

**Lake Sediment Contamination:** The use of lake sediments as an indicator of contamination and pollution is well known. The use of lake sediments as a source of information on the contamination of the water in the lake is also well known. The use of lake sediments as a source of information on the contamination of the water in the lake is also well known. The use of lake sediments as a source of information on the contamination of the water in the lake is also well known.

**At the whole, reconnaissance, sampling interval, it is unlikely that any sample will be taken from within the limits of the necessary dispersion field of a single ore deposit, therefore, counting on the possibility of detecting a single ore deposit, it is necessary to sample the sediment in a series of points along the length of the lake. The most common is that the first-grained particles of a component are an excellent indicator of the location of the ore deposit. The occurrence of heavy metals in the sediment is a function of the amount of sediment deposited in the lake. The amount of sediment deposited in the lake is a function of the amount of sediment deposited in the lake.**

**Methods of Sampling:** The lake sediment samples were collected by boat-borne auger from 100 to 200 m from the shore of the lake to a depth of 10 to 20 cm. The samples were collected from the surface of the sediment. The samples were collected from the surface of the sediment. The samples were collected from the surface of the sediment.

**Statistical Treatment and Analysis:** The sediment samples were dried, then ground to a fine powder and analyzed for copper by the method of atomic absorption spectrophotometry. The samples were analyzed for copper by the method of atomic absorption spectrophotometry. The samples were analyzed for copper by the method of atomic absorption spectrophotometry.

Province	Number of Sediments	Mean	Standard Deviation	Maximum	Minimum
Slave Province	10	15.4	5.3	21.1	9.0
Bear Province	10	15.3	5.3	21.1	9.0

**Copper in the Slave and Bear Provinces:** The copper content of the lake sediments in the Slave and Bear Provinces is generally low, with values ranging from 10 to 20 ppm. The copper content of the lake sediments in the Slave and Bear Provinces is generally low, with values ranging from 10 to 20 ppm. The copper content of the lake sediments in the Slave and Bear Provinces is generally low, with values ranging from 10 to 20 ppm.

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- LEGEND**
- PROTEROZOIC**
    - Hb Cabro stria, sheets, dykes
    - HELENIAN
      - Hqg ELLICE FORMATION: quartzite, conglomerate
    - APHEBIAN
      - GOULBURN GROUP
        - HsRHSIDE RIVER FORMATION: pink quartzite, conglomerate, sandstone, shale
        - W. RIVER FORMATION: quartzite, greywacke, red siltstone, shale, carbonates, conglomerate
      - Ag Quartz diorite, quartz monzonite, granodiorite, granite
      - An Granitic gneiss, migmatite, mixed gneisses involving Yellowknife rocks
      - Agn Granitoid gneiss, gneiss, minor granite, biotite-borokidite schist and gneiss (within the Churchill Province)
    - YELLOWKNIFE SUPERGROUP**
      - yAsw Crystalline, shale
      - yAsd Crystalline-schistose bearing muscovite schist and other metamorphic equivalents of yAsw
      - yAvs Acidic lava, tuff, agglomerate
      - yAvs Intermediate to basic lava, tuff, agglomerate, and undifferentiated acidic volcanic rocks
  - Boundary between Slave and Churchill geological provinces
  - Anticline
  - Syncline
  - Mineral prospect showing principal element(s)
  - Lake sample site and metal concentration (sediment mixed to minus 100 mesh)
  - Lake sample site and metal concentration (sediment mixed to minus 100 mesh)
  - Geochemical concentration contours as ppm

- MINERALS**
- Copper.....Cu
  - Lead.....Pb
  - Gold.....Au
  - Zinc.....Zn
  - Iron.....Fe

Geology after unpublished map compiled by J. C. McGlynn, 1971

Field work by R. E. Allan, R. M. Cameron, C. C. Durham, R. Benson, R. Collier, R. Cumming, G. Lund, D. Mann, C. Priddy, G. Thomas and R. Wozniak

Analyses by J. J. Lynch, R. Horton, W. H. Nelson, W. Alexander and A. Martineau

Marginal notes by R. J. Allan and R. M. Cameron

Geochemical contours and metal concentration numbers drawn by computer drum plotter

Geological cartography by the Geological Survey of Canada

Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Base-map assembled by the Geological Survey of Canada from maps published at the same scale by the Army Survey Establishment, R. C. R. in 1954, 1965

Copies of the topographical maps covering this map-area may be obtained from the Canada Map Office, 615 Booth Street, Ottawa, Ontario K1A 0S9

Mean magnetic declination 1973, 30° 21' East, decreasing 6" annually. Readings vary from 27° 13' in the SE corner to 34° 10' in the NW corner of the map-area

Elevations in feet above mean sea-level

Published 1973

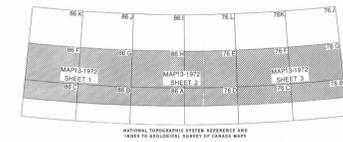
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MAP 13-1972  
SHEET 3  
**COPPER CONTENT OF LAKE SEDIMENTS  
BEAR-SLAVE OPERATION  
DISTRICT OF MACKENZIE**  
Scale 1:250,000

N.M.T. - DISTRICT OF MACKENZIE  
BEAR-SLAVE OPERATION  
1:250,000  
MAP No. 13-1972  
SHEET 3  
1973

13-1972  
G  
3401  
1956-  
G4  
OMVSC



MAP 13-1972  
COPPER  
BEAR-SLAVE OPERATION  
DISTRICT OF MACKENZIE