



LEGEND

- HELIKIAN**
- 17 Gabbro and diabase dykes (northwest trending)
 - 16 Granite, quartz monzonite, granodiorite; pink to grey, porphyritic, coarse grained, commonly fluorite-bearing (Nucletin 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 arkosid quartzite; 9a, greywacke, pebbly greywacke
 - 8 Greywacke-conglomerate, greywacke, protoquartzite; minor arkose
- 14** Paragneiss, parashist, calc-silicate bands: derived from 13; may include minor amounts of 4
- 13** Undivided 10, 11, and 12; 13a, metamorphosed equivalents of 10, 11, and 12; phyllite, quartz-mica-feldspar schist, knotted schist, calc-silicate rocks, crystalline limestone, meta-gabbro sills

- 77** 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 parashist; may include some paragneiss 4; 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, tops unknown, 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 - pyrrothite; cp - chalcopyrite; mo - molybdenite) Mo X

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

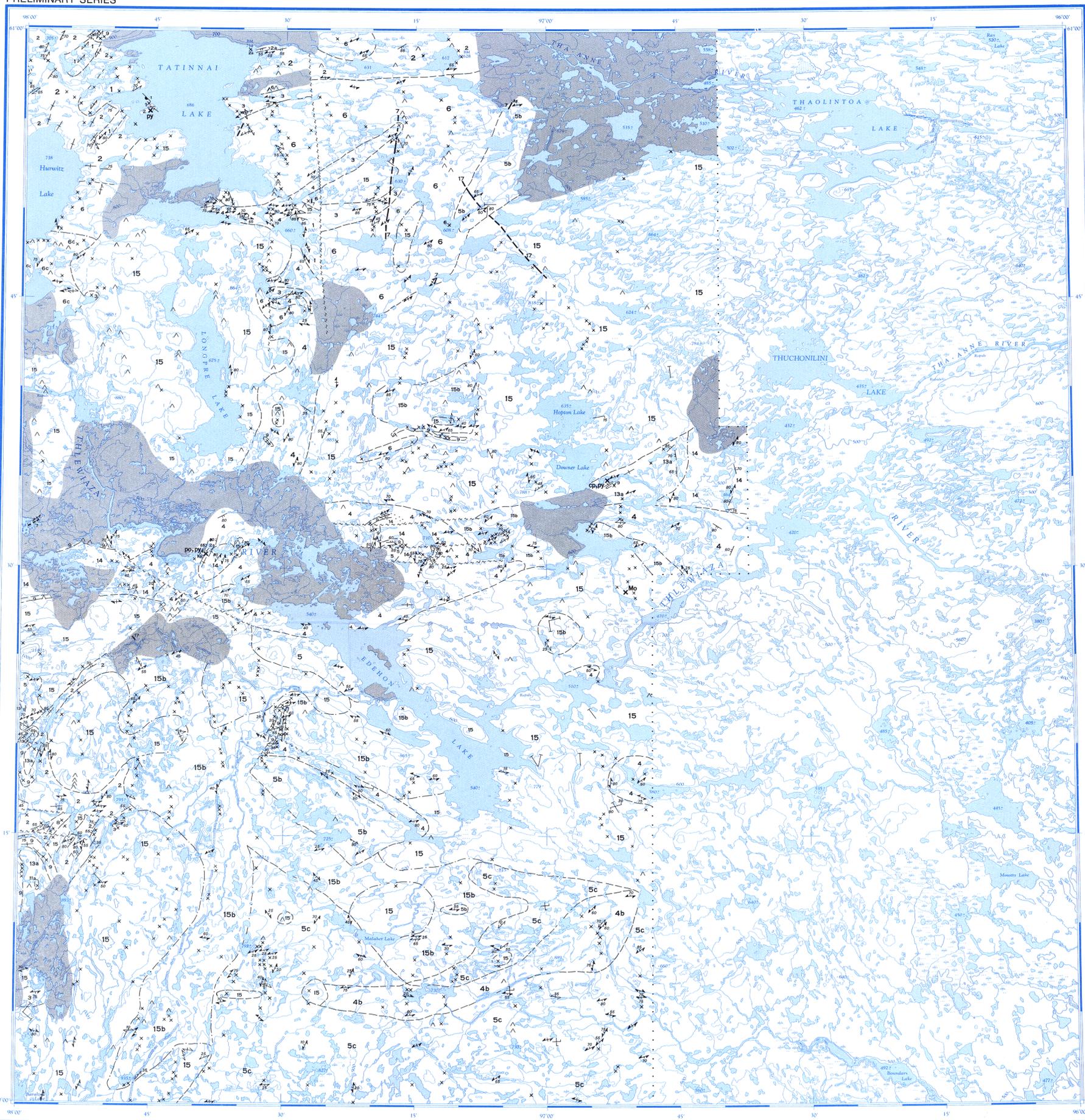
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Magnetic declination 1972, varies from 10°32' easterly at centre of west edge to 6°24' easterly at centre of east edge. Mean annual change +3.05'

Elevations in feet above mean sea-level

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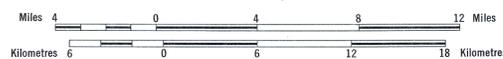
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INDEX MAP

MAP 3-1972
PAPER 72-21
GEOLOGY
EDEHON LAKE
(West Half)
DISTRICT OF KEEWATIN

Scale 1:250,000



Universal Transverse Mercator Projection
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65G 10-1965	65H 10-1964	65I 15-1970	65J 9-1970
65B 4-1972	65A 3-1972	65C 1-1972	65D 1-1972
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NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO GEOLOGICAL SURVEY OF CANADA MAPS

MAP 3-1972

EDEHON LAKE

(West Half)
DISTRICT OF KEEWATIN

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