

NATMAP CARTINAT
Canada's National Geoscience Mapping Program
Le Programme national de cartographie géoscientifique du Canada

LEGEND
Coloured legend blocks indicate map units that appear on this map

- QUATERNARY**
- HOLOCENE**
 - O** ORGANIC DEPOSITS: peat and muck up to 2 m thick, formed predominantly by the accumulation of organic material in bogs, occurs in depressions and along valley bottoms; permafrost is commonly present, contains small pebbles, thin-wedge polygons, and thermokarst collapse structures. Small unmapable organic deposits occur in most terrain units.
 - A** ALLUVIAL DEPOSITS: gravel to silt size sediment deposited by modern streams and rivers; deposits generally are stratified and moderately sorted, 1 to 5 m thick; occurs as floodplains, in places covered by bryans.
 - L** GLACIOLACUSTRINE DEPOSITS: silt and sand cross-stratified to planar bedded, 1 to 8 m thick; deposited into temporary glacial-dammed lakes and ponds.
 - G2** Outwash: rounded gravel and sand, massive to cross-stratified, probably less than 5 m thick; occurs as fan-shaped fans.
 - G1** Estuarine sediments: sand, silt, and gravel, in planar, cross-stratified and massive beds, 1 to 40 m thick; forms ridges with both sharp-crested and flat-topped segments, rounded, and flanking sectors; deposited at or behind the ice margin; formed subglacially or in subglacially exposed ice-marginal channels. Zones of washed rock, small transverse gravel ridges associated with the unit, isolated kame deposits, and circular rim ridges are shown by symbols.
 - T2** Till blanket: from 2 to 10 m thick, occurs as all plains mimicking bedrock topography or as hummocks. Small rock outcrops in this unit are shown by symbols.
 - T1** Till veneer: less than 2 m thick, rock structure is generally visible on outcrops; unit includes patches of bedrock and till blanket.
- PLEISTOCENE (WISCONSIN GLACIATION)**
- G2** GLACIOLACUSTRINE DEPOSITS: silt and sand cross-stratified to planar bedded, 1 to 8 m thick; deposited into temporary glacial-dammed lakes and ponds.
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- PRE-QUATERNARY**
- R3** Granitoid rocks
 - R2** Metasedimentary rocks
 - R1** Volcanic rocks
- Geological boundary**
- Ice-wedge polygon
 - Frost heaved and shattered rock
 - Redaction date
 - Fossil locality
 - Raised beach
 - Lag concentration of glacially abraded boulders
 - Area of meltwater scour
 - Subglacial or proglacial meltwater channel
 - Esker (direction of flow known, unknown)
 - Kames and gravelly terraced ridges
 - Rim ridges and till plateaus
 - Moraine
 - Drummond till form
 - Rock outcrop and tall form
 - Roche moutonnée or whaleback
 - Straton (ice flow direction known, unknown; 1=obscured)
 - Shaton, poorly defined (ice flow direction known, unknown)
 - Ocean
 - Small rock outcrop
 - Sample site

DESCRIPTIVE NOTES

AYLMER LAKE MAP AREA lies in central Mackenzie, on the western side of the Mackenzie River. The map area is bounded by the Mackenzie River to the north, the Mackenzie River to the south, the Mackenzie River to the east, and the Mackenzie River to the west. The map area is bounded by the Mackenzie River to the north, the Mackenzie River to the south, the Mackenzie River to the east, and the Mackenzie River to the west.

Geological history

The area lies within the central part of the Mackenzie River valley. The Mackenzie River valley is a major tectonic feature of the Mackenzie Basin. The Mackenzie River valley is a major tectonic feature of the Mackenzie Basin.

Geological units

The geological units in the map area are: Granitoid rocks (R3), Metasedimentary rocks (R2), and Volcanic rocks (R1). The units are described in the legend.

Quaternary geology

The Quaternary geology in the map area is described in the legend. The units include: Organic deposits (O), Alluvial deposits (A), Glaciolacustrine deposits (L), Pleistocene glaciolacustrine deposits (G2), and Quaternary glaciolacustrine deposits (G1, T2, T1).

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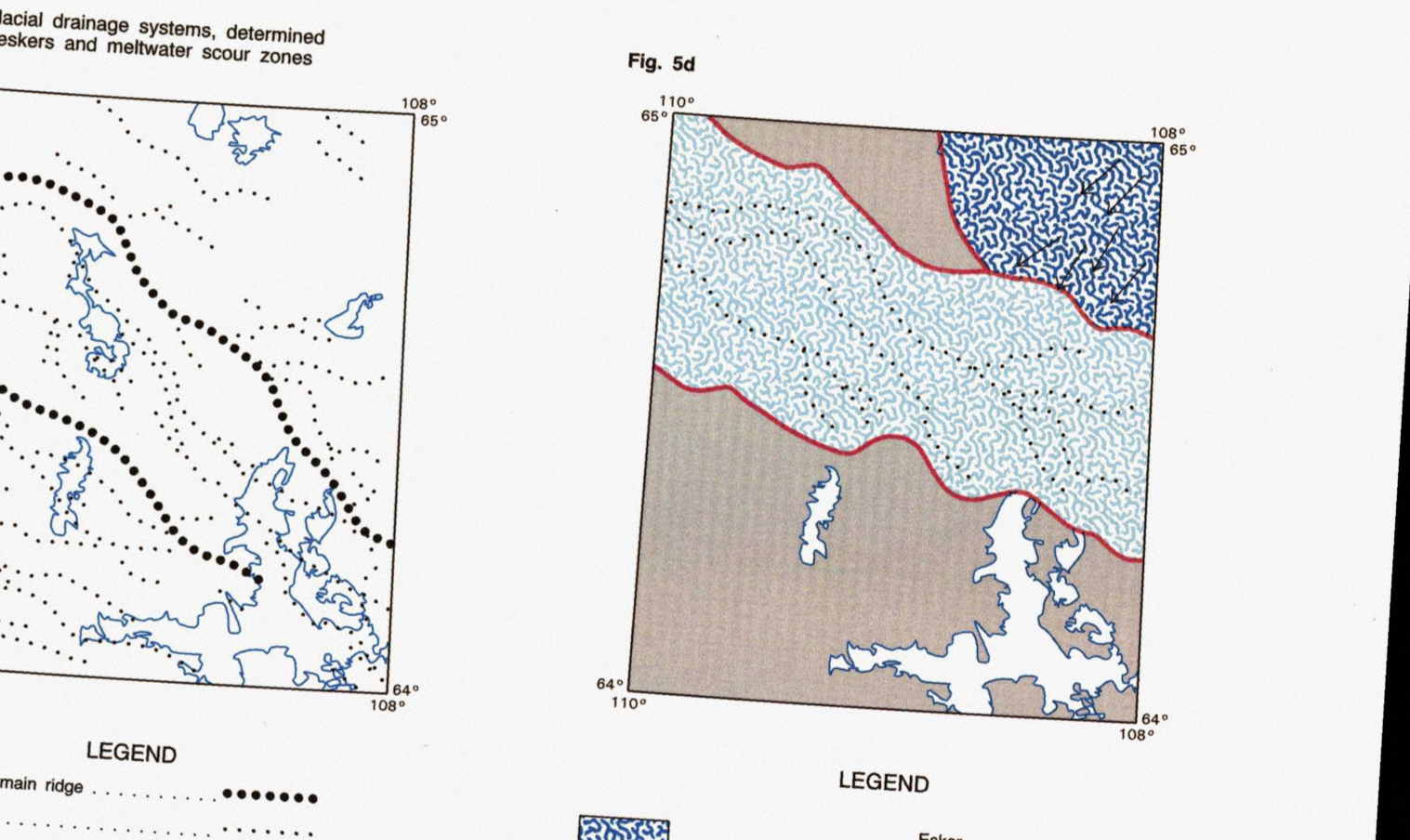
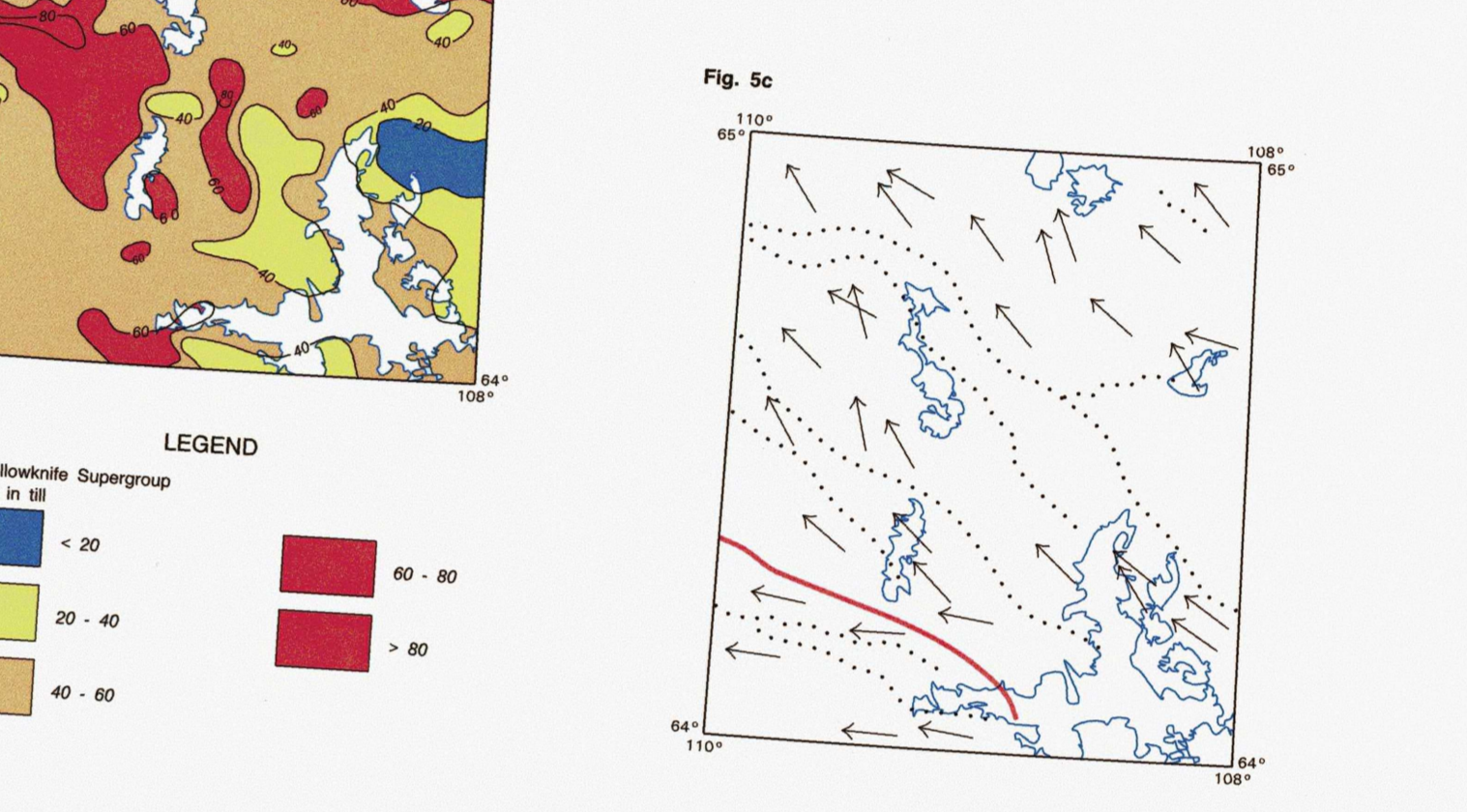
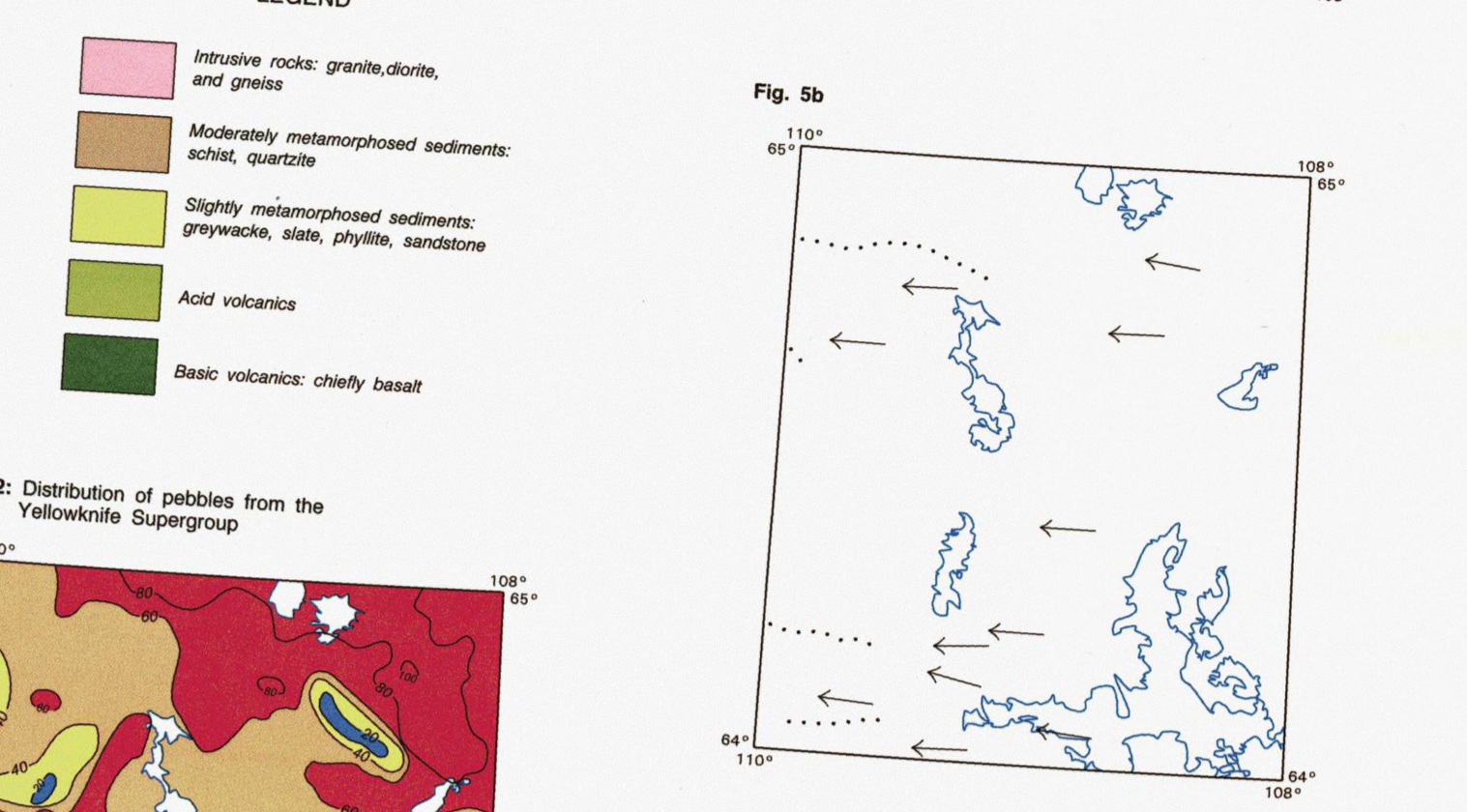
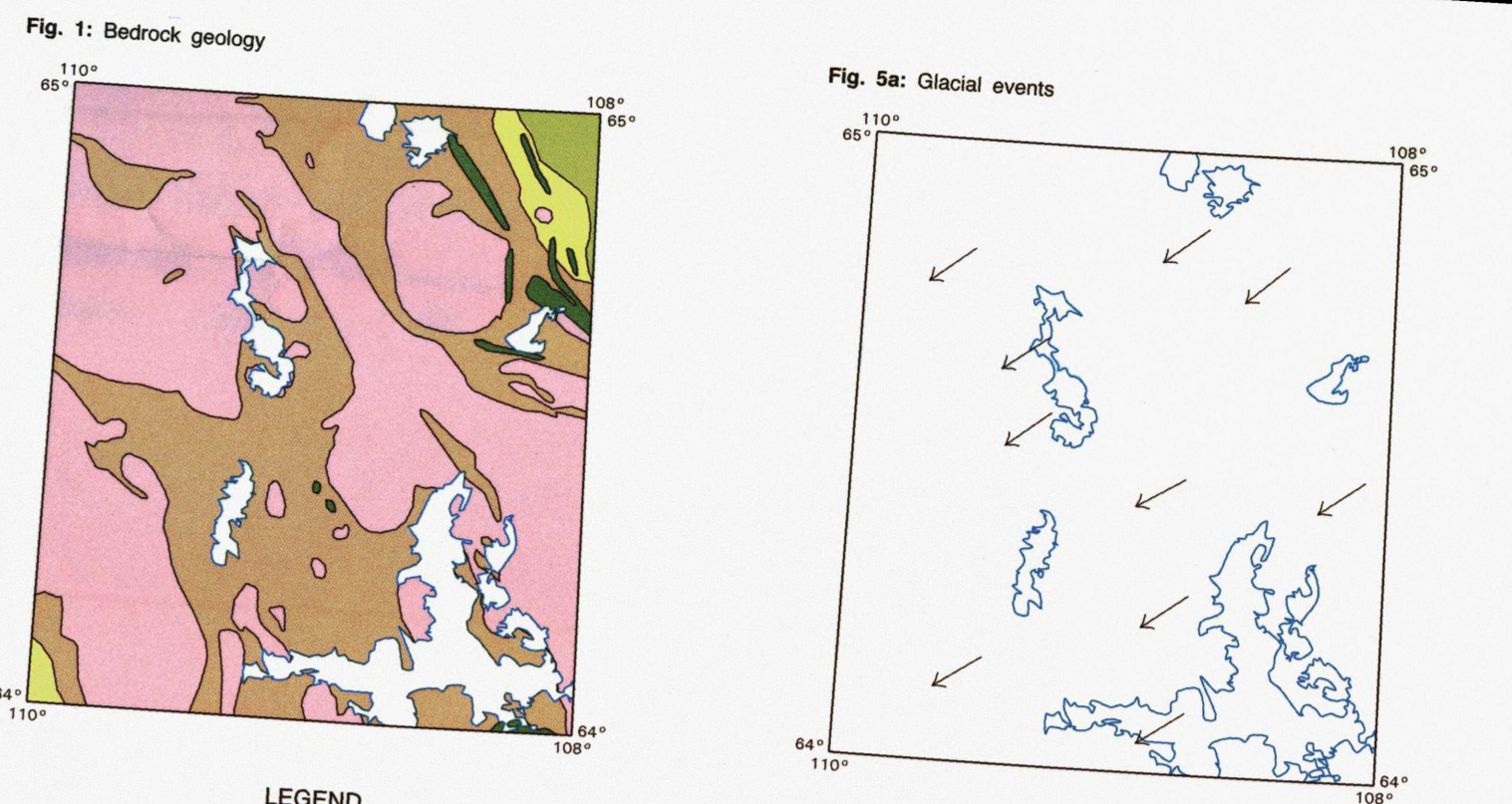
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86 H	76 E	76 F
86 A	76 D	76 C
1871 A	1870 A	1867 A
85 P	75 M	75 N

SURFICIAL GEOLOGY
AYLMER LAKE (SOUTH)
DISTRICT OF MACKENZIE
NORTHWEST TERRITORIES

Scale 1:125 000 - Echelle 1/125 000

Geological Survey of Canada / COMMISSION GEOLOGIQUE DU CANADA

MAP 1867A

ESIC CIST

APR 18 1996

Earth Sciences Section / Sciences de la Terre

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