

LEGEND

- HELIXIAN**
- Hd** Diabase (Mackenzie dykes)
- KAMILUKUAK IGNEOUS SUITE (Ay to Agp)**
- Agp** Alkali granite, coarse grained, porphyritic, fluorite-bearing, rapakivi textured
- Ag** Granite, equigranular to porphyritic, fluorite-bearing; includes some quartz monzonite; Agm, miarolitic granite in part may be younger than Agp
- Aqm** Quartz monzonite to granite
- Ay** Syenite; includes some quartz monzonite to granite
- APHEBIAN**
- DUBAWNT GROUP (ADs to ADvcg)**
- ADvcg** Polymictic boulder- to cobble conglomerate with abundant granitoid basement clasts
- ADvb** Basalt, amygdaloidal
- ADV** Polymictic conglomerate (predominantly volcanoclastic and calcareous), arkose, sandstone; in part may be older than ADPva
- ADPva** PITZ FORMATION: quartz-feldspar porphyries and associated volcanic rocks; ADPd, quartz-feldspar porphyry dykes
- ADCv** CHRISTOPHER ISLAND FORMATION: undivided volcanic flows, pyroclastics, and volcanogenic sediments; cut by bostonitic syenite, and biotite lamprophyre dykes
- ADS** Conglomerate, arkose, and wacke; includes conglomerate equivalent to South Channel Formation
- ARCHEAN/APHEBIAN**
- A1qm** Granodiorite to granite, massive to slightly foliated
- A1d** Diorite, quartz diorite, minor gabbro, foliated to massive
- A1y** Syenite to quartz monzonite, foliated to massive
- A1qma** Quartz monzonite to granite augen (potassium feldspar) gneiss, in part include minor tonalite and quartz diorite
- ARCHEAN**
- Agdn** Orthogneiss, granodiorite to quartz monzonite, foliated
- Angf** Hornblende-biotite granodiorite gneiss with mafic inclusions; may contain some augen gneiss (A1qma); cut by quartz monzonite to granite
- Ang** Migmatite to irregularly layered, banded or nebulitic gneiss, includes minor gneissic granodiorite with inclusions of amphibolite and paragneiss

Note: Relative ages of pre-Dubawnt Group rocks (Archean/Aphebian) are for the most part uncertain and no stratigraphic order is implied

- Drift covered area.....
- Rock outcrop (observed, probable outcrop, frost heaved rock).....
- Geological boundary (defined, approximate, assumed).....
- Geological boundary (interpreted from aeromagnetic data).....
- Bedding, tops known (inclined).....
- Bedding, tops unknown (inclined).....
- Cleavage, fracture cleavage (inclined, vertical, dip unknown).....
- Gneissosity, foliation (inclined, vertical, dip unknown).....
- Lineation (mineral or intersection; trend and plunge).....
- Fold axis (trend and plunge).....
- Fault (approximate, assumed or interpreted from aeromagnetic data).....
- Jointing (inclined, vertical, dip unknown).....
- Axial trace of antiform, synform, and direction of plunge.....
- Glacial striae (direction of ice movement known, unknown).....
- Locality where age determined isotopically (age in millions of years).....
- Method: potassium-argon, uranium-lead.....
- Material: m, muscovite; b, biotite; h, hornblende; z, zircon.....
- Mineral occurrence (uranium).....

Geology by K.E. Eade and S. Tella, 1979; K.E. Eade, S. Tella, A.R. Miller and C.G. Lamontagne, 1980

Compilation by S. Tella and K.E. Eade

Geological cartography by M. St. Pierre, Geological Survey of Canada

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

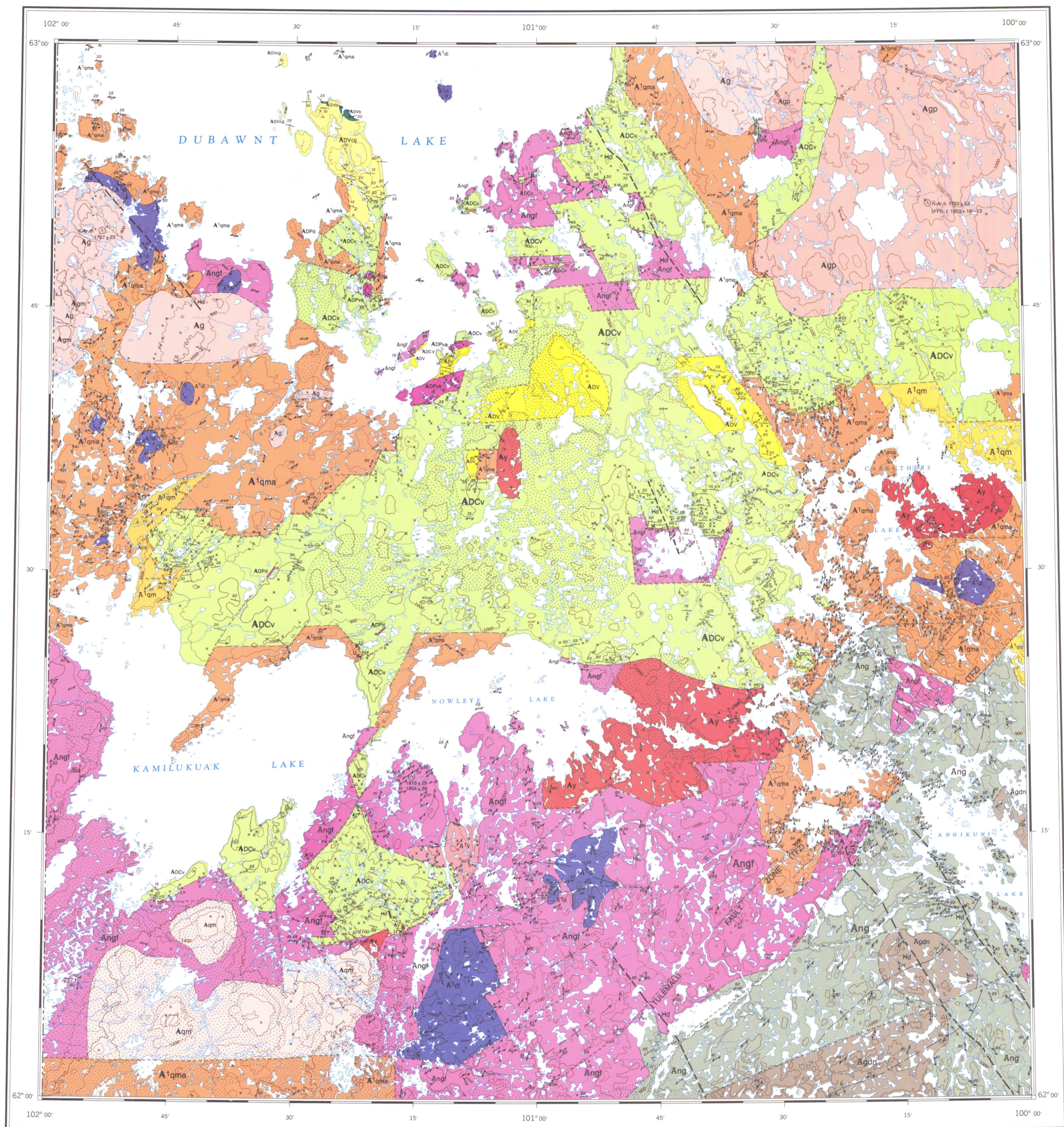
Base map at the same scale by the Army Survey Establishment R.C.E. in 1966

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Mean magnetic declination 1985, 13°13' East decreasing 36.0' annually. Readings vary from 11°18' in the NE corner to 14°54' in the SW corner of the map area

Elevations in feet above mean sea level

Recommended citation:
Tella, S. and Eade K.E.
1985: Geology, Kamilukuk Lake, District of Keewatin, Northwest Territories, Geological Survey of Canada, Map 1629A, scale 1:250 000



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INDEX MAP

MAP 1629 A
GEOLOGY
KAMILUKUAK LAKE AREA
DISTRICT OF KEEWATIN
NORTHWEST TERRITORIES

Scale 1:250 000

Kilometres 5 0 5 10 15 20 Kilometres

Universal Transverse Mercator Projection
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65 M	65 N	65 O	65 P
65 L	65 K	65 J	65 I
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