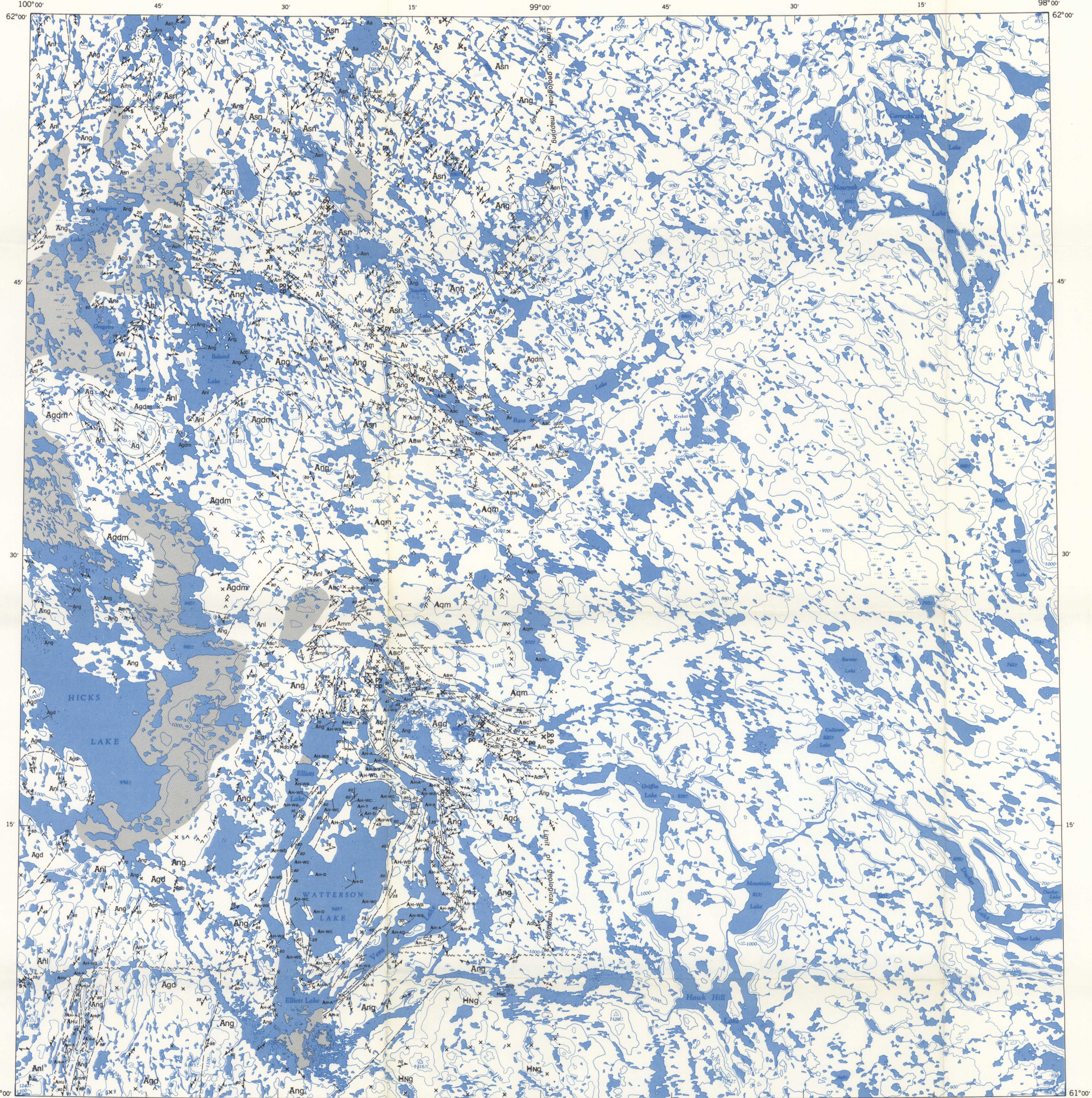




GEOLOGICAL SURVEY OF CANADA  
DEPARTMENT OF ENERGY, MINES AND RESOURCES

PRELIMINARY SERIES



LEGEND

- HELIXIAN**
- Hdb** Mackenzie diabase
- Hng** Nueltin Lake granite
- Aqm** Krekot Lake quartz monzonite to granite; minor granodiorite
- ABC** Bate Lake Sediments (Ab)  
Phyllite and dolomite; Abc', calc-silicate rock and mica schist
- ABw** Metamorphosed arkose to subgreywacke to siltstone; Abw', paragneiss and migmatite derived from Abw
- HURWITZ GROUP (Ah)**  
Undifferentiated Ah-A, Ah-W, Ah-D, and metamorphosed equivalents
- AH-T** TAVANI FORMATION: impure quartzite to arkose
- AH-D** DUCKER FORMATION: greywacke, siltstone
- AH-W** WATTERSON FORMATION: dolomite, argillite, siltstone, phyllite  
Ah-wc: Member c, rusty weathering dolomite, intercalated argillite and phyllite  
Ah-wb: Member b, phyllite, shale, siltstone  
Ah-wa: Member a, cream dolomite, intercalated argillite and phyllite
- AH-A** AMETO FORMATION: shale, slate, siltstone  
Ah-ag: gabbro
- AH-K** KINGA FORMATION: orthoquartzite, locally with quartz pebbles
- AH-P** PADLEI FORMATION: polymictic conglomerate
- Aq** Quartzite, orthoquartzite (age uncertain)
- PLUTONIC ROCKS**
- Adb** Metagabbro, gabbro
- Aa** Anorthosite, anorthositic gabbro
- Ag** Gabbro, metagabbro
- Agd** Quartz monzonite to granodiorite; minor quartz diorite;  
Agdm: quartz monzonite (may include some Aqm)  
Agd': quartz diorite
- GNEISSIC ROCKS**
- Ang** Granodiorite gneiss with some amphibolite inclusions and lenses of darker gneiss; minor quartz diorite gneiss;  
Ang': quartz diorite gneiss
- Anl** Layered gneiss
- ASNIK GROUP**
- Asn** Pelitic gneiss and paragneiss, in part garnetiferous, partly migmatized; minor amphibolite bands
- As** Metagreywacke and slate, with some tuff; minor iron-formation
- Av** Undifferentiated volcanic rocks
- Au** Ultrabasic rocks, in part with 'spinafex' texture; may include minor gabbro
- Al** Felsic to intermediate tuffs, agglomerate, and flows;  
Al': schists derived from Al
- Am** Massive and pillowed basaltic and andesitic greenstones; minor iron-formation;  
Amm: predominantly amphibolite; minor amphibolitic greenstone, amphibole schist and gneiss

- Drift-covered area
- Rock outcrop; probable outcrop or observed from air
- Geological boundary (defined, approximate, assumed)
- Geological boundary (gradational)
- Bedding, tops known (inclined)
- Bedding, tops unknown (inclined, vertical)
- Schistosity, cleavage (horizontal, inclined, vertical, dip unknown)
- Gneissosity, foliation (horizontal, inclined, vertical, dip unknown)
- Lineation
- Fault (defined, approximate, assumed)
- Anticline (approximate trace of axial plane, arrow indicates plunge)
- Syncline (approximate trace of axial plane, arrow indicates plunge)
- Plunge of minor fold axis
- Mineral occurrence (s: sulphides; py: pyrite; po: pyrrhotite; cp: chalcopyrite)

Geology by K.E. Eade and F.W. Chandler, 1973

To accompany Paper 74-64 by K.E. Eade and F.W. Chandler

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. in 1963

Copies of the topographical edition of this map may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa

Mean magnetic declination 1975 varies from 15°29.7' easterly at centre of west edge to 11°34.8' easterly at centre of east edge. Mean annual change -2.8'

Elevations in feet above mean sea-level

Copies of this map may be obtained from the Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario K1A 0E8 3303 - 33rd Street N. W., Calgary, Alberta T2L 2A7



INDEX MAP

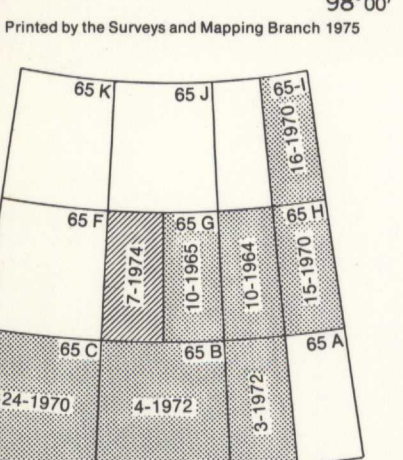
MAP 7-1974  
PAPER 74-64  
GEOLOGY  
**WATTERSON LAKE**  
(West Half)  
DISTRICT OF KEEWATIN

Scale 1:250,000

Kilometres 6 0 6 12 18 Kilometres

Miles 4 0 4 8 Miles

Universal Transverse Mercator Projection  
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NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO GEOLOGICAL SURVEY OF CANADA MAPS  
MAP 7-1974  
**WATTERSON LAKE**  
(West Half)  
DISTRICT OF KEEWATIN

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