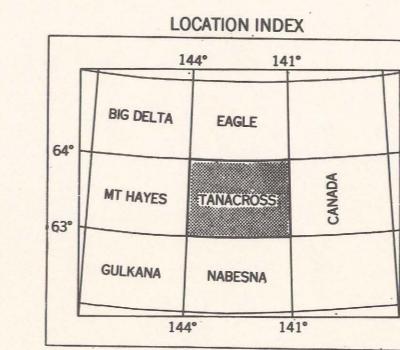
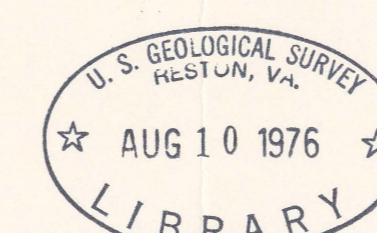


Scale 1:500,000
1 inch equals approximately 8 miles
10 0 10 20 30 40 Miles
10 0 10 20 30 Kilometers



GEOCHEMICAL MAPS SHOWING THE DISTRIBUTION AND ABUNDANCE OF ARSENIC AND MERCURY IN THE TANACROSS QUADRANGLE, ALASKA

G. C. CURTIN, R. M. O'LEARY, AND R. B. CARTEN

EXPLANATION

GEOLOGY GENERALIZED FROM FOSTER (1970)

CORRELATION OF MAP UNITS

UNCONSOLIDATED DEPOSITS

QUATERNARY

Qsm SEDIMENTARY ROCKS
IGNEOUS AND METAMORPHIC ROCKS

Qts TERTIARY
Tm TERTIARY(?)
TTm Tm TERTIARY OR MEZROZOIC

Kr

CRETACEOUS(?)
Klm CRETACEOUS OR JURASSIC

Tl Kr MESOZOIC OR PALEOZOIC
Td PALEOZOIC(?)
SpCn PALEOZOIC AND OR PRECAMBRIAN

DESCRIPTION OF MAP UNITS

UNCONSOLIDATED DEPOSITS

Qsu UNCONSOLIDATED SEDIMENTARY DEPOSITS
Sedimentary Rocks

Kr DETRITAL ROCKS (CRETACEOUS)
Klm MENTASTA ARGILLITE OF RICHTER (1967) (JURASSIC OR CRETACEOUS)

Gts IGNEOUS AND METAMORPHIC ROCKS

Tm BARAL

Tm MARIC VOLCANIC ROCKS

Tk FELBIC TUFF, WELDED TUFF, LAVA, AND HYABYSSAL INTRUSIVE ROCKS

TTm GRANITIC ROCKS, UNDIVIDED

Ttmb GABBRO

Tmb ULTRAMAFIC ROCKS

Rd DIORITE

Epm METAMORPHIC ROCKS, UNDIVIDED

GEOLOGIC SYMBOLS

CONTACT, APPROXIMATELY LOCATED
FAULT, DASHED WHERE APPROXIMATELY LOCATED, DOTTED WHERE CONCEALED.
D, UPTHRIFT SIDE; D, DOWNTHRIFT SIDE

FAULT OR LINEAMENT FROM AERIAL PHOTOGRAPH

X BASE METAL PROSPECTS NORTH OF THE TANANA RIVER

GEOCHEMICAL SYMBOLS

O BACKGROUND VALUES

Weakly anomalous values

Strongly anomalous values