

ANTIMONY (ppm)

G.S.C. OPEN FILE 868
YUKON AND NORTHWEST TERRITORIES, 1981
NAHANNI MAP (NTS 1051)

Geochemical Symbol and Data Presentation

The concentration of each element is represented by the actual value plotted adjacent to the sample site represented by a "+" symbol. In addition to enhance visual impact, values over the 75th percentile are designated by grey solid squares which are symmetrically arranged so that they increase in size from the 75th to the 99th percentile. The actual concentration range represented by each symbol is illustrated below with a histogram.

In addition to 25 geochemical maps, each Open File contains an appendix consisting of a short discussion of the geochemistry, survey and analytical methodologies, listing of field and analytical data, and statistical data. The statistical data is provided for the total data set as well as for data subsets grouped on the basis of major stratigraphic units.

CONCENTRATION	PERCENTILES
21.8 TO 54.5	99TH TO MAX.
14.8 TO 21.7	98TH TO 99TH
10.6 TO 14.7	95TH TO 98TH
7.9 TO 10.5	90TH TO 95TH
4.6 TO 7.8	75TH TO 90TH

SELECTED MINERAL DEPOSITS AND OCCURRENCES

- Stratabound Zn-Pb (Lower Silurian Age)
- ▲ Stratabound Zn-Pb-Ba (Devonian Age)
- ◆ Stratabound Barite (Devonian Age)
- Replacement Zn, Pb (age unknown)
- Vein Zn, Pb, Ag, Au, Sb (age unknown)
- ▼ Skarn W, Zn (Cretaceous)

Note: Further information on each occurrence or deposit is given in the Appendix which accompanies this open file.

Geochemistry by W.D. Goodfellow
Geological Survey of Canada
Resource Geophysics and Geochemistry Division

CONTRACTORS

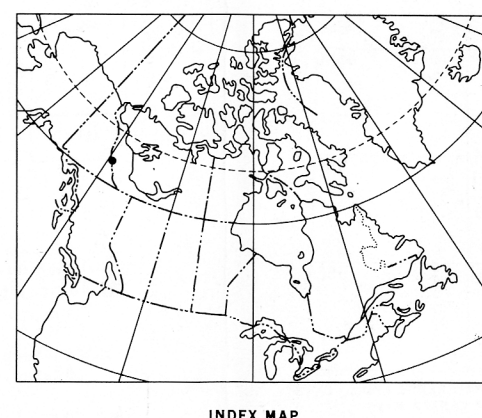
Sample collection by Marshall Macklin Monaghan Ltd., Toronto. Uranium in sediment chemical analysis by Nova Track Ltd., Vancouver. Other sediment chemical analysis by Bondar-Clegg and Company, Ottawa

This map forms one of a series of 26 maps released by the Geological Survey of Canada on Open File 868. Each Open File consists of maps for 19 elements for stream sediments, 5 elements for stream waters, and 1 each for water pH and sample site location.

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

The Director
Computer Science Centre
Department of Energy, Mines and Resources
Ottawa, Ontario
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Mean magnetic declination 1982, 32°08.1' East, decreasing 8.8 annually. Readings vary from 32°44.2' in the SE corner to 33°05.6' in the NW corner of the map.

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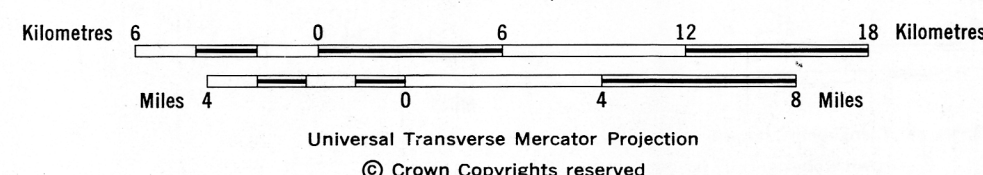
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NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 51-1981

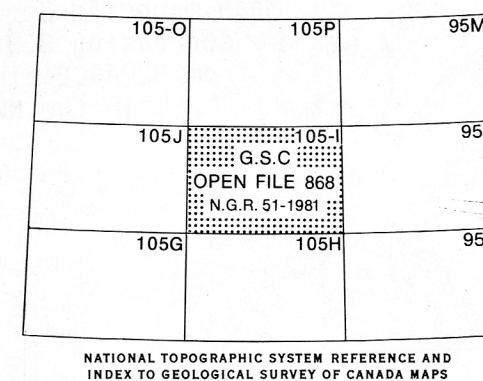
STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY

YUKON AND NORTHWEST TERRITORIES, 1981
NAHANNI MAP (NTS 1051)

Scale 1:250,000



Elevation in feet above mean sea level
Base map drawn and printed by the
Army Survey Establishment R.C.E. 1949-54



Geology by S.P. Gordey 1977, 1978, 1979, 1980 (with contributions from previous work by S.L. Glusson, J.A. Roddick, and L.H. Green (1967)).

(List of outcrops: defined, approximate, assumed or extrapolated beneath overburden)

Fault, steeply dipping (defined, approximate, assumed or extrapolated beneath overburden; barb on downthrow side)

No analytical result
Geology by S.P. GORDEY (1981), Geological Survey of Canada, Open File 780

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