

- LEGEND**
- 14 Gabbro, diabase and meta-gabbro dykes
  - HURWITZ GROUP (8-13)**
  - 13 Gabbro sills
  - 12 Impure quartzite, quartz-sericite schist; minor impure dolomite
  - 11 Greywacke; minor siltstone
  - 10 Dolomite, argillite, siltstone; includes some undivided greywacke (11)
  - 9 Slate, shale, siltstone; minor greywacke
  - 8 Orthoquartzite; minor impure quartzite, pebble conglomerate; 8a, boulder conglomerate, greywacke conglomerate, and greywacke
  - ARCHAEAN or EARLY PROTEROZOIC**
  - 7 Quartzite; some boulder conglomerate; minor siltstone; 7a, siltstone
  - 6 Granodiorite, quartz diorite, granite
  - 5 Biotite and hornblende gneiss and schist; some paragneiss and banded gneiss; probably derived from 1 and 2
  - 3 Iron-formation, jasper-hematite, siliceous magnetite-hematite, and cherty magnetite
  - ARCHAEAN**
  - 2 Greywacke, sub-greywacke, phyllite, argillite, and tuff; includes minor iron-formation (3) and volcanic rocks (1); 2a, dolomite; 2b, mica-quartz schist, probably derived from sub-greywacke and impure quartzite
  - 1 Andesite, dacite, gabbro, quartz latite, rhyolite, agglomerate; includes minor tuff (2) and iron-formation (3); 1a, gabbro; meta-gabbro dykes or sills
  - 4 Undifferentiated volcanic and sedimentary rocks, 1, 2, and 3

- Drift-covered area
- Geological boundary (defined, assumed)
- Limit of geological mapping
- Bedding, tops known (inclined, overturned)
- Bedding, tops unknown (inclined, vertical, dip unknown)
- Schistosity, gneissosity, cleavage, foliation (inclined, vertical, dip unknown)
- Lineation (inclined)
- Lineation, axes of minor folds (inclined)
- Fault (defined, assumed)
- Thrust fault (teeth in direction of dip; defined, assumed)
- Anticline (defined, approximate; arrow indicates plunge)
- Syncline (defined, approximate)
- Syncline (overturned)
- Mineral occurrence (pyrite - py, chalcocopyrite - cp)

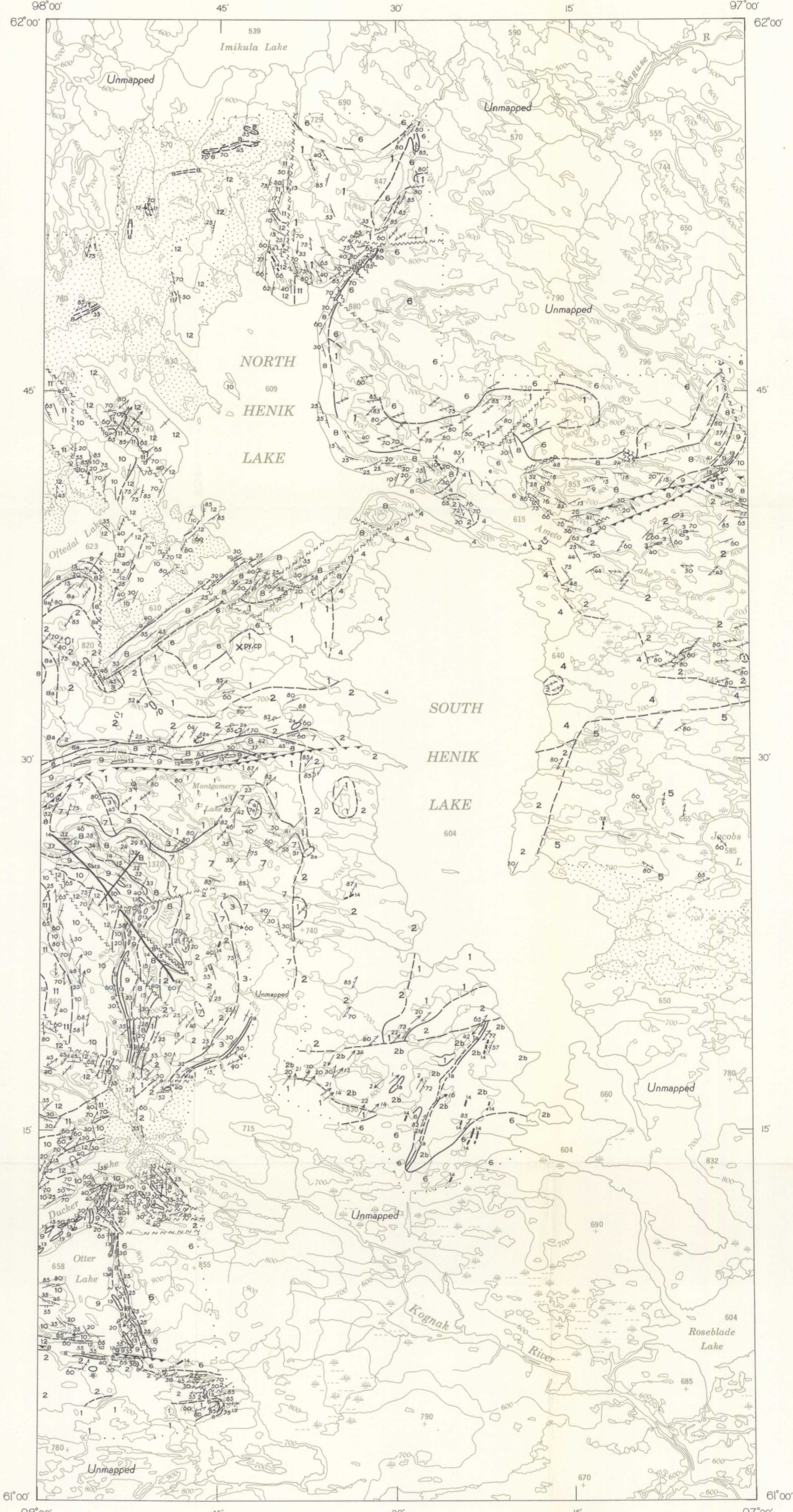
Geology by K. E. Eade, 1962, 1963

Geological cartography by the Geological Survey of Canada, 1964

- Marsh
- Contours (Interval 100 feet)
- Height in feet above mean sea-level

Base-map cartography by the Geological Survey of Canada, 1964  
from maps compiled by the Surveys and Mapping Branch, 1963

Mean magnetic declination 9° 36' East, increasing 2.6' annually.  
Readings vary from 8° 16' in the NE corner to 10° 57' in the SW corner of the map-area



PUBLISHED, 1964  
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DIRECTOR, GEOLOGICAL SURVEY OF CANADA, OTTAWA

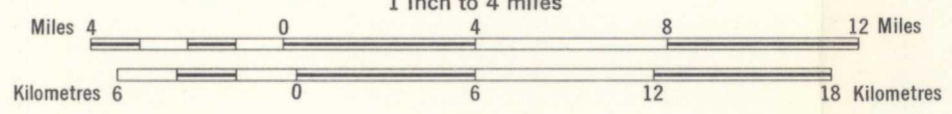
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MAP 10-1964  
PAPER 64-27  
GEOLOGY  
**KOGNAK RIVER**  
(East Half)  
DISTRICT OF KEEWATIN

MAP 10-1964  
KOGNAK RIVER  
DISTRICT OF KEEWATIN  
65 H W

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Scale 1:253,440  
1 inch to 4 miles



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