

Note: This report is subject to National Oceanographic Research Policy, Part 1716, 6-15, Rev. 10-64, Appendix B, Part 1715.9-1, Rev. 10-64.

- MS 500**
DESCRIPTION (See separate sheet and index, where applicable)
SYMBOLS (See separate sheet and index, where applicable)
LEGEND (See separate sheet and index, where applicable)
INDEX (See separate sheet and index, where applicable)
APPENDICES (See separate sheets and index, where applicable)
REFERENCES (See separate sheet and index, where applicable)
ACKNOWLEDGMENTS (See separate sheet and index, where applicable)
ABBREVIATIONS (See separate sheet and index, where applicable)
EXPLANATION (See separate sheet and index, where applicable)
NOTES (See separate sheet and index, where applicable)
REVISIONS (See separate sheet and index, where applicable)
MAP SHEETS (See separate sheet and index, where applicable)
SCALE (See separate sheet and index, where applicable)
UNIT OF MEASURE (See separate sheet and index, where applicable)
PROJECTION (See separate sheet and index, where applicable)
COORDINATES (See separate sheet and index, where applicable)
DATE (See separate sheet and index, where applicable)
BY (See separate sheet and index, where applicable)
FOR (See separate sheet and index, where applicable)
FILE NO. (See separate sheet and index, where applicable)
PROJECT NO. (See separate sheet and index, where applicable)
DEPARTMENT/AGENCY (See separate sheet and index, where applicable)
PROJECT TITLE (See separate sheet and index, where applicable)

Geological map and geology derived for the geological map by H. E. Garrett from maps 34-1070, 3-1102 and 4-1102 and G.L.C., Paper 74-38, 39, 41, 42a, 43a

Geological cartography by the Geological Survey of Canada
 Base-map at the same scale published by the Mapping and Charting Establishment, M.C.E., 1-62

Mean magnetic declination 1977, 10°25.5' E decreasing 4.0' annually. Mean-true north magnetic is to be taken as 1977.2, to the SW corner of the map area

Elevation in feet above mean sea-level

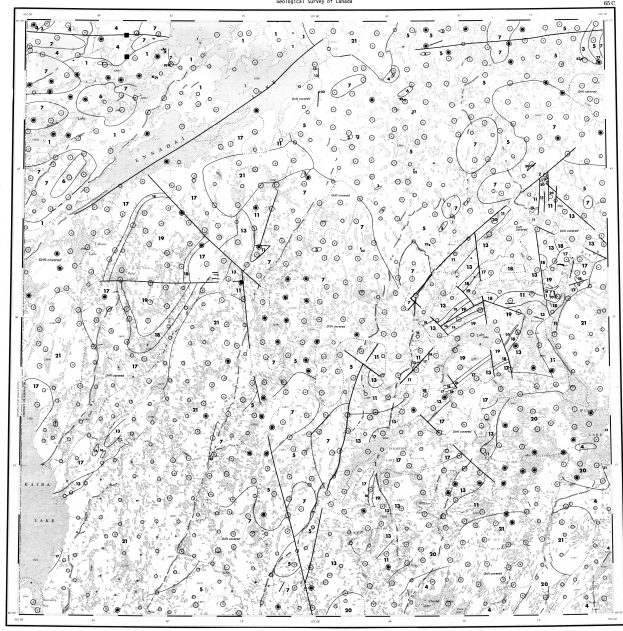
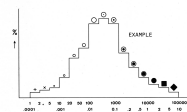
Geological Symbols and Data Presentation

The concentration of an element at a sample site is graphically represented as one of 125 symbols, if a sample site is collected but there is no data available it is plotted. The symbols are graphically arranged so that the first one changes in size in the right-hand and then increases in blackness to the second concentration below the analytical detection limit, or in the data group containing the lowest detection limit. The data are grouped in a systematic way, i.e., 1, 2, 3, 10, 20, 50, 100 etc. Five heads and no tail and the primary divisions has been chosen for the main details and series of main concentration the 125 symbols.

The choice of symbols and the size areas they represent for any specific element is based on the frequency distribution for that element from the total survey data from one, or more concentration, open field sites chosen in the field station. The graph symbol is used for the main group as defined by the frequency data group usually include the middle of the data as defined by the 5-95 percent confidence interval. One, or all, of the remaining 25 symbols for 15 symbols is given below.

The symbol sizes, which are based on the total survey data distribution, are uncorrected for the availability of more intensive levels of knowledge to be used and vertical symbols, and other environmental factors. Therefore, the use of the symbols in this map is based on the total survey data distribution. In order to provide for the data listings and any other knowledge available, in order to the statistical and non-statistical data, in terms of the data and background distribution. The non-statistical data should be plotted with the statistical data, and the data should be derived from each rock sample with or without lithologic unit, again based on the total survey data distribution. In order to provide for the data listings and any other knowledge available, in order to the statistical and non-statistical data, in terms of the data and background distribution. The non-statistical data should be plotted with the statistical data, and the data should be derived from each rock sample with or without lithologic unit, again based on the total survey data distribution.

The data are plotted on the map in terms of the data and background distribution. In order to provide for the data listings and any other knowledge available, in order to the statistical and non-statistical data, in terms of the data and background distribution. The non-statistical data should be plotted with the statistical data, and the data should be derived from each rock sample with or without lithologic unit, again based on the total survey data distribution.



NATIONAL GEOLOGICAL RECONNAISSANCE MAP 11-1070
NICKEL IN LAKE SEDIMENTS
URANIUM RECONNAISSANCE PROGRAM
 Scale 1:250,000
 Prepared for the Uranium Research Program
 © Her Majesty the Queen, 1977

This map is a reproduction of the original map and is not to be used for other purposes.

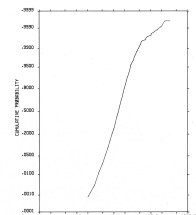


Figure 1. Correlation intensity and percentage frequency of L. 0 (PPI) in core sediments. n = 2528.

Table of Thresholds by Major Geological Units

Lithology	No. of Samples	Mean	S.D.	C.V.	Threshold
GRK1	870	1.0	4.4	4.2	33
COMP	619	1.7	6.3	4.0	50
OSM	79	1.7	3.4	1.9	20
OSM2	14	1.4	2.4	1.8	21
TR	40	1.6	2.4	1.5	20
OSM3	107	1.8	2.7	1.5	20
OSM4	203	2.2	3.1	1.4	20
LOM	7	3.3	10.3	3.1	>
OSM5	100	1.6	2.8	1.8	20
PLM1	105	1.7	15.2	9.0	60
OSM6	203	1.6	2.8	1.8	20
OSM7	50	1.6	3.8	2.5	20
OSM8	50	1.6	3.8	2.5	20
UNKN	501	1.5	6.2	4.1	30

Data units are ppm. Reliability Factor = 1.23

NATIONAL GEOLOGICAL RECONNAISSANCE MAP 11-1070
 OPEN FILE 418
 Research Geology and Geochemistry Division
 Geological Survey of Canada, Ottawa
 Geoscientist G. M. Marmoron
 Analytical Chemistry by J. J. Lyle
 Data interpretation by G. M. Marmoron, L. Land and J. J. Lyle
 Contributors
 Sample collection by F. W. Wallart & Associates Ltd.
 Analytical Chemistry by Ottawa Lab Ltd.

This map forms one of a series of 41 sheets released under Geological Survey of Canada Open File 418. File No. This file consists of data for 11 elements used for lake sediments, percent loss on ignition, and elements for lake waters and sample site location.

The data are also available in digital form. For further information please contact:
 The Director
 Computer Science Centre,
 Department of Geology, Mines and Resources,
 Ottawa, Ontario K1P 8S5
 NATIONAL GEOLOGICAL RECONNAISSANCE MAP 11-1070
 OPEN FILE 418
 SOUTHERN DISTRICT OF KENNETTIN N.W.T., 1976
 REELS