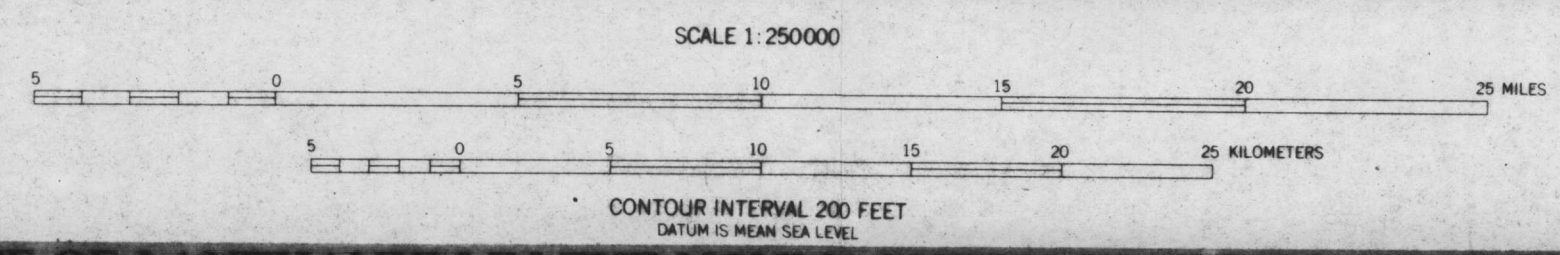


79-837-U  
Figure 1.--Histogram for lanthanum in 623 nonmagnetic (at >0.6 ampere) samples of heavy-mineral concentrates from stream sediments, Survey Pass 1° x 3° quadrangle, Alaska, showing map symbols corresponding to anomalous concentrations in parts per million, percentage of total samples, and letters corresponding to nonanomalous concentrations in parts per million. >, greater than value shown; and <, detected, but less than value shown. Arithmetic mean, 240; standard deviation, 243; geometric mean, 170; and geometric deviation, 2.2, based on unqualified values within the sample population.

EXPLANATION  
LANTHANUM SAMPLE SITES--Letters and size of symbols are explained on histogram (figure 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., McDaniel, 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



**DISTRIBUTION AND ABUNDANCE OF LANTHANUM IN THE NONMAGNETIC FRACTION OF HEAVY-MINERAL CONCENTRATES FROM STREAM SEDIMENTS, SURVEY PASS 1° X 3° QUADRANGLE, ALASKA**

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