



MISCELLANEOUS PUBLICATION 99-1

COMPILATION OF GEOSCIENCE INFORMATION FOR THE LEAF RAPIDS AREA (NTS 64B)

What It Is

This CD-ROM compilation is intended to be the first in a series of products designed to provide a quick reference for geoscience information available for various mineral producing areas. It presents a selection of geoscience and reference information for the area around Leaf Rapids, Manitoba, focusing on the Rusty Lake greenstone belt that is host to the Ruttan Mine (Cu, Zn). Included are illustrations of selected geoscience data that can be of assistance in mineral exploration, including: geology maps, mineral deposits data, aeromagnetic maps and lake sediment geochemistry. The full range of available information is not included, but is listed in the bibliography. For convenience the bibliography has been cross-referenced by subject. Main headings include: Precambrian Geology and Mineral Deposits, Geophysics, Geochemistry, and Quaternary Geology (maps and reports).

How It Works

Individual topics (such as geophysics and geochemistry) are contained in their own files but can be accessed using the blue hyperlink boxes in the contents list below. Any blue box can be “clicked” with the mouse and you will be linked to the topic in the box. On maps with mineral occurrence numbers the hyperlink is from the occurrence number, not the red location dot. Blue boxes with no text in them will return you to this contents document. Individual files can also be accessed directly using Acrobat Reader®.

All of the maps included in the PDF files were produced at the original map scale, either 1:250 000 or 1:50 000 for the more detailed maps. If you wish to print these maps to a letter-size printer be sure to select “print to fit” from the Acrobat print dialog. If you have a large format printer (capable of prints up to 36” x 24”) then the maps can be printed to scale.

CONTENTS:

GEOPHYSICAL IMAGES

Selected geophysical images derived from total field (200 m) and gravity data. Included potential field images combined with geology maps.

GEOLOGICAL MAP AND MINERAL OCCURRENCES – NTS 64B 1:250 000 SCALE

Geological map for the Uhlman Lake map sheet (NTS 64B) with mineral occurrence data linked from occurrence numbers on the map.

GEOLOGICAL MAP AND MINERAL OCCURRENCES – LEAF RAPIDS AREA 1:50 000 SCALE

Geological map for the southern part of the Rusty Lake volcanic belt with mineral occurrence data linked from occurrence numbers on the map.

LAKE SEDIMENT GEOCHEMISTRY

“Bubble plot” maps of selected elements from lake sediment geochemical surveys. Annotated with interpretations.

MINERAL CLAIMS, MINERAL LEASES AND PERMITS – NTS 64B

Base maps (1:250 000 and 1:50 000) showing the status of claims, leases and permits as of October 20, 1999.

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Cross-referenced bibliography for NTS 64B (links below).

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GEOPHYSICS

GEOCHEMISTRY

QUATERNARY GEOLOGY

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