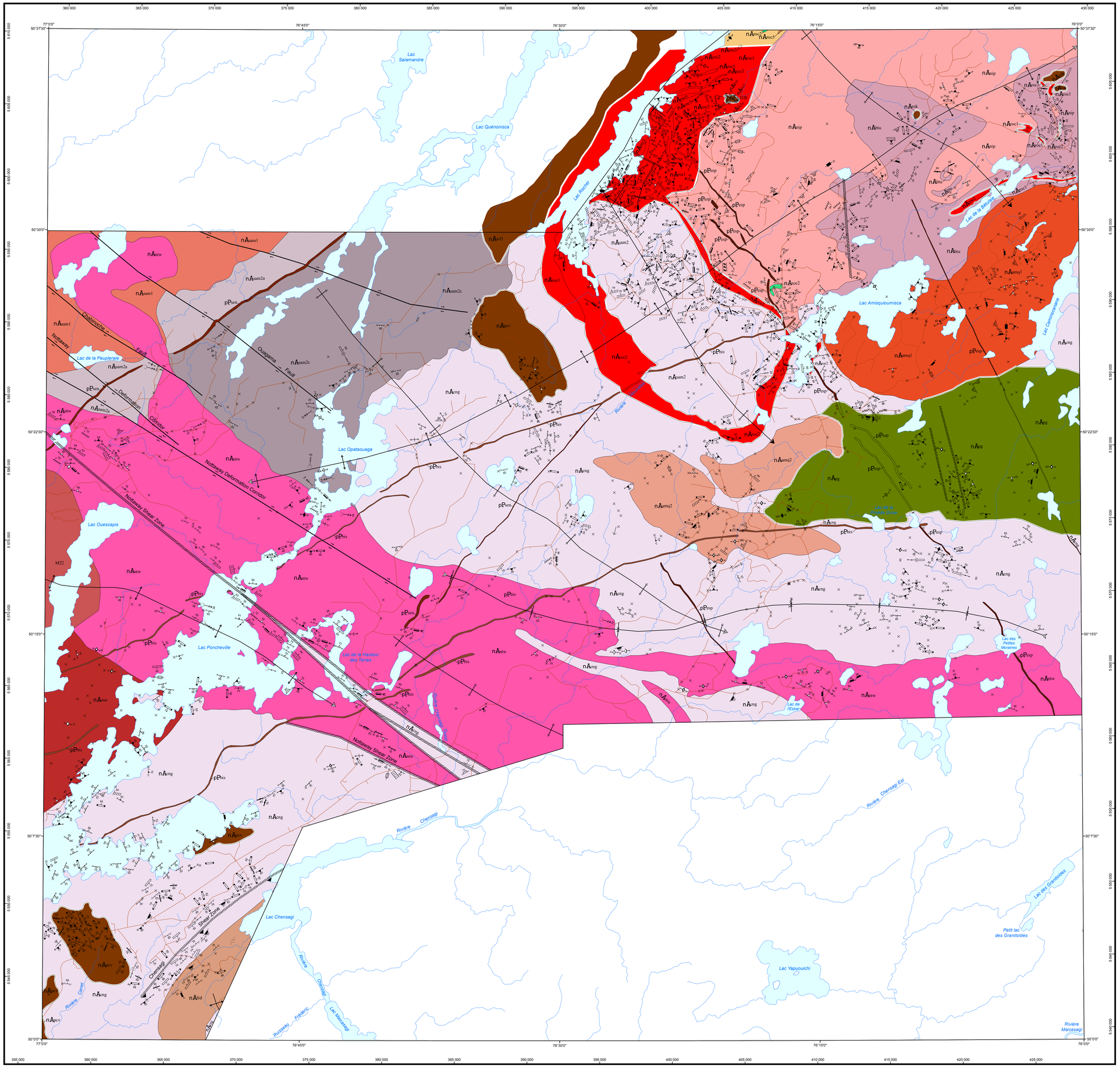
Geology of the Opatica Subprovince Northeast of Matagami (Amisquioumisca Lake Region)



STRATIGRAPHIC LEGEND

PALEOPROTEROZOIC

Lac Esprit Dykes (2069 ±1 Ma, Hamilton, 2001)

- pPesp — Diabase, pyroxenite and mesocratic gabbro

Biscotasing Dykes (2166.7 ±1.4 Ma, Buchan *et al.*, 1993)

- pPbis — Gabbro

Senneterre Dykes (2216 +8/4 Ma, Buchan *et al.*, 1996)

- pPsen — Gabbronorite and gabbro

SUPERIOR PROVINCE
OPATICA SUBPROVINCE
NEOARCHEAN

Amisquioumisca Suite

- nAamq2 — Undifferentiated intermediate rocks
- nAamq1 — Syenite, monzonite and quartz monzonite

Nipukatasi Massif

- nAnip — Hornblende-biotite granite, monzonite and quartz monzonite

Pinède Grise Pluton

- nApg — Biotite granite, biotite-magnetite monzonite and feldspar-biotite-hornblende-phyric monzodiorite

Frédéric Intrusion

- nAfrd — Diorite, quartz diorite and tonalite

Nottaway Pluton (2686 ±4 Ma, Davis *et al.*, 1995)

- nAntw — Biotite-magnetite granite

Ouescapis Pluton (2693 ±1 Ma, Davis *et al.*, 1995)

- nAouc — Hornblende diorite

Poncheville Intrusive Suite

- nApcv — Gabbro, gabbronorite, norite, diorite, quartz diorite, pyroxenite and quartz-rich granitoid

Rocher-Quénonisca Intrusive Suite

- nArok — Peridotite

Whitefish Intrusion

- nAwf1 — Purple gabbro

Rocher Intrusion (2703 +7/-3 Ma, Bandyayera and Sharma, 2001)

- nAlrc3 — Peridotite
- nAlrc3a — Plagioclase peridotite
- nAlrc2 — Pyroxenite
- nAlrc1 — Purple gabbro

Salamandre Intrusive Suite

- nAsam2 — Diorite, quartz diorite and biotite and/or hornblende tonalite
- nAsam2c — Banded hornblende tonalite
- nAsam2a — Biotite tonalite
- nAsam1 — Granodiorite

Bétulaie Complex

- nAbtu — Migmatitic gneiss derived from the partial melting of diorite, paragneiss and amphibolite and, to a lesser extent, of tonalite and biotite granodiorite

Chensagi Suite (2722,5 ±3,1 Ma, David *et al.*, in preparation)

- nAcng — Dioritic to tonalitic gneiss and tonalite

Rocher Complex

- nAroc5 — Nodular diorite, foliated, sometimes massive
- nAroc3 — Undetermined iron formation and oxide iron formation
- nAroc2 — Amphibolite and intermediate to felsic lapilli tuff
- nAroc1 — Paragneiss

LITHOLOGIC LEGEND

NEOARCHEAN

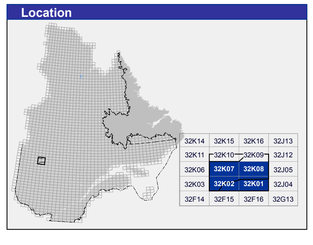
- I1b — Late granite
- M22 — Nebulitic migmatite

PROSPECTIVE ZONE FOR MINING EXPLORATION

- Nickel
- Tungsten
- Zinc

The symbols and abbreviations used on this map are described in the publication DV 2014-06 from the ministère de l'Énergie et des Ressources naturelles.

Location



Metadata

Geodetic reference frame :	Ellipsoïde GRS 80
Geodetic reference system :	NAD 83 compatible with the world geodetic system WGS 84
Cartographic projection :	Universal Transverse Mercator (UTM), zone 18
Original longitude :	76°30'
Original latitude :	0°

Sources

Data	Organization
Administrative and topographic database (BDTA) scale 1/250 000	Ministère de l'Énergie et des Ressources naturelles

0 2,5 5 7,5 10 km

1/100 000

Realization

Geology :	François Leclerc, Emmanuel Caron-Côté, Julie Vallières (2016)
References :	Ahmedali, T., Remick, J. H. (1974) - DP 245 Bandyayera, D., Sharma, K.N.M. (2001) - MB 2001-06 Brisson, H. (1998) - RG 98-05 Franconi, A. (1974) - DP 265 Goutier, J. (2005) - RG 2005-05 Morin, R. (1997) - RG 97-14
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Map of the Bulletin géologiQUE : http://gq.mines.gouv.qc.ca/bulletins-geologiques/lac-amisquioumisca_en

To obtain the most recent data for this region, we suggest that you consult the geomatics products of Quebec's Geomining Information System (SIGÉOM)

Bulletin géologiQUE

SIGÉOM
Système d'information géominière du Québec

Énergie et Ressources naturelles
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