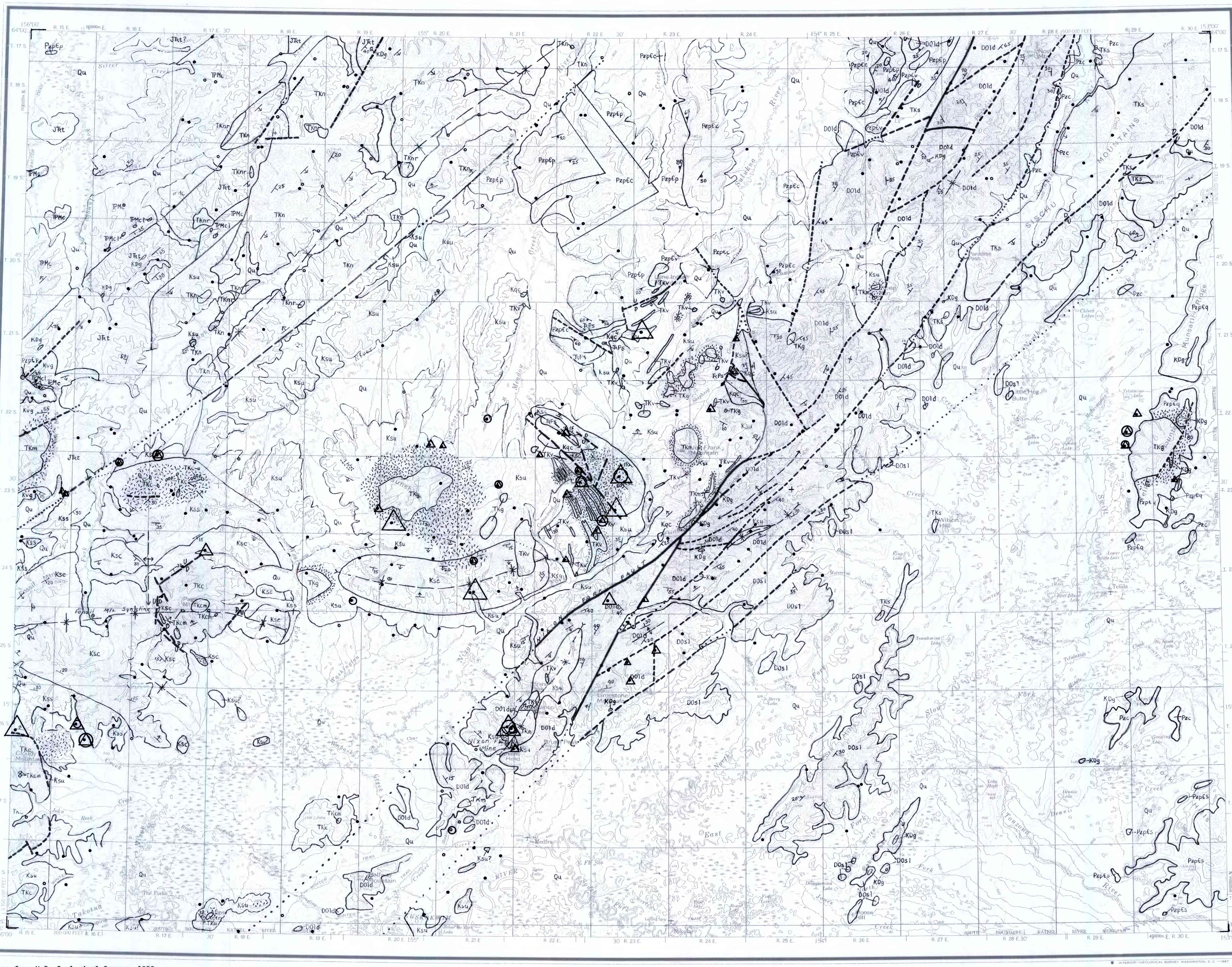
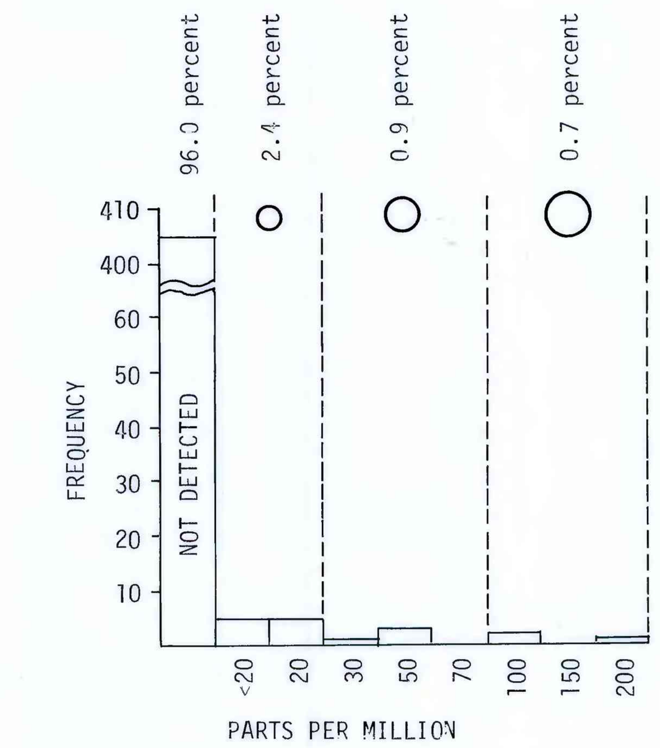
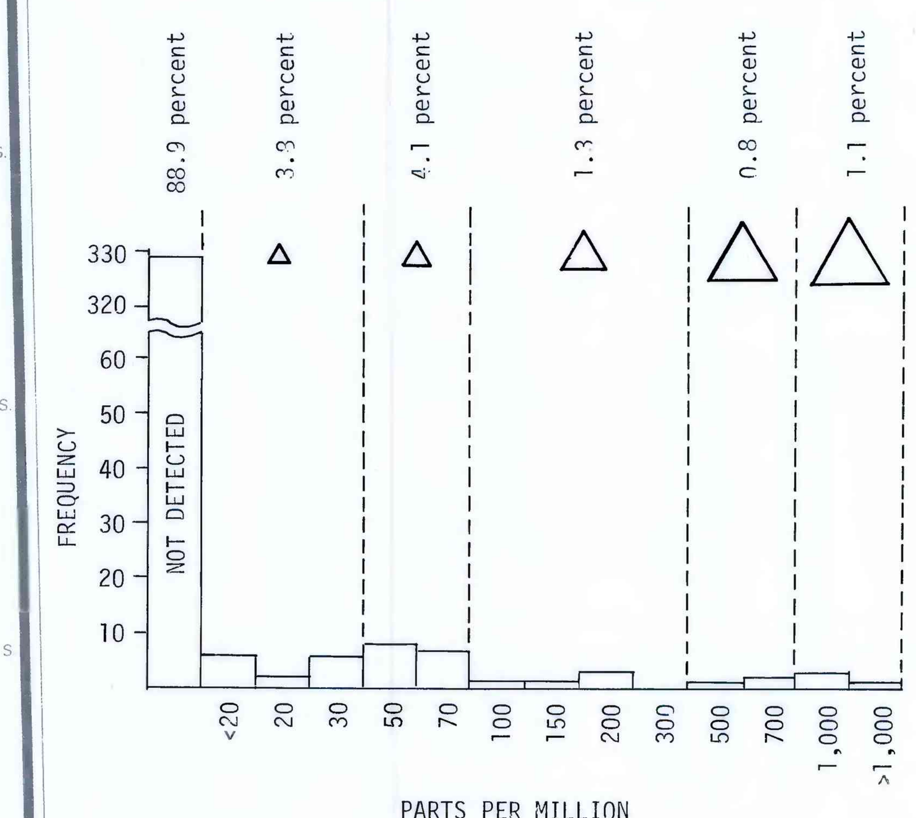
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT 80-811 K
SHEET 3 OF 3





Bismuth in moderately magnetic heavy-mineral-concentrate samples



Bismuth in nonmagnetic heavy-mineral-concentrate samples

Figure 3.--Histograms for bismuth in 370 nonmagnetic and in 422 moderately magnetic heavy-mineral-concentrate samples, Medfra quadrangle, Alaska, showing symbols denoting concentrations and percentage of total number of samples represented by each range.

EXPLANATION OF SAMPLE-SITE SYMBOLS

SAMPLE SITES

- • Nonmagnetic and moderately magnetic heavy-mineral-concentrate samples
- ∘ Moderately magnetic heavy-mineral-concentrate samples
- + Nonmagnetic heavy-mineral-concentrate samples

Base from U.S. Geological Survey, 1959

Geology generalized from Patton and others, 1980

SCALE 1:250000

5 0 5 10 15 20 25 MILES

5 0 5 10 15 20 25 KILOMETERS

CONTOUR INTERVAL 200 FEET
DOTTED LINES REPRESENT 100-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL
1959 MAGNETIC DECLINATION AT SOUTH EDGE OF SHEET VARIES FROM 23°00' TO 24°30' EAST

BISMUTH IN NONMAGNETIC AND MODERATELY MAGNETIC HEAVY-MINERAL-CONCENTRATE SAMPLES

DISTRIBUTION AND ABUNDANCE OF ARSENIC AND BISMUTH IN NONMAGNETIC AND MODERATELY MAGNETIC HEAVY-MINERAL-CONCENTRATE SAMPLES AND ARSENIC IN MINUS-80-MESH STREAM-SEDIMENT AND ASH OF AQUATIC-BRYOPHYTE SAMPLES, MEDFRA QUADRANGLE, ALASKA

By H. D. King, E. F. Cooley, and D. L. SPIESMAN, Jr.

1983