

Legend modified and geology derived for the geochemical map by R.S. Garrett from maps 24-1970, 3-1972 and 4-1972 and G.S.C. Paper 24-64 by R.E. Esde

Geological cartography by the Geological Survey of Canada

Base-map at the same scale published by the Mapping and Charting Establishment, M.C.E., 1963.

Mean magnetic declination 1977, $16^{\circ}25.5'E$ decreasing $4.0'$ annually. Readings vary from $18^{\circ}36.6'$ in the SE corner to $10^{\circ}22.2'$ in the NW corner of the map area.

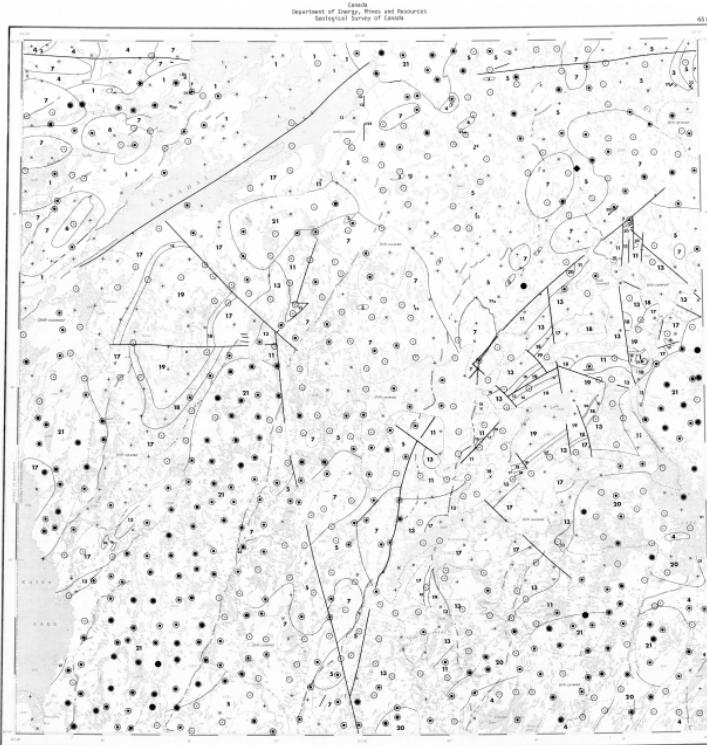
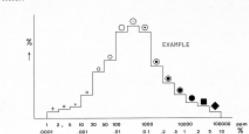
Elevation is feet above mean sea-level.

Geochartical Symbol and Data Presentation

The general mass balance approach, as described by the USGS (1993), is based on the cumulative frequency plots. Since all of the results of all the sampling programs are plotted on the same frequency distribution, the data can be compared directly. The general mass balance approach uses several inputs, including measured precipitation, runoff, evapotranspiration, soil properties, and surficial geology, and other environmental factors. Therefore, the raw data must be collected from a variety of sources to support the mass balance approach. To facilitate the use of a wide variety of measurement techniques, the data are collected in a single data base, which is part of the data listings and provided through various publications. In addition, the data base contains information on the quality of the data, including the number of gauges, statistics and proposed thresholds. The data base also includes a map showing the location of the gauges. The data base is designed to be used in a menu-driven format, so that the user can select the data required for his/her needs. The data base also includes a help facility, which provides information on how to use the data base, or its contents, with the specific location map and the data, if desired.

To comprehensively study an area, all available geological, environmental and recorded data should be utilized. The data imprecision by bedrock type can be reduced by using the mean value of the data for each bedrock type as the threshold based on the most detailed and up-to-date knowledge available.

The sample variability factor and value that appears below the table is an estimate of the variation in the sample mean from the population mean. Sampling 50% of all lakes sampled it can be stated that there is a 95% chance that if any lake is resampled identical methods of sample preparation and analysis will yield the same results as the original sample. This factor does not take into account the heterogeneity of the lake-site bottom sediments and sample preparation and analytical



NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 11
MOLYBDENUM IN LAKE SEDIMENTS
URANIUM RECONNAISSANCE PROGRAM



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The data are also available in digital form. For further information

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NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 11-190
OPEN FILE 415
SOUTHERN DISTRICT OF KEMPTON N.Y.T., 1976

