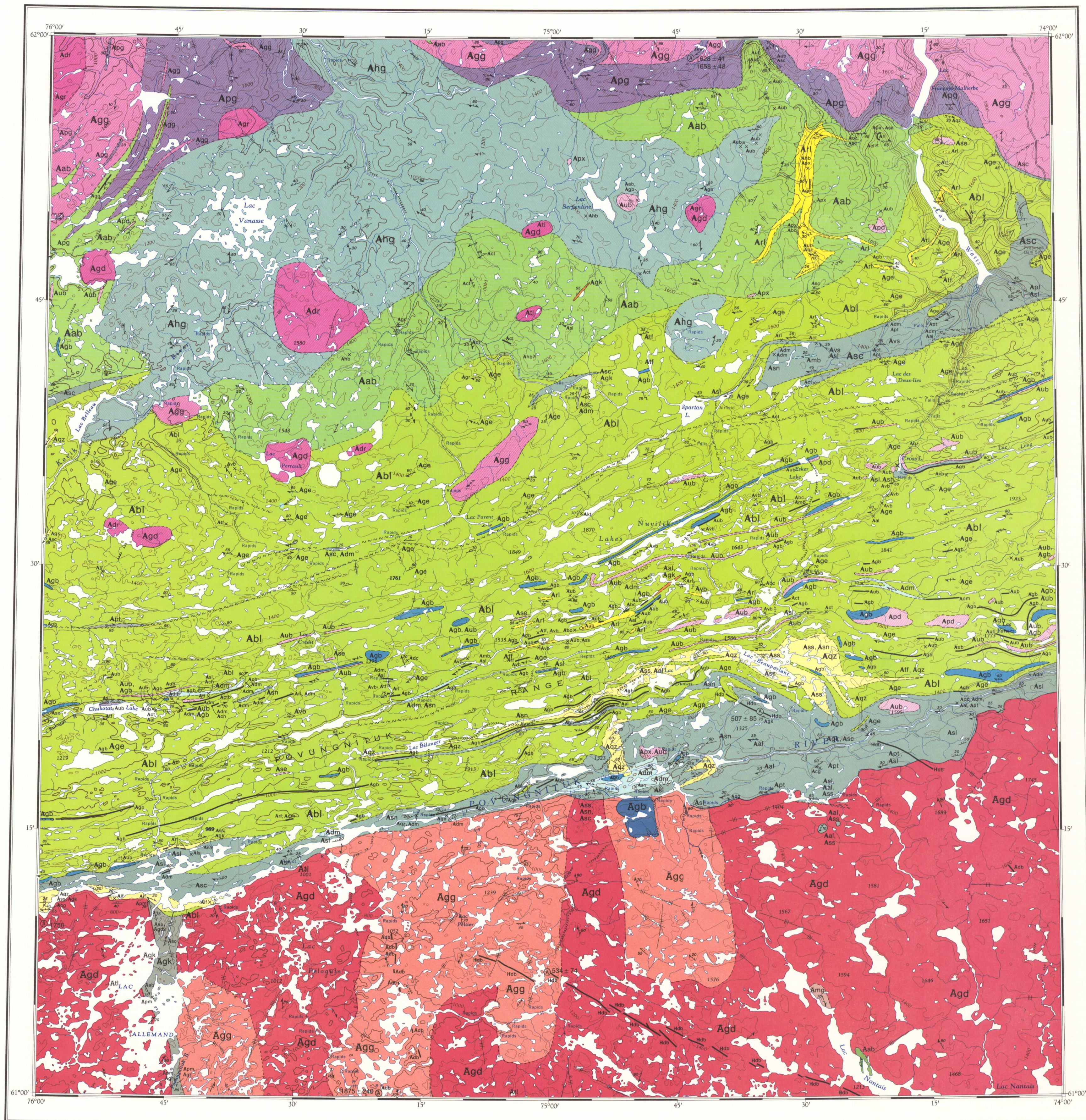


LEGEND

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 (Atl), diorite (Adr), pegmatite (Apm), apatite (Aap), inclusions of paragneiss (Agg), and amphibolite (Aab, Adra) locally present
 - Amg Migmatite (Amg); includes local amphibolite; 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 (Agg); inclusions and bands of paragneiss common (Agg)
 - Agf Granulite (Agf); 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 (Agf)
 - Ahg Hornblende-plagioclase gneiss (Ahg); locally with biotite and clinopyroxene; includes minor amounts of amphibolite (Aab)
 - Aab Amphibolite (Aab); hornblende (Ahb); locally includes thin staurolite (Ast); garnet common locally
 - Arc Rusty graphitic quartz-rich paragneiss (Arc); local biotite and garnet
 - Amb Marble (Amb); calc-silicate rocks (Acs), commonly with diopside
 - 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)
 - Agb Gabbro, metagabbro (Agb); locally includes ultrabasic rocks (Aub), pyroxenite (Apx) and peridotite (Apd)
 - Arl Rhyolite, rhyolite breccia, silicic crystal tuff, metarhyolite (Arl); dacite (Adc)
 - Abi Basalt (Abi); greenstone (Age); volcanic breccia (Avb); tuff (Atf); komatite (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 (Acd); explosion breccia (Acb)
 - 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)
 - Aaz Quartzite (Aaz); sandstone (Aas); conglomerate (Aag); quartzite and sandstone locally contain pebbles conglomerate horizons; includes minor amounts of greywacke (Agk), siltstone (Asn), argillite (Aal), iron formation (Afi), breccia (Avc), limestone (Als), sandstone (Aas), greywacke (Agk), quartzite (Aaz) and conglomerate (Aag); also locally includes thin mafic volcanic bands (Abi, Age) gabbro sills (Agb) and amphibolite (Aab)
 - Asc Schists of sedimentary origin (Asc); chiefly muscovite-biotite-quartz schist and muscovite-chlorite-quartz schist; argillite (Aal), siltstone (Asn), mudstone (Amu); shale (Ash) and slate (Asl) both commonly carbonaceous; phyllite (Apl); chert (Acr); iron formation and granite schist (Afi); breccia (Avc); volcanogenic sedimentary rocks (Ava); includes minor amounts of dolomite (Adm), limestone (Als), sandstone (Aas), greywacke (Agk), quartzite (Aaz) and conglomerate (Aag); also locally includes thin mafic volcanic bands (Abi, Age) gabbro sills (Agb) and amphibolite (Aab)
- ARCHAIC**
- 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 (Agg)
 - Amg Migmatite (Amg); includes local amphibolite 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 (Agg); 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 (Aaz); 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)
 - 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)
 - Esker (direction of flow assumed)
 - Locality where age has been determined (K-Ar method), millions of years
 - Mine
 - Nickel deposit
 - Shaft



Geology by G.H. Beall (1959, 1960), R. Bergeron (1959), 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 R.E. Saffin, 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 32°57.3' westerly at centre of west edge to 35°44.4' westerly at centre of east edge. Mean annual change 13.5' easterly

Copies of this map may be obtained from the Geological Survey of Canada: 601 Booth Street, Ottawa, Ontario K1A 0E9 3303-33rd Street, N.W., Calgary, Alberta T2L 2A7

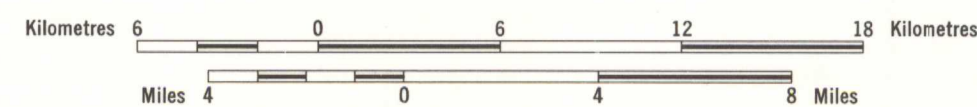
Printed by the Surveys and Mapping Branch, 1981



INDEX MAP

MAP 1540A
GEOLOGY
NUVILIK LAKES
QUEBEC

Scale 1:250 000



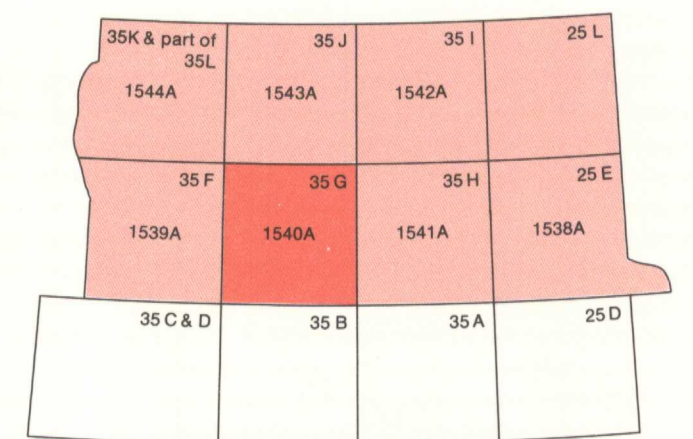
Elevations in feet above mean sea level
Universal Transverse Mercator Projection
©Crown Copyrights reserved

MAP LIBRARY | CARTOTHEQUE

LIBRARY | BIBLIOTHÈQUE

FEB 7 1993

GEOLOGICAL SURVEY
COMMISSION GÉOLOGIQUE



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

MAP 1540A

NUVILIK LAKES
QUEBEC

Canada

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

1540 A