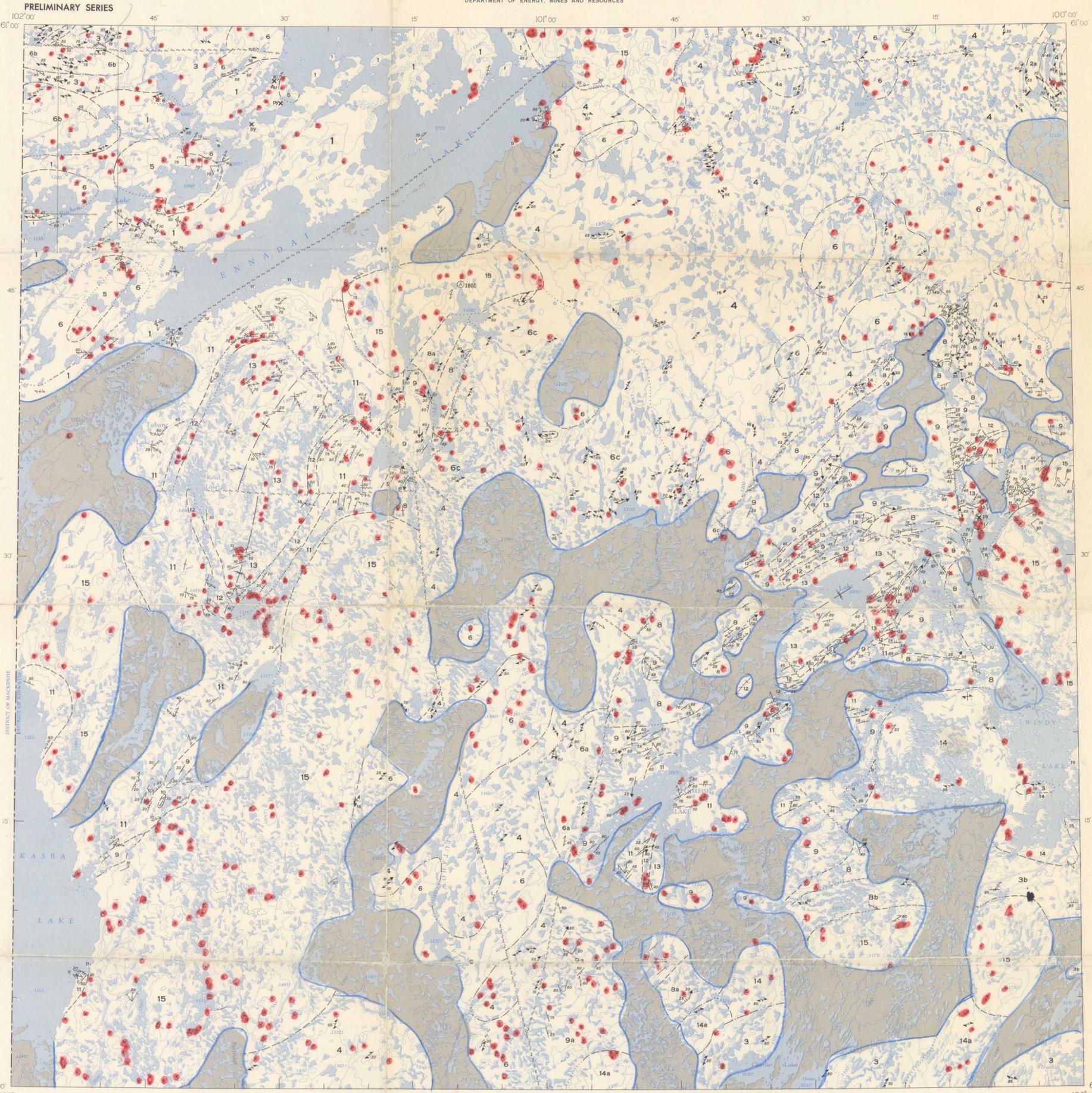




GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES



LEGEND

- 16 Gabbro and metagabbro dykes, porphyritic in part (probably of more than one age)
- 15 Coarse-grained porphyritic granite to quartz monzonite, commonly fluorite-bearing
- 14 Quartz monzonite to granodiorite; 14a, white to grey granodiorite; 14b, syenodiorite
- 13 Lithic greywacke to subgreywacke, pebbly
- 12 Conglomerate
- HURWITZ GROUP (7 - 11)
- 11 Arkose to subgreywacke
- 10 Latite, quartz latite, dacite, and tuff
- 9 Dolomite, limestone; minor argillite and phyllite; 9a, calc-silicate rocks and minor phyllite
- 8 Argillite, phyllite, greywacke; minor dolomite; 8a, metagreywacke to paragneiss with minor calc-silicate bands; 8b, hybrid gneiss and granodiorite
- 7 Orthoquartzite; minor quartz sericite schist
- 6 Granodiorite to quartz monzonite, pink, massive to foliated, may include some 14; 6a, well-foliated granodiorite to quartz monzonite; 6b, gneissic granodiorite with abundant paragneiss 3 and/or metavolcanic 1 inclusions; 6c, mixed granodiorite and grey biotite gneiss 4
- 5 Diorite and gabbro (may be of more than one age)
- 4 Grey biotite granodiorite-gneiss; 4a, biotite-sillimanite gneiss
- 3 Paragneiss; minor paraschist; 3a, metaquartzite (relation to 7 not known); 3b, meta-arkose (relation to 11 not known)
- 2 Amphibolite, amphibolite gneiss; 2a, melanocratic plagioclase-hornblende-biotite gneiss
- 1 Meta-andesite, diorite; metavolcanic rocks; minor iron-formation; 1a, quartz-feldspar porphyry

- Drift-covered area
- Rock outcrop; probable outcrop or observed from air
- Geological boundary (defined, approximate, assumed)
- Geological boundary (gradational)
- Bedding, tops known (horizontal, inclined)
- Bedding, tops unknown (inclined, vertical, dip unknown)
- Schistosity, cleavage (horizontal, inclined, vertical, dip unknown)
- Gneissosity, foliation (horizontal, inclined, vertical, dip unknown)
- Lincation
- Lincation, axes of minor folds (inclined, inclined but plunge unknown)
- Drag fold (arrow indicates plunge)
- Fault (defined, approximate, assumed)
- Joint (inclined, vertical)
- Syncline (defined, approximate, trace of axial plane, arrow indicates plunge)
- Locality where age has been determined in millions of years
- Mineral occurrence (Au: gold; py: pyrite)

Geology by K. E. Eade, 1968-69

To accompany GSC Paper 70-45 by K. E. Eade

This preliminary edition may be subject to revision and correction

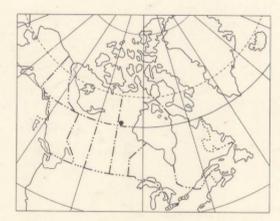
Geological cartography by the Geological Survey of Canada

Base-map at the same scale published by Army Survey Establishment, R. C. E. in 1963

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

Magnetic declination 1970 varies from 14° 20' East at centre of East edge to 17° 30' East at centre of West edge. Mean annual change -2.7'

All elevations in feet above mean sea-level

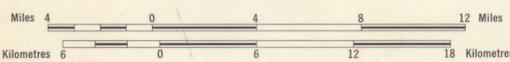


INDEX MAP

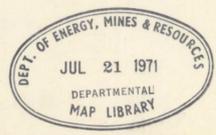
To be completed

MAP 24-1970
PAPER 70-45
GEOLOGY
ENNADAI LAKE
DISTRICT OF KEEWATIN

Scale 1:250,000



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64 M	64 N	64 O
5-1960	31-1962	35-1963

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