CANADA
DEPARTMENT OF MINES AND RESOURCES
MINES AND GEOLOGY BRANCH
BUREAU OF GEOLOGY AND TOPOGRAPHY

GEOLOGICAL SURVEY

## LEGEND

**PROTEROZOIC** (LATE PRECAMBRIAN)

- 13 — Quartz gabbro

**ARCHEAN** (EARLY PRECAMBRIAN)

- 12 — 12a, albite alaskite; 12b, quartz syenite and quartz syenite porphyry
- 11 — Granodiorite, quartz diorite
- 10 — Diorite and quartz diorite
- 9 — Greywacke; stratified tuff (chiefly near north contact); beds of magnetite and iron formation (CADILLAC GROUP)
- 8 — Conglomerate. (In Bousquet Township conglomerate lies mainly at or near the base of the Cadillac group; in western Joannès Township conglomerate occurs well up in the group) (CADILLAC GROUP)
- 7 — Andesitic to rhyolitic tuff and lava, largely altered to chlorite and sericite schist and phyllite; 7a, slaty chlorite tuff and sericite-carbonate schist; 7b, chiefly massive acidic lava and rhyolite breccia (BLAKE RIVER GROUP)
- 6 — Chiefly porphyritic rhyolite, in part altered to sericite schist; basic lava and tuff (BLAKE RIVER GROUP)
- 5 — Chiefly andesite; basalt and dacite; allied pyroclastic rocks; minor diorite and thin bands of rhyolite; 5a, porphyritic andesite; 5b, andesite agglomerate; 5c, talc-chlorite schist, serpentine, mica schist and highly sheared agglomeratic conglomerate. (The south band is the Cadillac belt) (BLAKE RIVER GROUP)
- 3 — Conglomerate with interbedded greywacke (KEWAGAMA GROUP)
- 2 — Greywacke, in part altered to mica schist (KEWAGAMA GROUP)
- 1 — Chiefly altered andesitic lava; tuff and breccia; may include some diorite (MALARTIC GROUP)

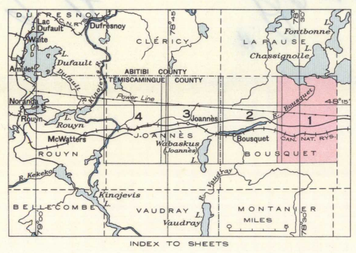
••••• Beds of magnetite and iron formation

Area within which the geology is deduced from underground workings and drill-holes
Diamond drill-holes
Vein
Fault, shear zone
Small rock outcrop
Bedding (inclined, vertical, dip unknown, overturned)
Bedding (direction of dip known, upper side of bed unknown)
Bedding (upper side of bed faces as indicated, direction of dip unknown)
Schistosity (inclined, vertical, direction of dip unknown)
Mine shaft
Prospect

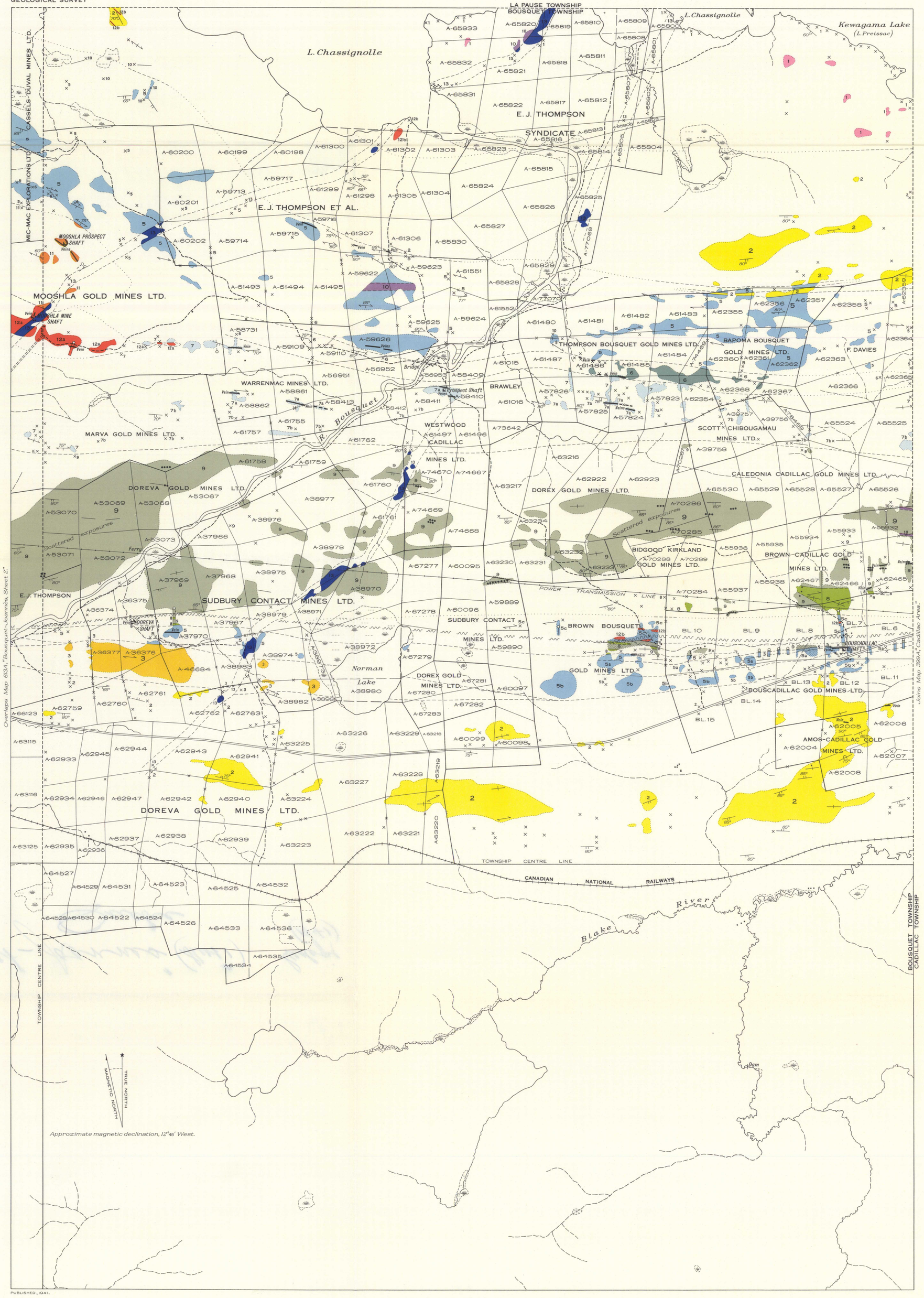
Road and buildings
Road not well travelled
Bush road or trail
Power transmission line
Township boundary
Stream (position approximate)
Marsh

Geology by H. C. Gunning, 1937.

Base-map compiled by the Topographical Survey, 1938, from aerial photographs taken by the Royal Canadian Air Force, June, September and October, 1936, and from information supplied by the Quebec Department of Lands and Forests. Cartography by the Drafting and Reproducing Division, 1940.



INDEX TO SHEETS




PUBLISHED, 1941.

MAP 612A
SHEET 1
# BOUSQUET-JOANNÈS
(IN FOUR SHEETS)
BOUSQUET TOWNSHIP
ABITIBI COUNTY
QUEBEC

Scale, 1/18000 or 1 Inch to 1500 Feet
1500 0 1500 3000 4500 Feet

NOT TO BE TAKEN FROM LIBRARY
NE PAS SORTIR DE LA BIBLIOTHÈQUE

612A

This map has been produced from a scanned version of the original map
Reproduction par numérisation d'une carte sur papier