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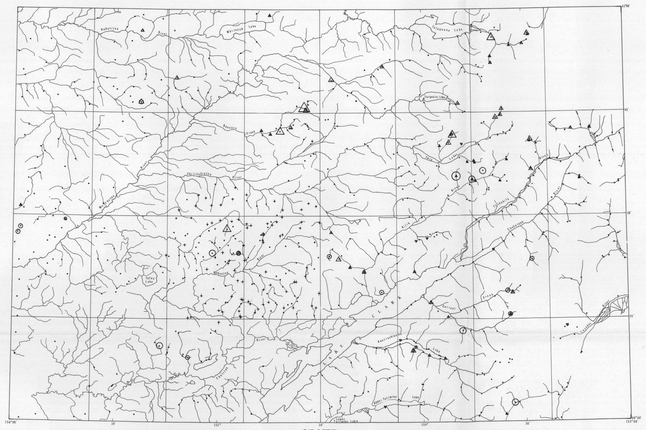
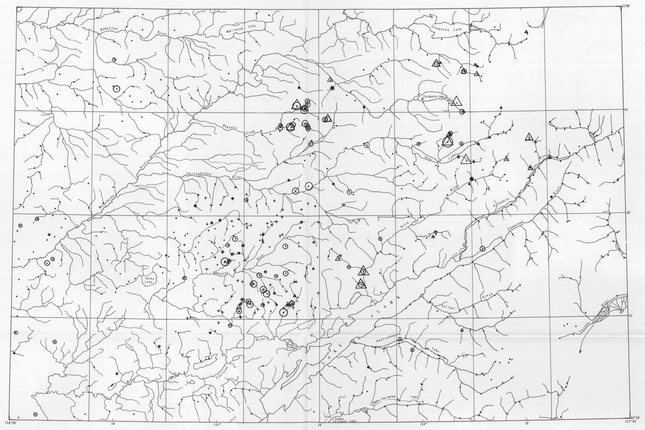


SILVER



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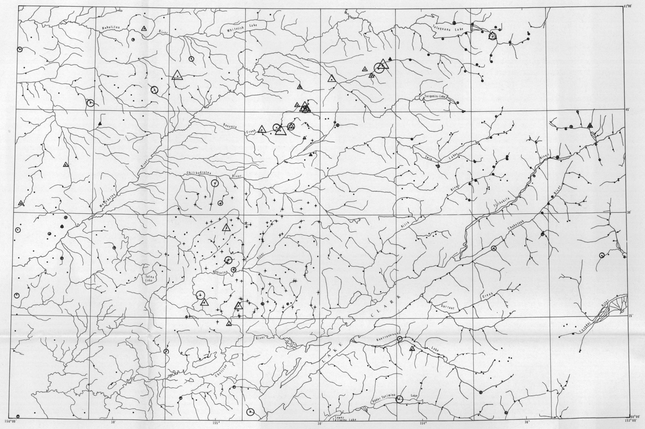

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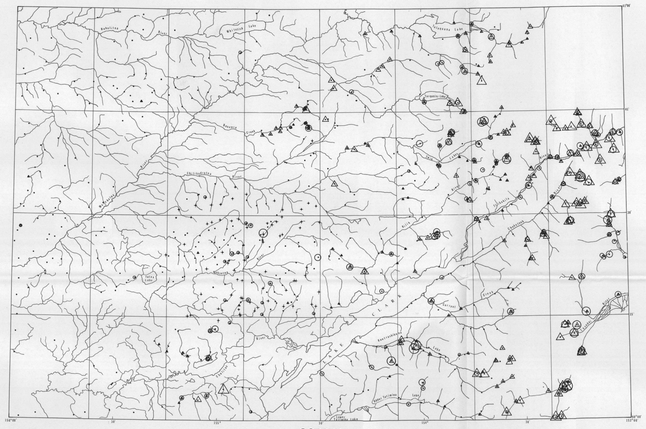
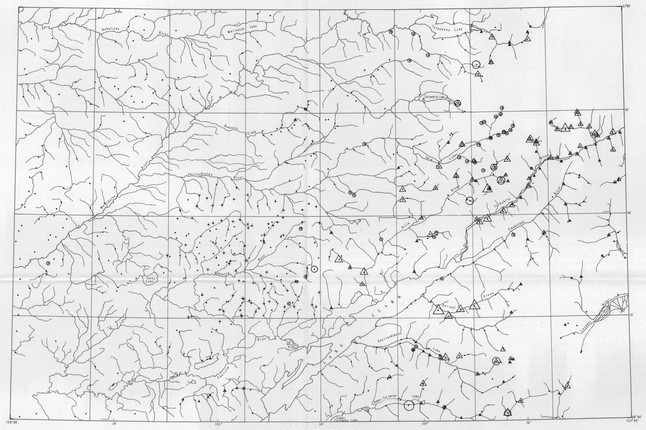
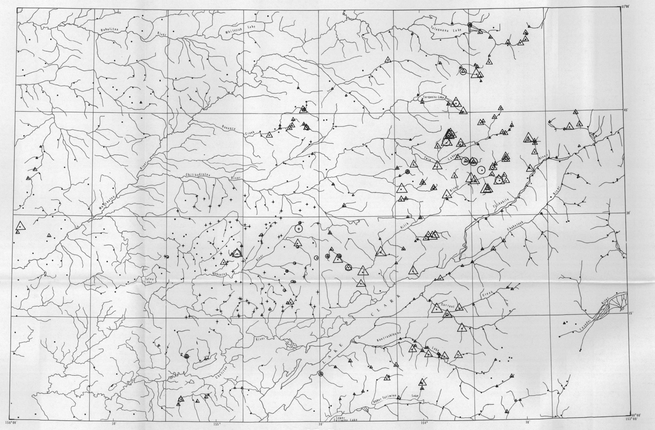


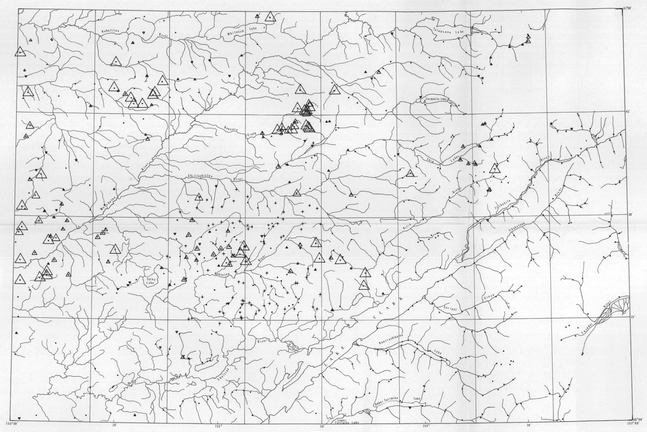
COPPER



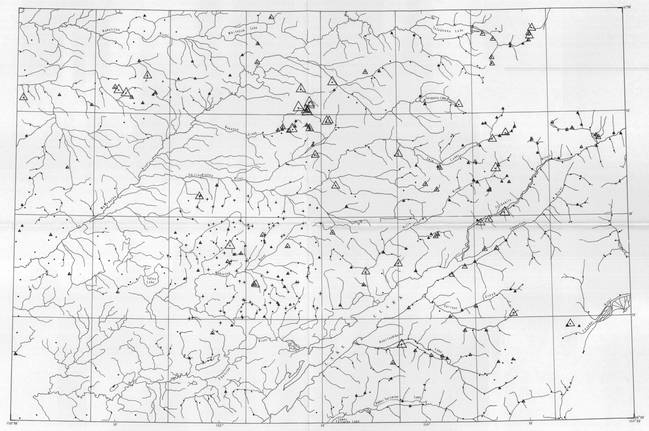
MOLYBDENUM



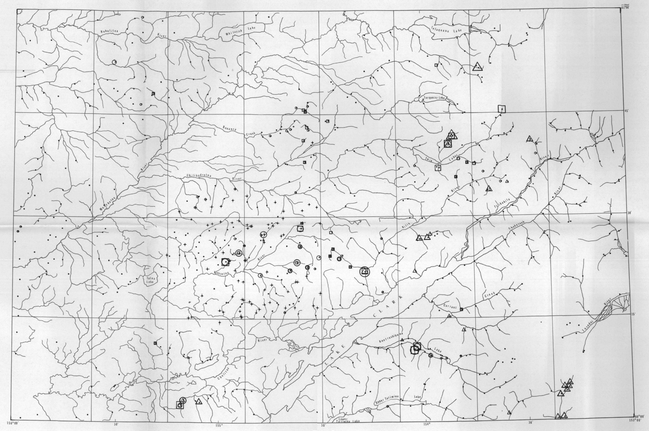
LEAD



TIN



TUNGSTEN



ZINC

Figure 6.--Single-element maps showing the distribution and abundance of silver, arsenic, gold, copper, molybdenum, lead, tin, tungsten, and zinc in nonmagnetic heavy-mineral-concentrate samples (C3 fraction) from stream sediment and silver, arsenic, gold, copper, molybdenum, lead, and zinc in less-than-0.18-mm stream-sediment samples, Lake Clark quadrangle. Background values determined to have very little or no likelihood of being anomalous were excluded from these maps.

MAPS SHOWING THE DISTRIBUTION AND ABUNDANCE OF SELECTED ELEMENTS IN TWO GEOCHEMICAL SAMPLING MEDIA, LAKE CLARK QUADRANGLE, ALASKA

By
H. D. King, R. B. Tripp, E. F. Cooley, and W. D. Crim

1985

MISCELLANEOUS FIELD STUDIES
MAP MF-1114-C
FOLIO OF THE LAKE CLARK QUADRANGLE, ALASKA
SHEET 4 OF 4

EXPLANATION

SAMPLE SITE

Site where both nonmagnetic heavy-mineral concentrate and less-than-0.18-mm stream-sediment samples were collected

\+ Site where only less-than-0.18-mm stream-sediment sample was collected

ANALYTICAL VALUE--Shown for selected background samples and for samples containing anomalous concentrations, as shown in figure 7. Background values with very little or no likelihood of being anomalous are excluded from the maps. Size of symbol indicates range, in parts per million, of concentration of element in samples, as shown in figure 7. Analyses by semiquantitative spectrography unless otherwise indicated

△ Nonmagnetic heavy-mineral-concentrate sample

○ Less-than-0.18-mm stream-sediment sample--Includes gold and zinc values determined by atomic absorption and arsenic values determined by confined-spot procedure

□ Less-than-0.18-mm stream-sediment sample analyzed by semiquantitative spectrography--Symbol used only for zinc values

Note: Grid shows boundaries of 1:63,360 quadrangles.

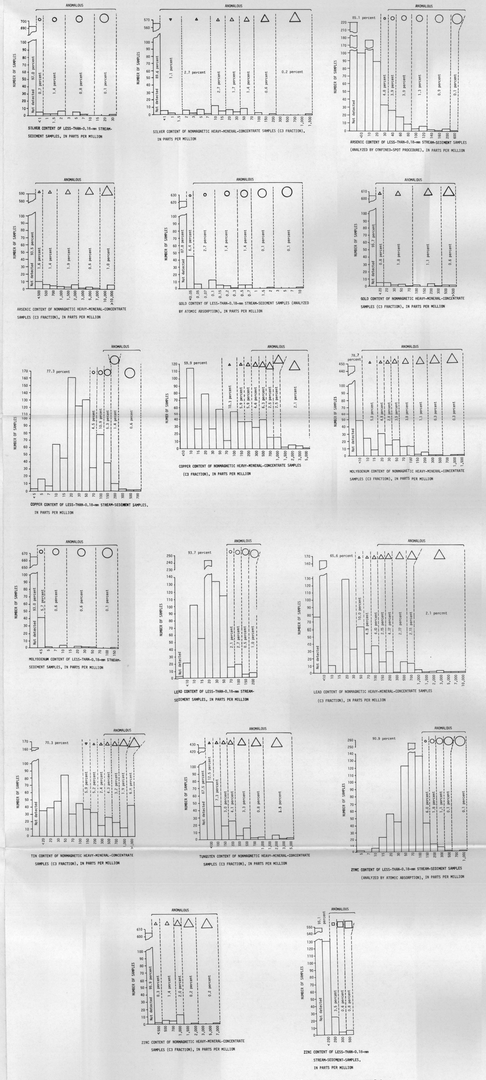


Figure 7.--Histograms showing concentrations of silver, arsenic, gold, copper, molybdenum, lead, tin, tungsten, and zinc in 631 nonmagnetic heavy-mineral-concentrate samples (C3 fraction) from stream sediment and silver, arsenic, gold, copper, molybdenum, lead, and zinc in 714 less-than-0.18-mm stream-sediment samples, Lake Clark quadrangle. Anomalous concentrations considered anomalous, and percentage of total number of samples represented by each range. Analyses were by semiquantitative spectrography except where otherwise noted. Triangles, circles, and squares, which vary in size to denote concentration, correspond to symbols used in figure 6. Ranges of concentrations corresponding to the symbols were selected arbitrarily.

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