

LEGEND

Note: This legend is common to Maps 1538A-1544A. Coloured legend blocks indicate map units that appear on this map. The dykes, narrow band formations and individual outcrops do not necessarily appear on this map.

- HADEYNIAN**
- Hdb Diabase
  - Adb Diabase
  - Agd Granodiorite (Agd); granite (Agr); tonalite (Atl); diorite (Adr); pegmatite (Apm); apatite (Apl); inclusions of paragneiss (Agg); and amphibolite (Agba, Adra) locally present
  - Amg Migmatite (Amg); includes local agmatite; also includes local gneissic granitic rocks (Agg); pegmatite (Apm) locally present; small areas of amphibolite (Aab) and paragneiss (Agg) common
  - Agg Gneissic granitic rocks (Agg); chiefly granodiorite composition with local granite and tonalite; inclusions and bands of amphibolite common (Agba); inclusions and bands of paragneiss common (Agg)
  - Ag Granulite (Ag); hypersthene-quartz-plagioclase gneiss; biotite-hypersthene-quartz-plagioclase gneiss; commonly with clinopyroxene, hornblende, and/or garnet; includes minor gneissic granitic rocks (Agg) and amphibolite (Aab); inclusions of amphibolite common (Agba)
  - Ahg Hornblende-plagioclase gneiss (Ahg); locally with biotite and clinopyroxene; includes minor amounts of amphibolite (Aab)
  - Aab Amphibolite (Aab); hornblende (Aab); locally includes thin slate bands (Asl); garnet common locally
  - Arc Rusty graphitic quartz-rich paragneiss (Arc); local biotite and garnet
  - Amb Marble (Amb); calc-silicate rocks (Acs); commonly with diopside
  - Ap Paragneiss (Ap); chiefly biotite-quartz-feldspar gneiss; (biotite)-hornblende-quartz-feldspar gneiss; local garnet; rare sillimanite; locally includes minor amounts of amphibolite (Aab); rare calc-silicate rock (Acs) and rusty graphitic quartz-rich paragneiss (Arc); thin bands of gneissic granitic rocks (Agg) locally common
  - Aub Ultrabasic rocks (Aub); variably serpentinized; pyroxenite (Apx); peridotite (Apd); serpentinite (Ase); commonly includes gabbro (Agb)
  - Agb Gabbro, metagabbro (Agb); locally includes ultrabasic rocks (Aub); pyroxenite (Apx) and peridotite (Apd)
  - Ar Rhyolite, rhyolite breccia, silicic crystal tuff, metarhyolite (Ar); dacite (Adc)
  - Ab Basalt (Ab); greenstone (Ag); volcanic breccia (Abv); tuff (At); komatite (Akt); chlorite schist (Act); thin bands of slate (Asl); shale (Ash) and/or greywacke (Agk) locally intercalated; in part carbonatized (Act) and local carbonate dykes (Act); explosion breccia (Actb)
  - Adm Dolomite (Adm); limestone (Als); includes minor amounts of shale (Ash); slate (Asl) and siltstone (Asn)
  - Agk Greywacke, metagreywacke (Agk); includes minor amounts of schist (Asc) and argillite (Aal)
  - Aqz Quartzite (Aqz); sandstone (Ass); conglomerate (Agc); quartzite and sandstone locally contain pebble conglomerate horizons; includes minor amounts of greywacke (Agk); siltstone (Asn); argillite (Aal); iron formation (Ail); slate (Asl) and schist (Asc)
  - Asc Schists of sedimentary origin (Asc); chiefly muscovite-biotite-quartz schist and muscovite-chlorite-quartz schist; argillite (Aal); siltstone (Asn); mudstone (Am); shale (Ash) and slate (Asl) both commonly carbonaceous; phyllite (Apl); chert (Ach); iron formation and granitic schist (At); breccia (Abc); volcanogenic sedimentary rocks (Avs); includes minor amounts of dolomite (Adm); limestone (Als); sandstone (Ass); greywacke (Agk); quartzite (Aqz) and conglomerate (Agc); also locally includes thin mafic volcanic bands (Abv); gabbro sills (Agb) and amphibolite (Aab)
- ARCHEAN**
- Adb Diabase
  - Agb Gabbro, hornblende gabbro and metagabbro (Agb)
  - Agd Granodiorite (Agd); granite (Agr); tonalite (Atl); pegmatite (Apm); lamprophyre (Apl); inclusions of amphibolite locally common (Agba)
  - Amg Migmatite (Amg); includes local agmatite and areas of gneissic granitic rocks (Agg); also includes small areas of amphibolite (Aab) and lesser amounts of paragneiss (Agg); dykes of granodiorite (Agd); granite (Agr) and pegmatite (Apm) common
  - Agg Gneissic granitic rocks with composition chiefly granodiorite with lesser amounts of granite, tonalite and quartz diorite (Agg); inclusions and bands of amphibolite common (Agba); local areas of granodiorite (Agd) and granite (Agr)
  - Aub Ultrabasic rocks (Aub); pyroxenite (Apx)
  - Ap Paragneiss (Ap); biotite-quartz-feldspar gneiss; hornblende-biotite-quartz-feldspar gneiss; local garnet; rare muscovite; marble (Amb)
  - Aab Amphibolite (Aab); locally includes minor amounts of metasedimentary rocks (Asc, Agk, Acs); rare hornblende (Aab); metatuff (Atl)
  - Asc Schists of sedimentary origin (Asc); chiefly biotite-quartz-feldspar schist with local muscovite; metagreywacke (Agk); rare calc-silicate rock (Acs); rare feldspathic quartzite (Aqz); includes local thin bands of amphibolite (Aab) and minor amounts of pegmatite (Apm)

- Rock outcrop
- Geological boundary (defined, approximate, assumed) .....
- Bedding, tops known (inclined, overturned) .....
- Bedding, tops unknown (inclined, vertical) .....
- Pillow top direction (dip known, unknown) .....
- Foliation (horizontal, inclined, vertical, dip unknown) .....
- Trend of foliation .....
- Banding (horizontal, inclined, vertical, dip unknown) .....
- Plunge of fold axis or minor structure (mineral lineation, rodding, S-plane intersection) .....
- Trace of lineament .....
- Fault (defined, approximate, assumed) .....
- Fault (inclined) .....
- Joint (inclined, vertical) .....
- Anticline (approximate trace of the axial surface) .....
- Syncline (approximate trace of the axial surface) .....
- Overturned anticline (approximate trace of the axial surface) .....
- Overturned syncline (approximate trace of the axial surface) .....
- Glacial striae (direction of ice movement known, unknown) .....
- Drumlinoid ridge (direction of ice movement unknown) .....
- Essex (direction of flow assumed) .....
- Locality where age has been determined (K-Ar method), millions of years .....
- Mine .....
- Nickel deposit .....
- Shaft .....

Geology by T.M. Gordon, J.B. Henderson and F.C. Taylor, 1973

Compiled by F.C. Taylor, 1979

To accompany Memoir 399 by F.C. Taylor

Geological cartography by J.S. Yelle, Geological Survey of Canada

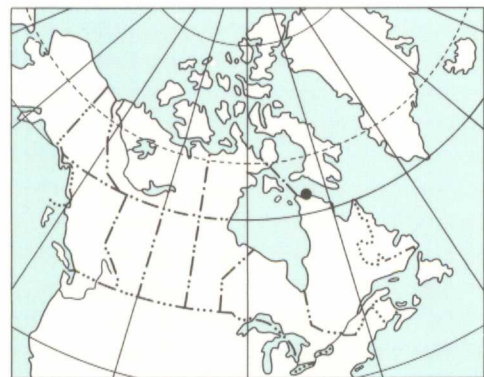
Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Base map at the same scale published by the Surveys and Mapping Branch in 1963

Copies of the topographical edition of this map may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, K1A 0E9

Geographical names subject to revision  
Names in quotation marks are unofficial

Magnetic declination 1980 varies from 35° 21' westerly at centre of west edge to 37° 30.6' westerly at centre of east edge. Mean annual change 15.8' easterly

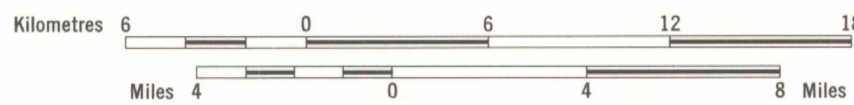


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GEOLOGY  
**SUGLUK**  
QUEBEC - NORTHWEST TERRITORIES

Scale 1:250 000



Elevations in feet above mean sea level  
Universal Transverse Mercator Projection  
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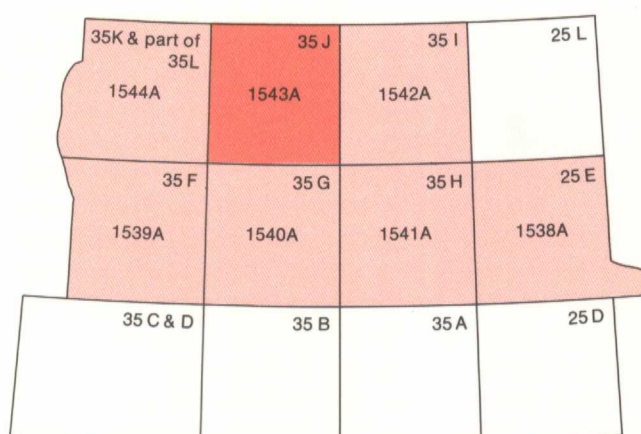
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