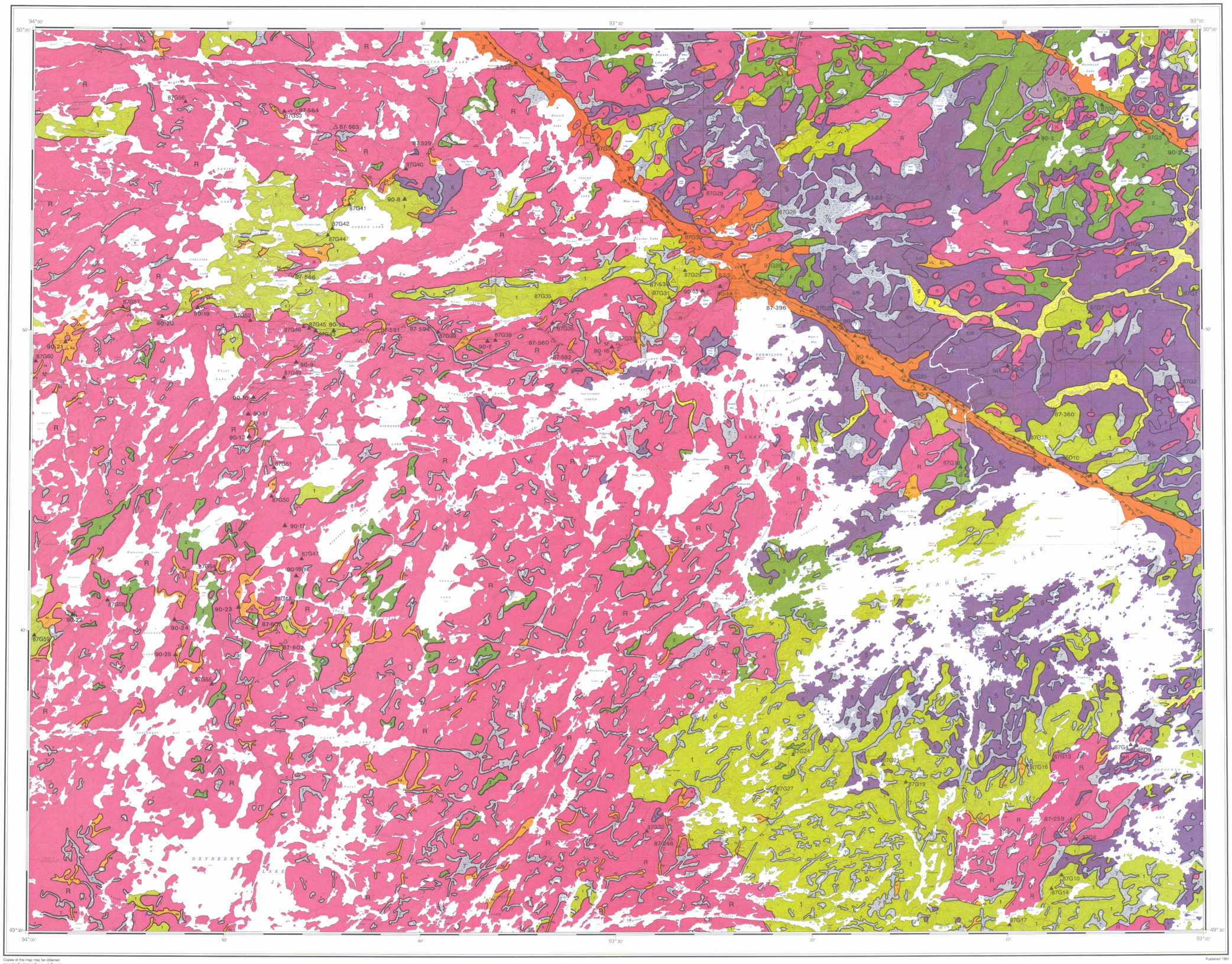
GEOLOGICAL SURVEY OF CANADA COMMISSION GÉOLOGIQUE DU CANADA



LEGEND

A younger unit overlying an older unit is denoted by, for example, **9/7**.
A mixed unit is shown as the main unit first, comprising more than 50%, and the secondary unit in brackets, for example **2(6)**.

Coloured legend blocks indicate map units that appear on this map
Not all map symbols shown in the legend necessarily appear on this map

QUATERNARY

HOLOCENE — NONGLACIAL

10 — *LACUSTRINE DEPOSITS: sand; 1-2 m thick; beaches, bars, spits*

9 — *ALLUVIAL DEPOSITS: sand, silt, muck; minor gravel; 1-3 m thick; occurs on floodplains and low terraces*

8 — *EOLIAN DEPOSITS: fine to very fine sand; 1-3 m thick; small dunes in lee of rock knobs*

7 — *ORGANIC DEPOSITS: peat and muck; 1-4 m thick; muskegs, fens string bogs; commonly overlies glaciolacustrine mud*

LATE WISCONSINAN — PROGLACIAL AND GLACIAL

GLACIOLACUSTRINE DEPOSITS: sediments deposited into glacial Lake Agassiz predominantly as underflows and littoral deposits

6 — ***Littoral and shallow water deposits:*** *sand, gravel, silt; 1-3 m thick; small beach ridges.* **6a**, *gravel and gravelly sand,* **6b**, *sand with silty fine sand*

5 — ***Deep water deposits:*** *laminated to varved clay, silt and fine sand; 1-75 m thick; mainly occupies depressions*

GLACIOFLUVIAL DEPOSITS: sediments deposited predominantly into glacial Lake Agassiz as subaqueous fans and subaerially in braided streams

4 — ***Outwash deposits:*** *sand and gravel; 1-5 m thick; occurs as braidplains.* **4a**, *mainly gravel,* **4b**, *sand with gravelly sand*

3 — ***Ice-contact deposits:*** *rippled sand (thin silt, clay interbeds), gravel, boulders; minor till; 5-15 m thick; end moraines, mainly formed of subaqueous sediment, isolated subaqueous fans, and adjacent eskers*

GLACIAL

GLACIAL DEPOSITS: sediment deposited directly from glacial ice

2 — ***Till:*** *gravelly to bouldery, sandy to sandy-silt till; noncalcareous; 1-6 m thick; blankets bedrock*

1 — ***Drift and rock:*** *rock dominated terrain (25-80% outcrop) with scattered boulders; thin till and stratified deposits, 1-3 m thick in depressions;* **1a**, *calcareous till; sandy to sandy-silt till*

PRECAMBRIAN

R — ***Rock:*** *> 80% outcrop; ice and water eroded Archean granitic; metavolcanic and metasedimentary rocks; patches of thin drift and scattered boulder lags*

Geological boundary
Small bedrock outcrops (not shown for units R *or* 1*)*
Glacial striation (ice flow direction inferred)
Glacial fluting
Moraine ridge
Ice contact slope
Esker (direction of flow inferred)
Kettle hole
Abandoned shoreline feature
Terrace escarpment (fluvial)
Eolian dunes
Sand or gravel pit
Quarry or mine workings
Peat extraction site
Till sample analyzed ▲ 87G7
Till sample not analyzed △ 87G7
Borehole location ■ D1

Geology by G.V. Minning 1987, 1988, and D.R. Sharpe 1987-1989

Geological cartography by the Geological Survey of Canada

Base map assembled by the Geological Survey of Canada from maps at 1:50 000 scale by the Surveys and Mapping Branch, Department of Energy, Mines and Resources in 1978, 1979

Copies of the topographical editions covering this map area may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, Ontario, K1A 0E9

Mean magnetic declination 1990, 02°31'East, decreasing 7.1' annually. Readings vary from 01°54'E in the NE corner to 03°07'E in the SW corner of the map

Elevations in feet above mean sea level

Contribution to Canada–Ontario 1985 Mineral Development Subsidiary Agreement under the Economic and Regional Development Agreement
Project funded by the Geological Survey of Canada

Contribution à l'Entente auxiliaire Canada/Ontario sur l'exploitation minérale 1985 dans le cadre de l'Entente de développement économique et régional.
Ce project a été financé par la Commission géologique du Canada

MAP 1772A

SURFICIAL GEOLOGY

BLUE LAKE

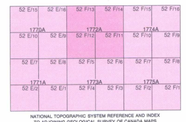
ONTARIO

Scale 1:100 000 - Échelle 1/100 000

Kilometres 2 0 2 4 6 8 Kilometres

Universal Transverse Mercator Projection
Projection transverse universelle de Mercator

INDEX MAP



NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO ADJOINING GEOLOGICAL SURVEY OF CANADA MAPS

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Canada

CANADA ONTARIO Mineral Development Agreement / Entente auxiliaire sur l'exploitation minérale

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1991: Surficial geology, Blue Lake, Ontario; Geological Survey of Canada, Map 1772A, scale 1:100 000.