

Figure 1. Inset map showing the location of the study area within Manitoba and the Great Lakes region. The inset map shows the location of the study area within Manitoba and the Great Lakes region. The inset map shows the location of the study area within Manitoba and the Great Lakes region.

REFERENCES
Boutin, G.S. and Clark, C.D., 1996. A high resolution Laurentian ice sheet revealed by satellite images of glacial features in northern Manitoba.
Campbell, J.E., Trommen, M.S., McCarty, M.W., Bohn, C.D., and Ross, M., 2012. The composition and ice flow indicators of the Laurentian ice sheet in northern Manitoba.
Geological Survey of Canada, Open File 6997. 1 CD-ROM. Manitoba Innovation, Energy and Mines, Manitoba Geological Survey, 198 pp.

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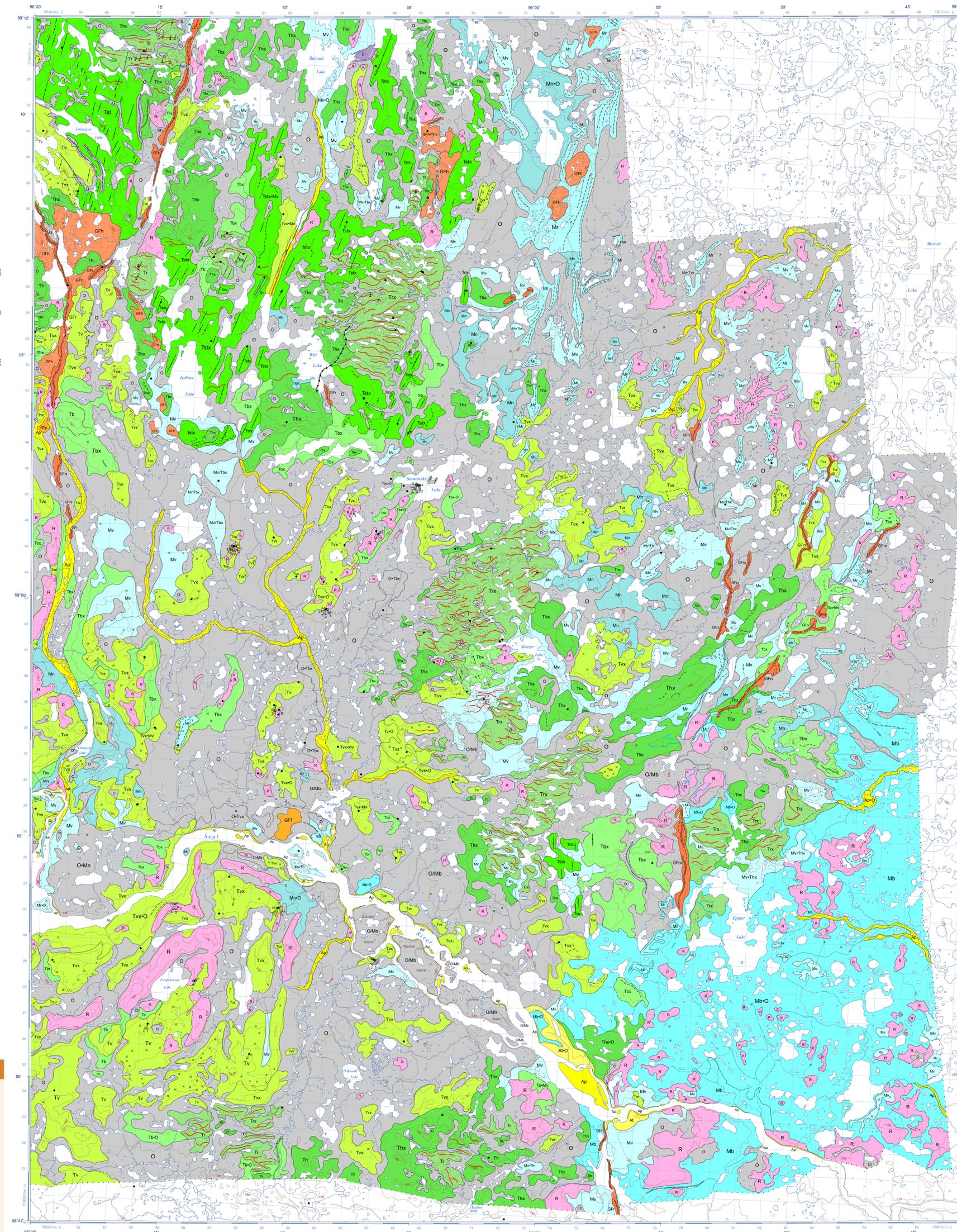
ABSTRACT
Northeast Manitoba is marked by a series of glacial and periglacial features, including moraine belts, esker ridges, and ice sheet margins. This map provides a detailed description of the surficial geology of the region, including the location and extent of glacial features, the composition and ice flow indicators of the Laurentian ice sheet, and the relationship between glacial features and the underlying geology. The map is based on a combination of field observations, aerial photography, and geophysical data. The map is presented in a color-coded format, with different colors representing different glacial features and ice flow indicators. The map is intended for use by geologists, geographers, and other researchers interested in the glacial history of the region.

Table with 2 columns: National Topographic System reference and Index to adjoining published maps. It lists various map sheets and their corresponding coordinates.

Cover illustration:
Surrealist landscape with a large, stylized figure in the foreground, set against a background of a sunset or sunrise over a body of water.
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Geological Survey of Canada / Canadian Geoscience Map 43
Manitoba Geological Survey
Geoscientific Map MAP2011-4
SURFICIAL GEOLOGY
SOSNOWSKI LAKE
Manitoba
1:50 000

Canadian Geoscience Maps
Cartes géoscientifiques du Canada
Canada
Manitoba



QUATERNARY SURFICIAL DEPOSITS
LEGEND
ORGANIC DEPOSITS: Unconsolidated peat and muck, 1 m or greater than 5 m thick, formed by the accumulation of plant material in various stages of decomposition; generally occurs as flat, wet, and marshy areas.
FLUVIACIOUS DEPOSITS: Poorly sorted sand and silt with 0-20% pebbles, deposited by meltwater flow in a subglacial or marginal environment.
GLACIAL DEPOSITS: Poorly sorted sand and silt with 0-20% pebbles, deposited by meltwater flow in a subglacial or marginal environment.
LEGEND (continued)
GLI: Ice-contact deltaic sediments: well to moderately stratified sand and gravel, forming a fan-shaped deltaic deposit.
GLV: Glaciolacustrine veneer: discontinuous, thin, and irregularly distributed.
GLB: Glaciolacustrine blanket: continuous cover greater than 2 m thick, forming a flat to undulating topography that locally obscures underlying topography.
GLF: Glaciolacustrine veneer: discontinuous sand and gravel cover, less than 1-2 m thick, underlying topography is discernible.
GLG: Glaciolacustrine blanket: continuous sand and gravel cover greater than 2 m thick, underlying topography is discernible.
GLH: Glaciolacustrine veneer: discontinuous sand and gravel cover, less than 1-2 m thick, underlying topography is discernible.
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LEGEND (continued)
R: Precambrian rocks, metasedimentary, metamorphic rocks and associated intrusive rocks; may be overlain by a thin, discontinuous veneer of till in certain, unshaded areas, and/or a discontinuous veneer of sand and/or silt prior to the Laurentian ice sheet.
LEGEND (continued)
Esker, direction known
Major moraine ridge
Crevasse ridge
Dummock ridge or fluting
Dummock
Stratified bedrock, direction unknown
Major meltwater corridor
Major meltwater corridor
Raised beach, wave-cut notch
Limit of submergence, marine and/or glaciomarine (wave-cut benches, washing limits)
Limit of submergence, glaciolacustrine (wave-cut benches, washing limits)
Small outcrop
Field site with sample
Field site without sample
Stratigraphic column
Name
Kettle

SURFICIAL GEOLOGY
SOSNOWSKI LAKE
Manitoba
1:50 000
Authors: M.S. Trommen and J.E. Campbell
Manitoba Geological Survey, 601 Booth Street, Ottawa, Ontario K1A 0G8
Aerial photograph interpretation (1:50 000 scale) and geology by M.S. Trommen (2009) and J.E. Campbell (2010) field mapping.
Digital compilation by J. Robertson, 2010-2011
Cartography by D. Viner
Scientific editing by E. Inglis
Map projection Universal Transverse Mercator, zone 14, North American Datum 1983
Base map at the scale of 1:50 000 from Natural Resources Canada, with modifications

Geological Survey of Canada / Canadian Geoscience Map 43
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Geoscientific Map MAP2011-4
SURFICIAL GEOLOGY
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