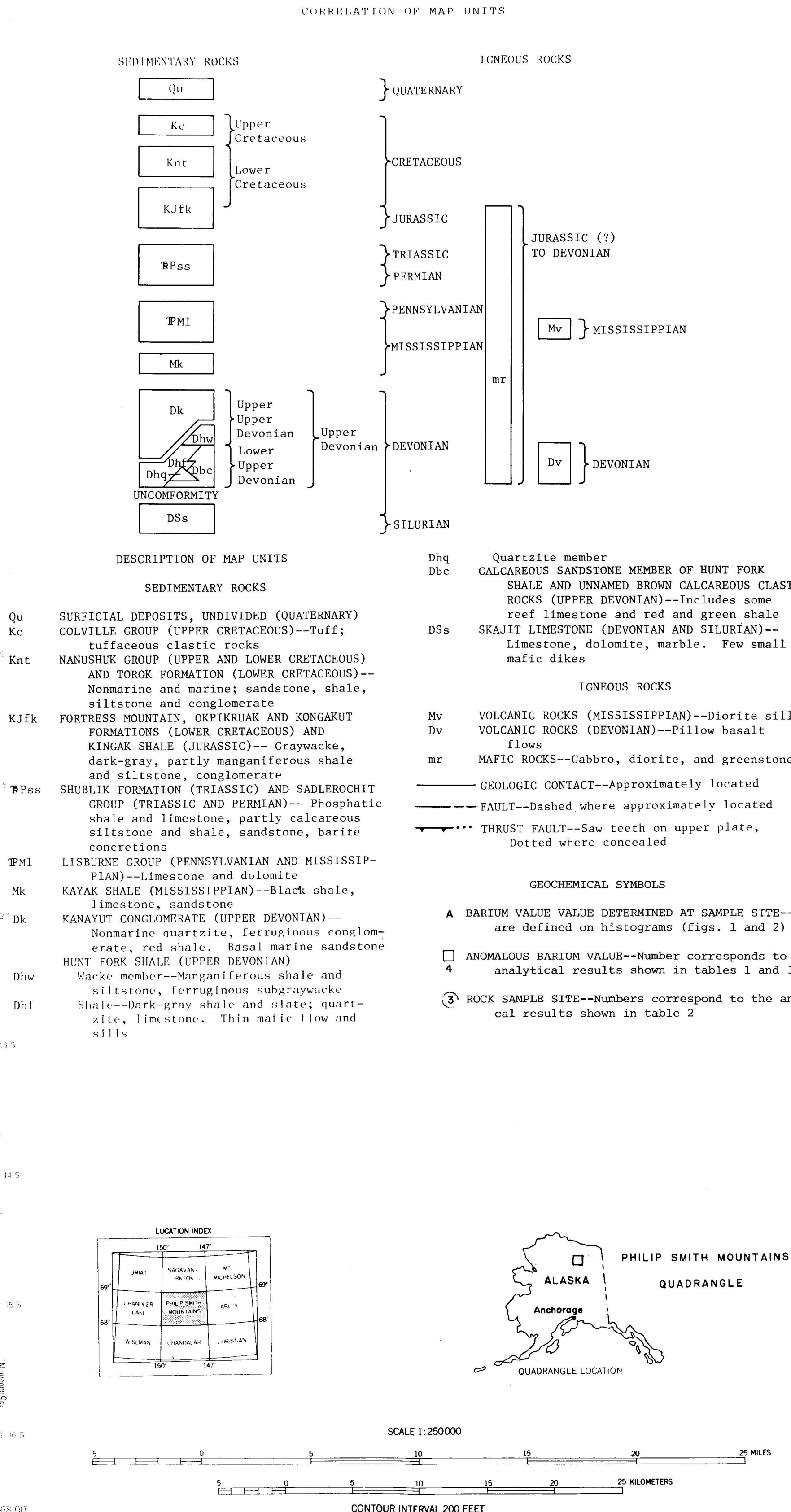


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Base from U.S. Geological Survey, 1971

Geology generalized in 1977 by W. P. Brooge, H. N. Baker, J. T. Dutro, Jr., and R. L. Detterman

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BARIUM IN THE MINUS 80 MESH STREAM-SEDIMENT FRACTION AND ROCK

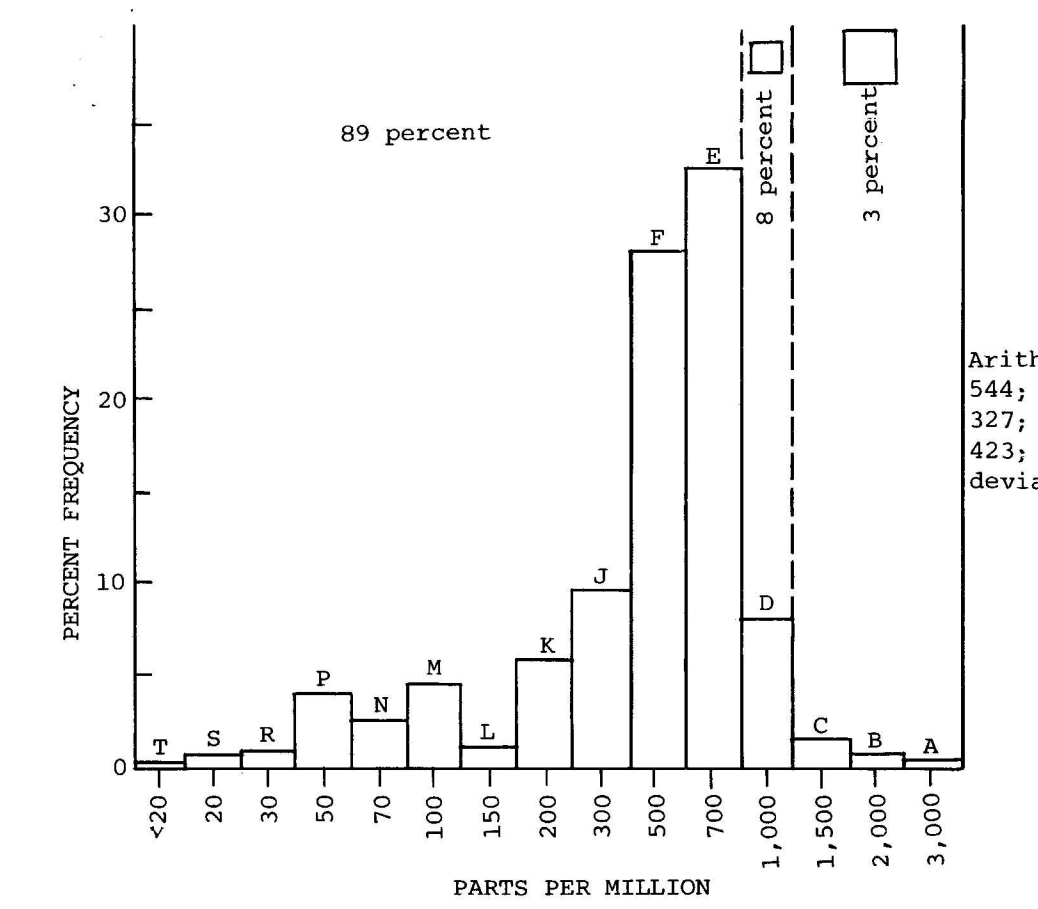


Figure 1.—Histogram of barium distribution in 759 stream-sediment samples, Philip Smith Mountains quadrangle, Alaska, showing symbols, percentage of total samples, and letters corresponding to concentrations in parts per million. Statistics are based on all unqualified values within the sample population.

Table 1: Summary of barium distribution in stream-sediment samples. Columns include Field No., Barium (ppm), and Percent Frequency.

BARIUM IN THE NONMAGNETIC HEAVY MINERAL CONCENTRATE FROM STREAM SEDIMENTS

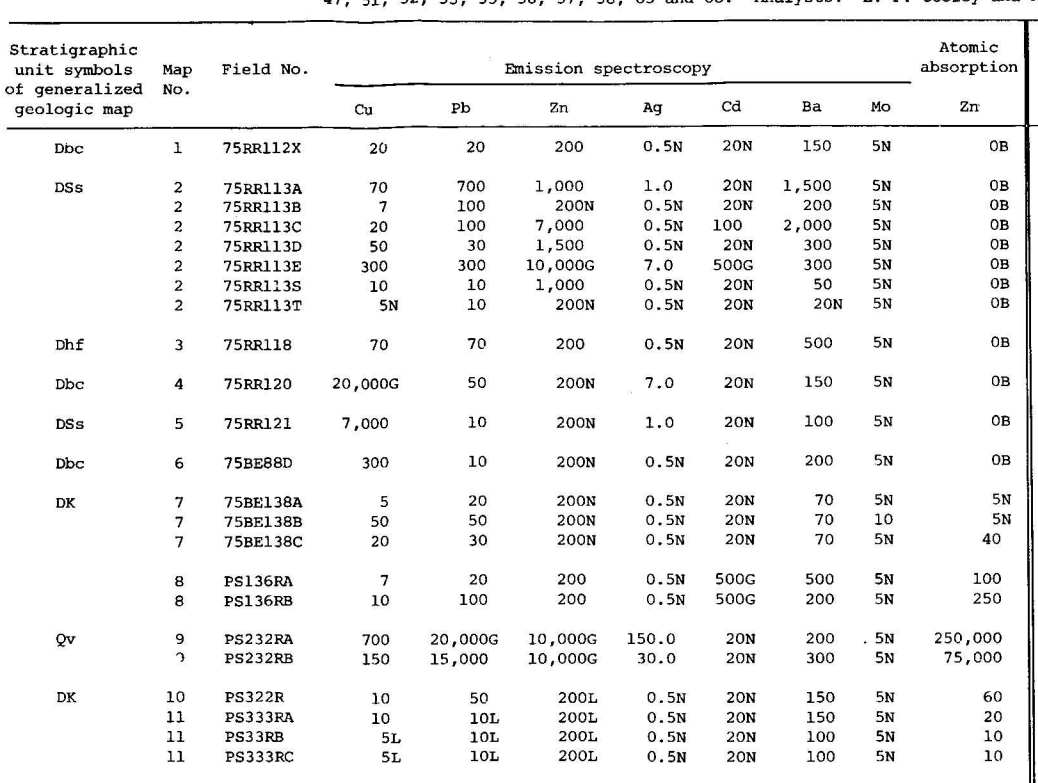


Figure 2.—Histogram of barium distribution in 737 nonmagnetic heavy-mineral concentrates from stream-sediment samples, Philip Smith Mountains quadrangle, Alaska, showing symbols, percentage of total samples, and letters corresponding to concentrations in parts per million.

Table 2: Summary of barium distribution in nonmagnetic heavy mineral concentrates. Columns include Field No., Barium (ppm), and Percent Frequency.

BARIUM IN THE NONMAGNETIC HEAVY MINERAL CONCENTRATE FROM STREAM SEDIMENTS

Table 3: Detailed data for barium in nonmagnetic heavy mineral concentrates, including field numbers, barium concentrations, and statistical summaries.

GEOCHEMICAL MAPS SHOWING THE DISTRIBUTION AND ABUNDANCE OF BARIUM IN THE PHILIP SMITH MOUNTAINS QUADRANGLE, ALASKA

By J. B. Cathrall, D. E. Detra, and E. F. Cooley 1978