

- LEGEND**
- PRECAMBRIAN**
- Gabbro
 - Granitic rocks of the Preissac-Lacorne batholith
 - Pre-batholithic rocks, including members of the Blake River, Kewagama, Malartic, and Kinojevis groups

Geology by K. R. Dawson, 1952

Isomagnetic lines (total field)
500 gammas
100 gammas
50 gammas
Magnetic depression contour
Flight line
Flight altitude: 1,000 feet above ground level

Magnetic survey, August and September 1948, by
Geophysics Section, Geological Survey of Canada,
Department of Mines and Technical Surveys, in
collaboration with the Royal Canadian Air Force.

This aeromagnetic map demonstrates the fact that the
granitic rocks in the batholith and the surrounding sedimentary
rocks have a uniformly low magnetic susceptibility suggested by
the contour lines which meander and are widely spaced.
This prevents the separation of the two rock varieties by means
of magnetic evidence.
The magnetic lows along the south side of the batholith
do not mean that the granite underlying these areas is less
magnetic than that farther north. Rather, these lows are caused
by the more magnetic rocks to the south.
The tendency for the contours to herringbone in mag-
netically flat areas is a common weakness of most aeromagnetic
maps which must not be attributed to geological features. The
area east of Lac La Motte in ranges 1, 2, of La Motte town-
ship provides a good example.

Cartography by the Geological Cartography Division, 1953

To accompany Paper 53-4 by K. R. Dawson

Approximate magnetic declination, 13° 51' West

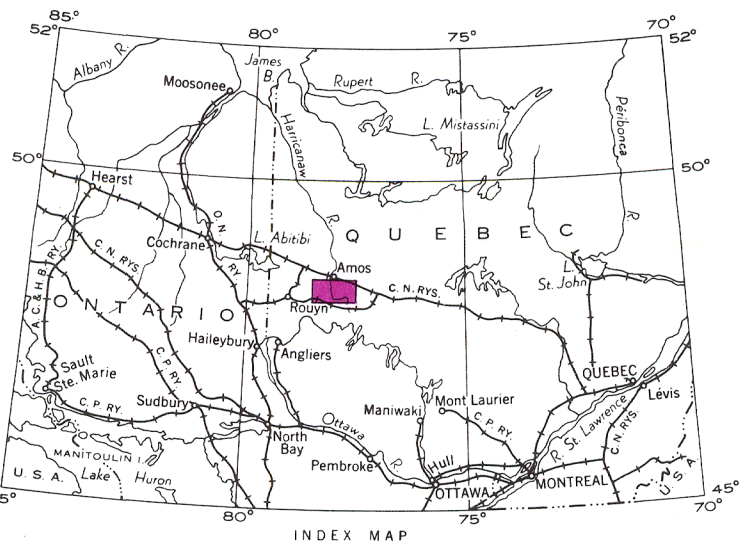


Figure 2

Aeromagnetic map of the Preissac-Lacorne batholith, Quebec

Scale of Miles

