



GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

LEGEND

HELIKIAN
Gabbro and diabase dykes (northwest trending)

16 Granite, quartz monzonite, granodiorite; pink to grey, porphyritic, coarse grained, commonly fluorite-bearing (Nueulin Lake granite)

APHEBIAN
15 Granite, quartz monzonite; pink, medium grained; 15a, white to grey granodiorite; 15b, with abundant inclusions and bands of older rock; 15c, granite pegmatite

HURWITZ GROUP(8-14)
12 Dolomite and limestone with some interbedded argillite and phyllite; 12a, quartz-magnetite iron-formation interbedded with dolomite and phyllite

11 Gabbro sills; 11a, meta-gabbro sills

10 Argillite, phyllite; some interbedded dolomite and limy argillite; minor greywacke, slate, siltstone, quartz-magnetite iron-formation

9 Quartzite, orthoquartzite; minor arkose

8 Greywacke-conglomerate, greywacke, protoquartzite; minor arkose

7/1 Meta-gabbro dykes (north to northeast trending)

6 Quartz monzonite to granite; minor granodiorite; massive to slightly foliated; may include some 15; 6a, foliated granodiorite to quartz monzonite; 6b, quartz monzonite to granodiorite with abundant bands or inclusions of grey granodiorite gneiss; 6c, granodiorite with amphibolite inclusions and bands; 6d, quartz diorite to granodiorite

5 Grey biotite granodiorite gneiss; some biotite-hornblende granodiorite gneiss; 5a, hornblende-biotite granodiorite gneiss; 5b, banded gneiss; 5c, hypersthene-bearing granodiorite gneiss; biotite-hornblende-pyroxene gneiss to massive granodiorite; includes minor amounts of 5; 5d, diorite to granodiorite gneiss

4 Paragneiss, some paraschist; may include some paragneiss 14; 4a, meta-arkose; 4b, hypersthene-bearing paragneiss

3 Amphibolite, amphibolite gneiss; some meta-gabbro; 3a, melanocratic gneiss; 3b, chlorite schist; 3c, metamorphosed ultrabasic rock

2 Greywacke, greywacke-conglomerate, argillite, phyllite; minor tuff; metamorphosed equivalents; may include minor paragneiss 4; 2a, quartz-magnetite iron-formation

1 Metavolcanic rocks; meta-andesite, meta-basalt; minor agglomerate, meta-diorite to meta-gabbro, tuff, and felsic volcanics; may include some amphibolite 3 and greywacke 2; 1a, quartz latite; minor agglomerate and basic volcanic rocks; 1b, quartz-magnetite iron-formation

Drift-covered area

Rock outcrop; probable outcrop or observed from air

Geological boundary (defined, approximate, assumed)

Geological boundary (gradational)

Limit of geological mapping

Bedding, tops known

Bedding, tops known (inclined, vertical, dip unknown)

Pillows, tops known, vertical

Schistosity, cleavage (inclined, vertical, dip unknown)

Gneissosity, foliation (inclined, vertical, dip unknown)

Lineation (inclined, horizontal)

Lineation, axes of minor folds

Fault (defined, approximate, assumed)

Joint (inclined, vertical, horizontal)

Anticline (defined, approximate, trace of axial plane, arrow indicates plunge)

Syncline (defined, approximate, trace of axial plane, arrow indicates plunge)

Mineral occurrence (py - pyrite; po - pyrrhotite; cp - chalcopyrite; mo - molybdenite)

Geology by K. E. Eade 1969, 1970

To accompany G.S.C. Paper 72-21 by K. E. Eade

This preliminary edition may be subject to revision and correction

Geological cartography by the Geological Survey of Canada

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

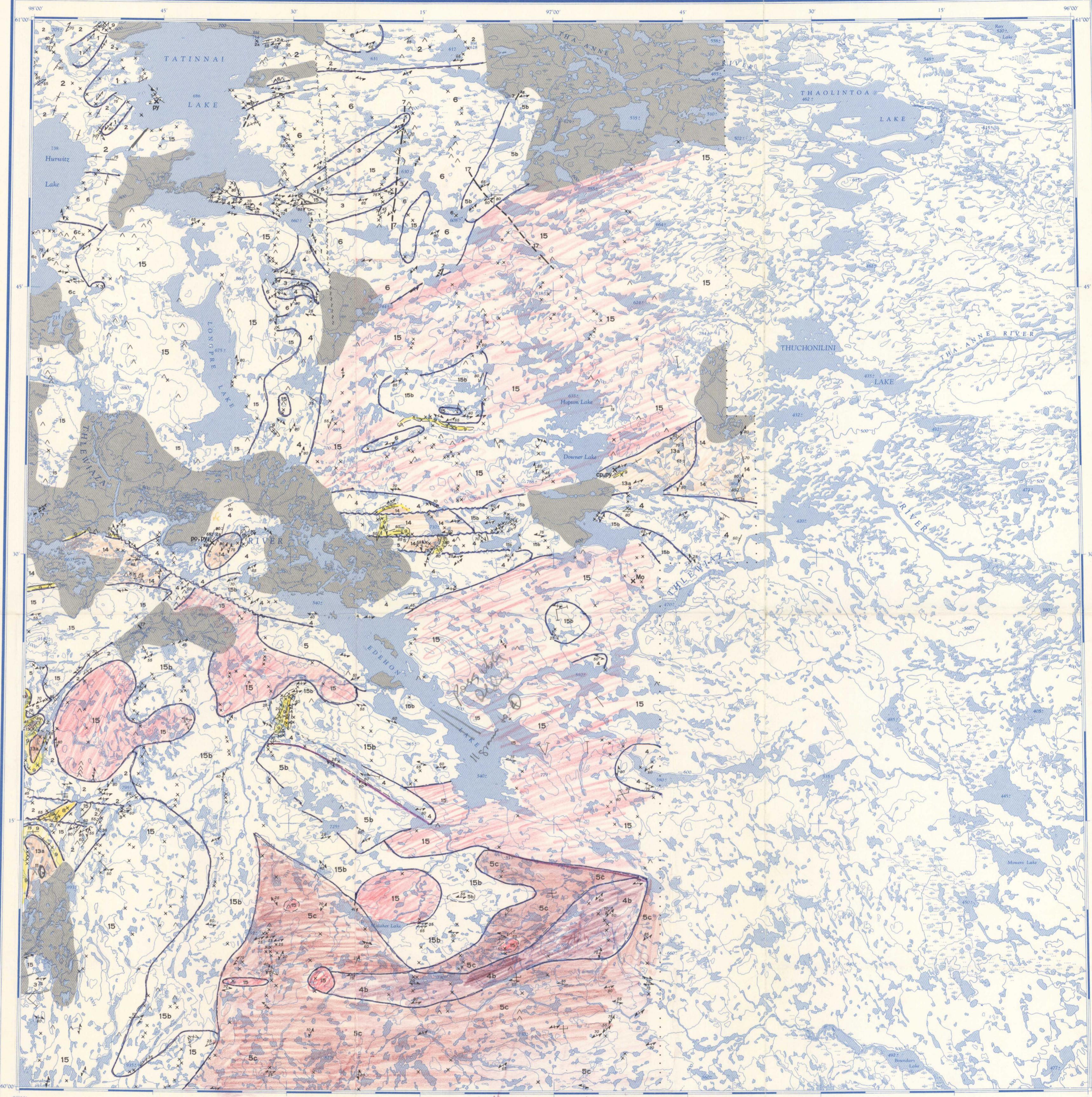
Base-map at the same scale published by the Army Survey Establishment, R.C.E., 1966

Copies of the topographical edition of this map may be obtained from the Canada Map Office, 615 Booth Street, Ottawa, Ontario K1A 0E9

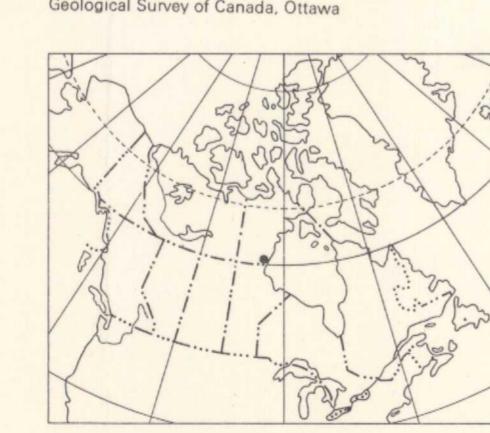
Magnetic declination 1972, varies from 10°32' easterly at centre of west edge to 6°24' easterly at centre of east edge. Mean annual change +3.05'.

Elevations in feet above mean sea-level

PRELIMINARY SERIES



Published, 1973
Copies of this map may be obtained from the Geological Survey of Canada, Ottawa



MAP 3-1972

PAPER 72-21

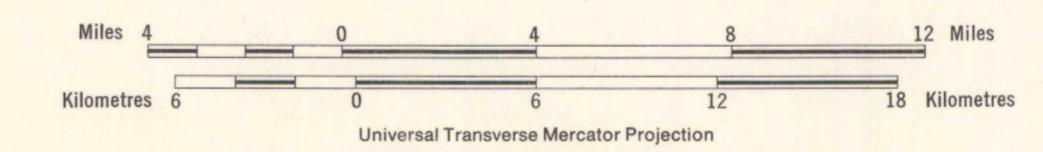
GEOLOGY

EDEHON LAKE

(West Half)

DISTRICT OF KEEWATIN

Scale 1:250,000



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65G	10-1965	65H	9-1970
65B	4-1972	65A	55D
640	3-1972	64P	54M
35-1963	14-1967	17-1965	

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

MAP 3-1972

EDEHON LAKE

(West Half)

DISTRICT OF KEEWATIN

G
3401
C5
1956
G4
omvfc
2
C
R
72