

Ontario Geological Survey

MAP P.2847

PRECAMBRIAN GEOLOGY

Scale 1:50 000 1000 m 0 1 2 km

____ 5a Calcite marble 5b Dolomite marble 5c Interlayered biotite gneiss and calcite marble

Calc-silicate Rocks 4a Grey-green to green weathering, fine- to medium-layered, calc-silicate gneiss and amphibolite, commonly interlayered with rocks of unit 9 4b Garnet amphibolite 4c Garnet-biotite diorite gneiss, thin layered, with thin leucosomes parallel to foliation

> UNCONFORMITY ARCHEAN TO PALEOPROTEROZOIC

Mafic to Ultramafic Gneiss 3a Amphibolite 3b Mafic gneiss derived from gabbro to anorthositic gabbro 3c Orthopyroxene hornblendite, with subrounded to rounded orthopyroxene megacrysts, megacrysts <15 mm in size 3d Mafic to ultramafic gneiss, possibly derived from unit 3c INTRUSIVE CONTACT

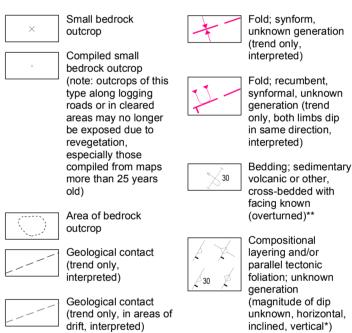
ARCHEAN NEOARCHEAN

REGIONAL HIGH-GRADE METAMORPHISM AND MIGMATIZATION 2 Intermediate to Felsic Orthogneiss

INTRUSIVE CONTACT 1 Heterogeneous Gneiss 1n Porphyroclastic gneiss to straight gneiss, mostly likely derived from unit 1, but may, in part, be derived from units 9, 10 and 15 ^a This legend is a field legend that incorporates the results of laboratory

investigations, including petrography and geochemistry. ^b The letter "C" preceding a code refers to data interpreted from geological maps listed under "Sources of Information". The letter "D" preceding a code refers to data compiled from diamond The letter "G" preceding a code refers to data interpreted from geophysical maps listed under "Sources of Information".

This legend applies to Maps P.2846 and P.2847. Not all rock types may be present on this map.



Foliation; unknown ☐ Geophysical contact (trend only, | - | -30 + | generation ─ interpreted) (magnitude of dip

Geophysical anomaly vertical**) aeromagnetic high Extent of bedrock outcrop (outcrop density and exposure may vary considerably between these

generalized areas of occurrence (keyed to outcrop) 」"Prospects, Past-______Limit of mapping* Producers") Fault (trend only, or occurrence interpreted) Fault; downthrown, magnitude of vertical → Diamond drill hole;

company drill-hole

□ number, location

Modern alluvium

☐ Reid (2002), with

sample number

geochemical anomaly,

commodity and value,

☐ from Hornbrook and
☐ line from Hornbrook and ☐ line from Hornbr Friske (1989), with

approximate

displacement unknown, unknown displacement (trend only, down-dropped side indicated, **▲ 12** survey anomaly, from interpreted) Fault; forms boundary between Tomiko

interpreted)* Lineament (trend only, interpreted) Fold; antiform,

unknown generation U/Pb geochronology ____ (trend only, interpreted) sample site, with age Fold: recumbent. antiformal, unknown → Nd/Sm geochronology generation (trend sample site, with age only, both limbs dip in same direction,

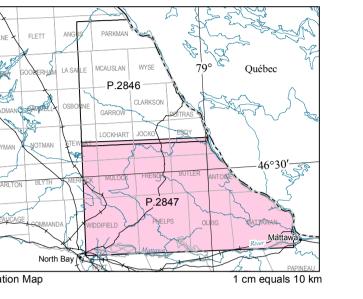
^d * only appear on Map P.2847; ** only appear on Map P.2846 ^e Lake name in parentheses (e.g., Clear (Transparent) Lake) are provided for reference only as those names were former official or local names which were

used in the older literature.

SONGRIS AREA

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NTS References: 31L/6, 7, 11



SOURCES OF INFORMATION Base map information derived from Ontario Land Information Warehouse, Land Information Ontario, Ontario Ministry of Natural Resources, scale 1:20 000.

Mapping conducted using UTM co-ordinates in North American Datum 1983 (NAD83), Zone 17. Compiled geology and geophysical interpretation derived from: GSC-ODM 1965. Aeromagnetics, Mattawan; Geological Survey of Canada-Ontario Department of Mines, Aeromagnetic Map 1468G,

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Survey, Open File Report 6088, 235p. Metric conversion factor 1 foot = 0.3048 m. Geology is not tied to survey lines.

Magnetic declination for centre of map area, approximately 11°45'W in

CREDITS Geology by R.M. Easton, 2003.

Geological compilation by R.M. Easton, 2004–2006. Digital drafting by R.M. Easton and S. Josey. Cartographic production by A. Evers. To enable the rapid dissemination of information, this map has not received a technical edit. Discrepancies may occur for which the Ontario Ministry of Northern Development and Mines does not assume liability. Users should verify critical information.

Information from this publication may be quoted if credit is given. It is recommended that reference to this map be made in the following Easton, R.M. 2006. Precambrian geology, Songris area; Ontario Geological Survey, Preliminary Map P.2847, scale 1:50 000.