

LEGEND

- PALEOZOIC**
- DEVONIAN OR LATER**
- 3B Nepheline syenite, essazite, related alkaline rocks
- ORDOVICIAN**
- UPPER ORDOVICIAN**
- 2B LORRAINE AND RICHMOND: shale, sandy shale, dolomitic limestone
 - 27 COLLINGWOOD AND UTICA: impure limestone, shale
- MIDDLE ORDOVICIAN**
- 25 BLACK RIVER AND TRENTON: limestone; 25a, conglomerate
- LOWER AND MIDDLE ORDOVICIAN**
- 24 Shale, slate
- LOWER ORDOVICIAN**
- 22 CHAZY: limestone, some sandstone and shale
 - 21 BEERMANTOWN: 21, dolomite, some limestone and shale; 21a, limestone, some dolomite, a little shale
- CAMBRIAN OR ORDOVICIAN**
- 20 Sandstone
- CAMBRIAN**
- Dolomite, sandy dolomite, some quartzite
- PROTEROZOIC (EARLY-MIDDLE)**
- 12 Diabase
 - 11 MISTASSINI SERIES: limestone
 - 10 LORRAIN FORMATION: quartzite
 - 9 GOWGANDA FORMATION: conglomerate, greywacke, sandstone; 9a, CHIROGAMAU SERIES: conglomerate, quartzite, greywacke
- ARCHAIC (EARLY-MIDDLE)**
- 8 Granite, syenite, granodiorite, diorite; granite-gneiss. May not all be younger than 7
 - 7a, amphibolite, gabbro; minor diorite and pyroxenite; 7b, gabbro, diorite, granite-gabbro rocks rich in hornblende; minor amphibolite; 7c, gabbro, quartz diorite, diorite, pyroxenite, amphibolite; 7d, quartz diorite, diorite, gabbro (older gabbro); altered gabbro and diorite; 7e, gabbro, foliated gabbro, pyroxenite, peridotite, serpentine, altered gabbro, diabase, diorite; quartz diorite. May not all be older than 8
 - 6 Greywacke, conglomerate, quartzite, sandstone, slate; minor volcanic rocks; may not all be younger than 5, chiefly conglomerate (may be of Proterozoic age)
 - 5 Lava and related pyroclastic and intrusive rocks; minor sedimentary beds. May not all be older than 6
- PRECAMBRIAN**
- NOTE: The ages of the rocks grouped as Precambrian have not been established relative to the ages of those grouped as Archaean and Proterozoic.
- 4 Granite, syenite, granodiorite; granite-gneiss. May not all be younger than 3
 - 3a, amphibolite, gabbro-orthogneiss; 3b, amphibolite, gabbro, diorite, granitized amphibolite; 3c, pyroxenite, syenite, diorite, monzonite, gabbro, amphibolite, peridotite, pyroxenite; 3d, gabbro, diorite, quartz diorite, granite; 3e, gabbro, monzonite. May not all be older than 4 nor younger than 2
 - 2a, granite-gneiss, granite, garnetiferous gneiss, schist (granite-gneiss predominating); 2b, garnetiferous gneiss, schist, granite, granite-gneiss (sedimentary gneiss predominating); 2c, crystalline limestone of the Grenville series with granite, granite-gneiss, and sedimentary gneiss; 2d, garnetiferous gneiss, hornblende gneiss, schist; 2e, gneiss, schist; 2f, undivided Precambrian rocks
 - 1 GRENVILLE SERIES: crystalline limestone, quartzite, quartz-biotite schist, gneiss, minor granite, granite-gneiss, and basic intrusions

Drift-covered area: [Symbol]

International boundary: [Symbol]

Interprovincial boundary: [Symbol]

County and Territory boundary: [Symbol]

Township boundary: [Symbol]

Park boundary: [Symbol]

Indian Reserve boundary: [Symbol]

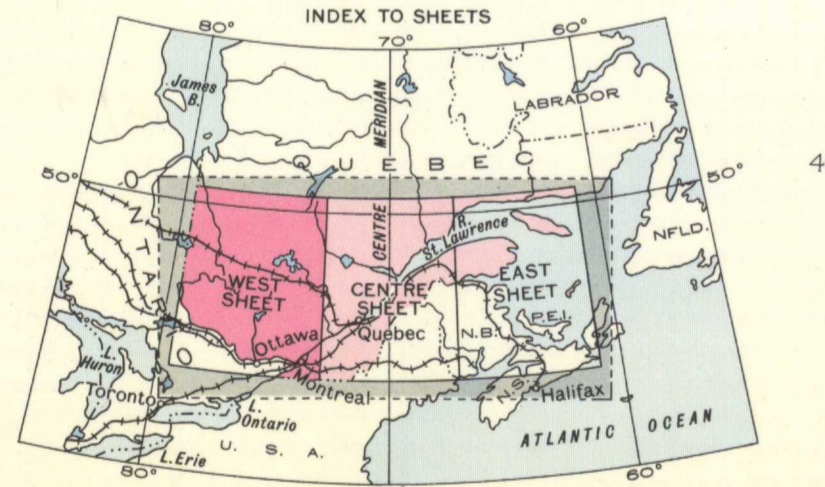
Lake and stream (position approximate): [Symbol]

Height in feet above Mean Sea Level: [Symbol]

Geology compiled from published and unpublished maps of the Geological Survey and of the Quebec Bureau of Mines available December, 1943.

Base-map compiled by the Topographical Survey, 1941, from Federal Government maps and from maps and information supplied by the Government of the Province of Quebec.

Cartography by the Drafting and Reproducing Division, 1942.



SCALE: 1 inch = 400 miles

The initial centre meridian on which the projections for Maps 703A (West Sheet), 704A (Centre Sheet), and 705A (East Sheet) were constructed, is longitude 70° 19' 00" west, and joining these maps for the purpose of a wall-map, the three maps should be squared on this centre meridian (as indicated on this index map).

MAP 703A
SOUTHERN QUEBEC
WEST SHEET

Scale: 1 inch = 12 Miles
1:150,000

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