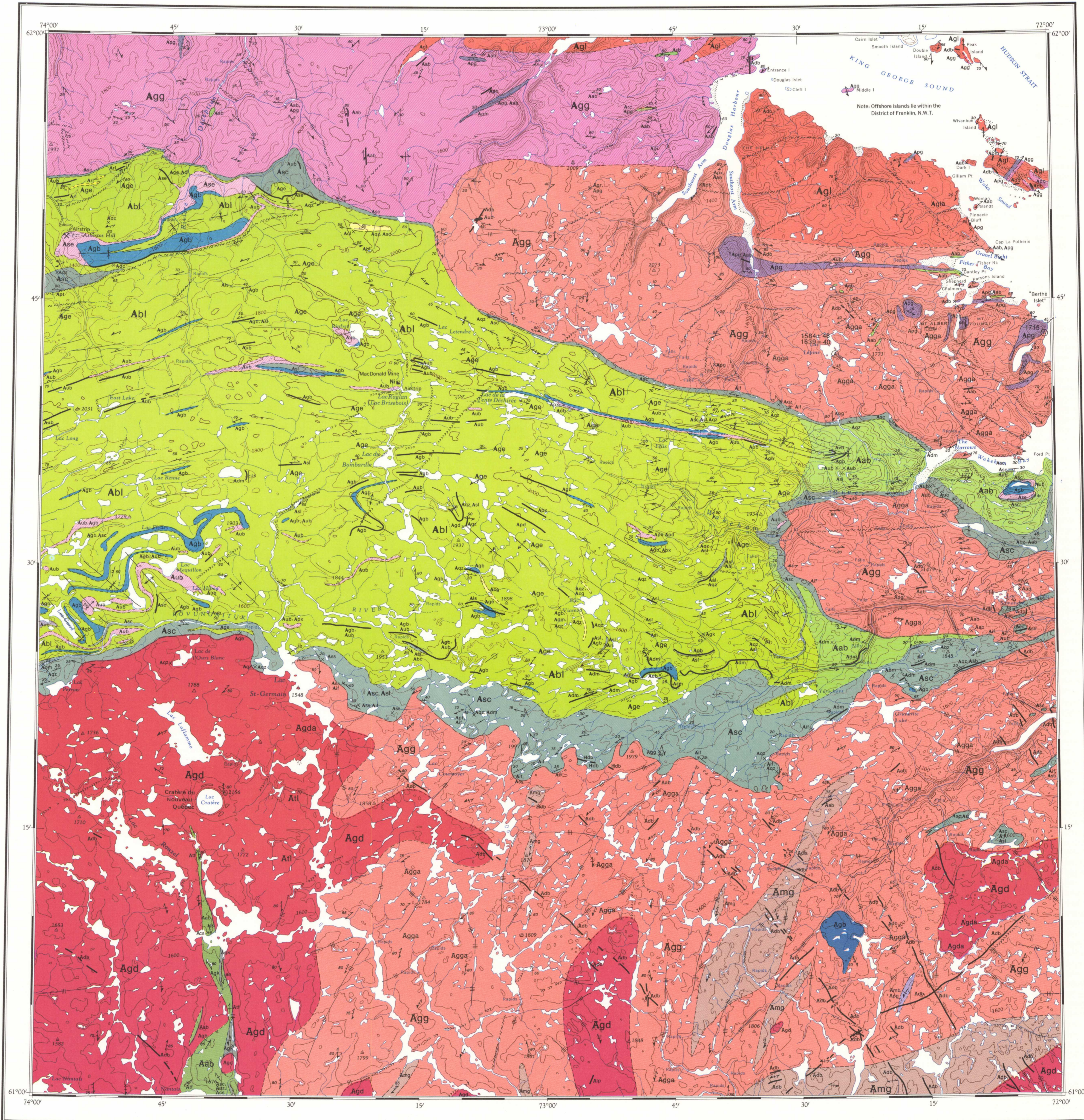


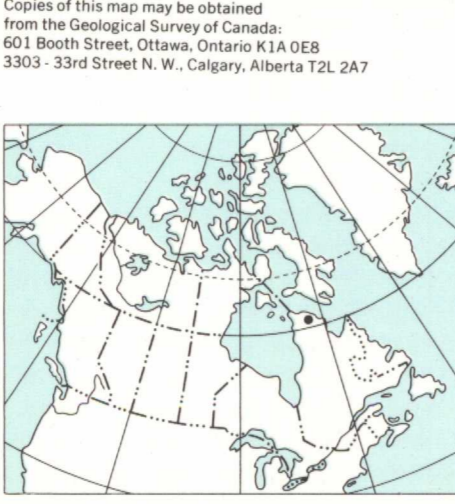
LEGEND

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.

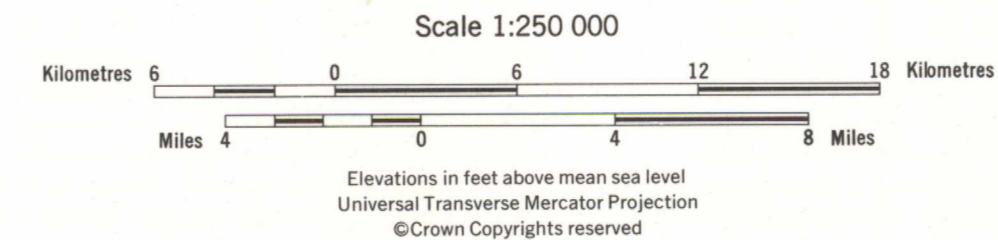
- HADRYNIAN**
- Hdb Diabase
  - Adb Diabase
  - Agd Granodiorite (Agd); granite (Agr); tonalite (Ati); diorite (Adr); pegmatite (Apm); apatite (Aap); inclusions of paragneiss (Agpp, Agpr) and amphibolite (Agda, Adra) locally present
  - Amg Migmatite (Amg); includes local agmatite; also includes local gneissic granitic rocks (Agg); pegmatite (Apm) locally present; small areas of amphibolite (Aab) and paragneiss (Agpp) common
  - Agp Gneissic granitic rocks (Agp); chiefly granodiorite composition with local granite and tonalite; inclusions and bands of amphibolite common (Agga); inclusions and bands of paragneiss common (Agpp)
  - Age Granulite (Age); 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 (Agla)
  - Ahg Hornblende-plagioclase gneiss (Ahg); locally with biotite and clinopyroxene; includes minor amounts of amphibolite (Aab)
  - Aab Amphibolite (Aab); hornblende (Ahb); 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
- ARCHEAN**
- Agp Paragneiss (Agp); 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) locally common
  - Agb Gabbro, metagabbro (Agb); locally includes ultrabasic rocks (Aub); pyroxenite (Apx) and peridotite (Apd)
  - Ari Rhyolite, rhyolite breccia, silicic crystal tuff, metarhyolite (Ari); dacite (Adc)
  - Abl Basalt (Abl); greenstone (Age); volcanic breccia (Avb); tuff (Atf); komatiite (Akt); chlorite schist (Acl); thin bands of slate (Asl); shale (Ash) and/or greywacke (Agk) locally intercalated in part carbonized (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 (Aas); conglomerate (Aco); quartzite and sandstone locally contain pebble conglomerate horizons; includes minor amounts of greywacke (Agk); siltstone (Asn); argillite (Aal); iron formation (Aif); 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); muscovite (Amu); shale (Ash) and slate (Asl) both commonly carbonaceous; phyllite (Apt); chert (Ach); iron formation and grunerite schist (Aif); breccia (Abc); volcanogenic sedimentary rocks (Avs); includes minor amounts of dolomite (Adm); limestone (Als); sandstone (Aas); greywacke (Agk); quartzite (Aqz) and conglomerate (Aco); also locally includes thin mafic volcanic bands (Abl, Age) gabbro sills (Agb) and amphibolite (Aab)
- ARCHEAN**
- Adb Diabase
  - Agb Gabbro, hornblende gabbro and metagabbro (Agb)
  - Agd Granodiorite (Agd); granite (Agr); tonalite (Ati); pegmatite (Apm); lamprophyre (Apl); inclusions of amphibolite locally common (Agla)
  - 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 (Agpp); 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 (Agq); inclusions and bands of amphibolite common (Agga); local areas of granodiorite (Agd) and granite (Agr)
  - Aub Ultrabasic rocks (Aub); pyroxenite (Apx)
  - Agp Paragneiss (Agp); 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 (Ahb); metatuff (Atf)
  - 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  
 Plunging (horizontal, inclined, vertical, dip unknown)  
 Plunging 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, unknown)  
 Drumlinoid ridge (direction of ice movement, unknown)  
 Esker (direction of flow assumed)  
 Locality where age has been determined (K-Ar method), millions of years  
 Mine  
 Nickel deposit  
 Shaft



Geology by P.A. DeMontigny (1959), G.H. Beall (1960), L. Gelinis (1962), D.P. Gold (1962), 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 T.L. Pappas, 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 1964  
 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°44' westerly at centre of west edge to 36°47' westerly at centre of east edge. Mean annual change 14.9' easterly



MAP 1541A  
 GEOLOGY  
**CRATÈRE DU NOUVEAU-QUÉBEC**  
 QUEBEC - NORTHWEST TERRITORIES



MAP LIBRARY / CARTOTHEQUE  
 LIBRARY / BIBLIOTHEQUE  
 FEB 7 1983  
 GEOLOGICAL SURVEY  
 COMMISSION GÉOLOGIQUE

35K & part of 35L	35 J	35 I	25 L
1544A	1543A	1542A	
35 F	35 G	35 H	25 E
1539A	1540A	1541A	1538A
35 C & D	35 B	35 A	25 D

NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO GEOLOGICAL SURVEY OF CANADA MAPS

NOT TO BE TAKEN FROM LIBRARY  
 NE PAS SORTIR DE LA BIBLIOTHÈQUE

1541A

