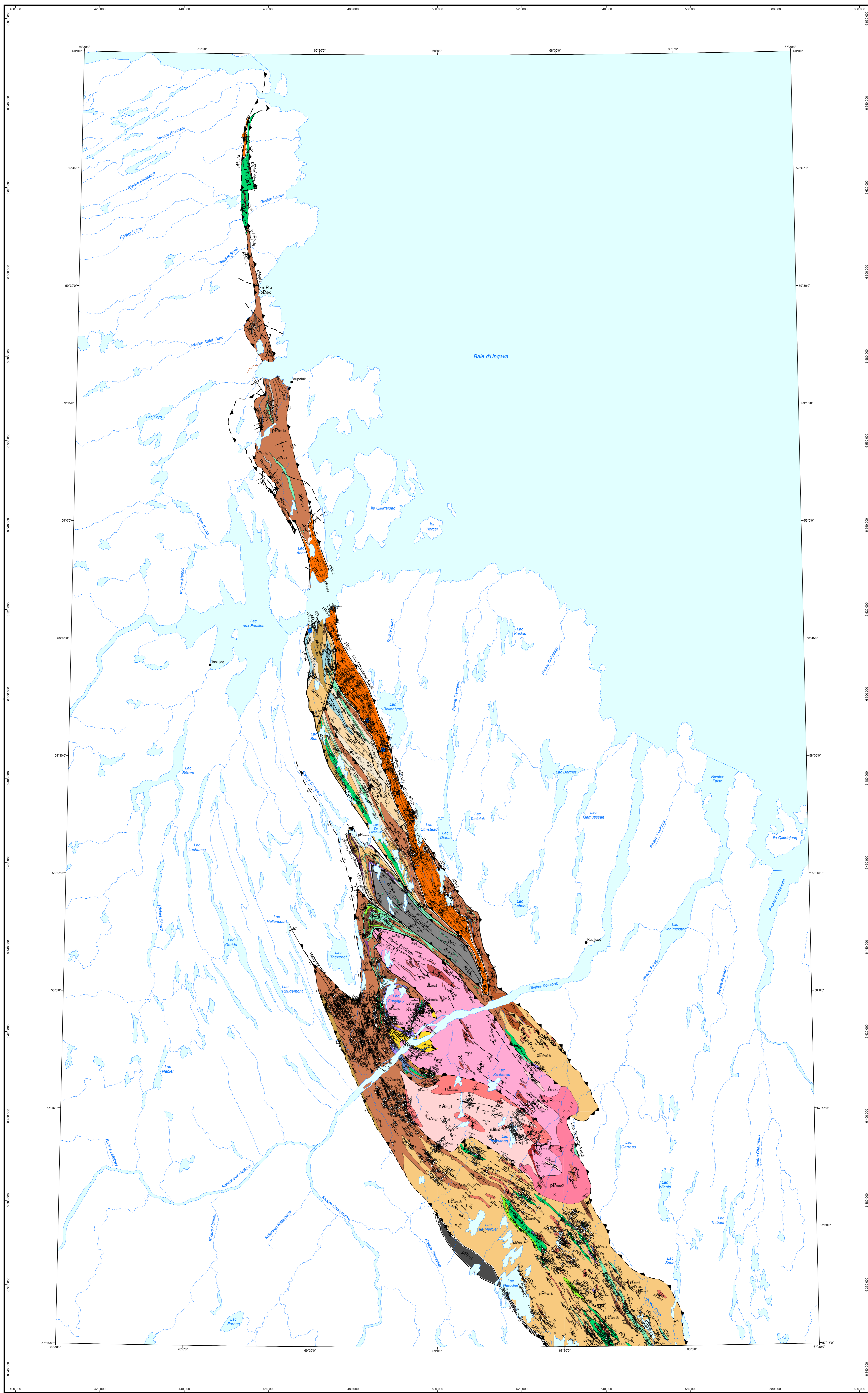


Rachel-Laporte Lithotectonic Domain, Southeastern Churchill Province, Nunavik, Quebec, Canada: Geological Synthesis

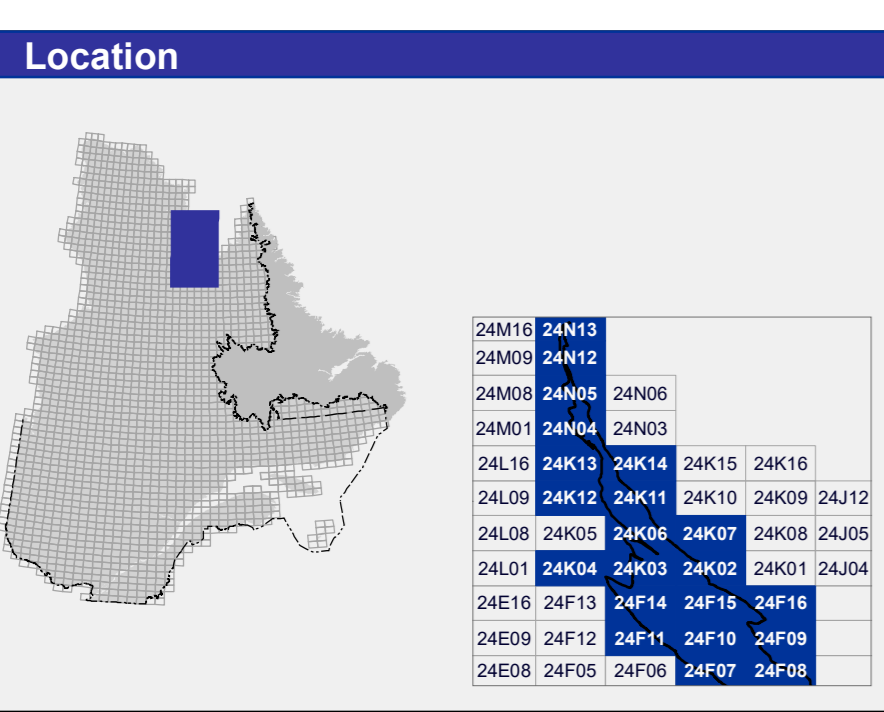


STRATIGRAPHIC LEGEND

- CHURCHILL PROVINCE**
MESOPROTEROZOIC
- Falcoz Swam**
mFca Subophitic, massive and fine-grained olivine gabbro and olivine gabbroirite
- RACHEL-LAPORTE LITHOTECTONIC DOMAIN**
PALEOPROTEROZOIC
- Mercator Suite**
pErc1 Massive, leucocratic, coarse to medium-grained, pink biotite granite
pErc2 Massive, leucocratic, pegmatitic muscovite-biotite-chlorite ± tourmaline ± garnet ± apatite ± hematite granite, tonalite and granodiorite
- Laporte Supersuite**
Klein Suite (1883.5 ± 0.9 Ma, Houk et al., 2016)
pEla1 Metagabbro and glomerophytic metagabbro
pEla2 Metaperidotite and metapsyenite
pEla3 Fine to medium-grained amphibole of unknown origin
pEla4 Amphibolite with lesser amount of biotite parashist
pEla5 Massive, pillow or vesicular metabasalt, mafic or intermediate metavolcaniclastic rocks
pEla6 Banded, massive or schistose, fine to very fine-grained amphibolite, possibly of volcanic origin

- ARCHEAN**
Révisé Complex (2852 ± 14 Ma, Davis et al., 2015; 2853 ± 16 Ma, Machado et al., 1989)
Arev1 Homogeneous, foliated, fine to medium-grained, commonly garnet-rich amphibolitized gabbro
Arev2 Banded biotite-epidote granitic gneiss; lesser amount of tonalitic gneiss
- Proterozoic units:**
pErc1 Massive, leucocratic, coarse to medium-grained, pink biotite granite
pErc2 Massive, leucocratic, pegmatitic muscovite-biotite-chlorite ± tourmaline ± garnet ± apatite ± hematite granite, tonalite and granodiorite
pEla1 Metagabbro and glomerophytic metagabbro
pEla2 Metaperidotite and metapsyenite
pEla3 Fine to medium-grained amphibole of unknown origin
pEla4 Amphibolite with lesser amount of biotite parashist
pEla5 Massive, pillow or vesicular metabasalt, mafic or intermediate metavolcaniclastic rocks
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pErc1 Massive, leucocratic, coarse to medium-grained, pink biotite granite
pErc2 Massive, leucocratic, pegmatitic muscovite-biotite-chlorite ± tourmaline ± garnet ± apatite ± hematite granite, tonalite and granodiorite
pEla1 Metagabbro and glomerophytic metagabbro
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pErc2 Massive, leucocratic, pegmatitic muscovite-biotite-chlorite ± tourmaline ± garnet ± apatite ± hematite granite, tonalite and granodiorite
pEla1 Metagabbro and glomerophytic metagabbro
pEla2 Metaperidotite and metapsyenite
pEla3 Fine to medium-grained amphibole of unknown origin
pEla4 Amphibolite with lesser amount of biotite parashist
pEla5 Massive, pillow or vesicular metabasalt, mafic or intermediate metavolcaniclastic rocks
pEla6 Banded, massive or schistose, fine to very fine-grained amphibolite, possibly of volcanic origin

- Hignill Complex (2755 ± 13 Ma, Davis et al., 2016)**
Hign1 Foliated, fine to medium-grained hornblende ± biotite amphibolitized diorite and gabbro
Hign2 Foliated, medium-grained, even-grained, pink biotite-hornblende-epidote-magnetite granite
Hign3 Well foliated, ophiolitic biotite-hornblende-epidote-magnetite monzogranite and quartz monzonite
- Roquer Complex (2469 ± 15 Ma, Machado et al., 1989)**
Aro1 Well foliated to mylonitic hornblende ± biotite amphibolite
Aro2 Fine-grained biotite ± hornblende ± epidote tonalitic gneiss; lesser amount of granitic gneiss
- PROSPECTIVE ZONE FOR MINERAL EXPLORATION**
- Copper
 - Iron
 - Graphite
- SHOWING AND DEPOSIT**
- Copper
 - Iron
- This geological map in PDF format contains layers that group the various elements of the document (geological zones, hydrography, geologic outcrops, etc.). These layers can be displayed or hidden in the "Layers" section of the "Software Panel" in Adobe Acrobat Reader®.
- Symbols and abbreviations used on this map are described in the CV 2014-06 publication of the Ministère de l'Énergie et des Ressources naturelles.



Metadata

Geodetic reference frame:	GRS 80 ellipsoid
Geodetic reference system:	NAD 83 compatible with the world geodetic system WGS 84
Cartographic projection:	Universal Transverse Mercator (UTM), zone 19
Original longitude:	69°00'
Original latitude:	0°

Sources

Data	Base de données géographiques et administratives (BDGA 1M)
Organization	Ministère de l'Énergie et des Ressources naturelles

Realization

Geology	Isabelle Lafont, Marc-Antoine Vanier
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Ministère de l'Énergie et des Ressources naturelles
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