



GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

PRELIMINARY SERIES

111°30' 65°50' 20' 10' 111°00' 65°50'

CONTWOYTO

LAKE

LEGEND

- 9 Gabbro, in part diabasic, basalt; 9a, light green and altered
- 8 Biotite-muscovite granite, mainly coarse-grained and pegmatitic; 8a, fine-grained; 8b, biotite-rich; 8c, with many small remnants of 4; 8d, with amphibolite; 8e, with pegmatite; 8f, hornblende syenite, coarse
- 7 Amphibolite, hornblende-andesine gneiss and schist, in part dioritic; 7a, porphyritic and very coarse
- 6 Argillite, siltstone, slate, greywacke, impure grey quartzite, minor white quartzite; 6a, carbonized; 6b, contorted; 6c, garnet-cummingtonite-quartz-sulphides gneiss, amphibolitic, in part massive and coarse-grained; 6d, with nodular schist (4)
- 4 5 4. Nodular (cordierite mainly) quartz-biotite schist and gneiss; 4a, coarse biotite-andalusite schist and gneiss; 4b, with amphibolite; 4c, with pegmatite 5. Augen gneiss; 5a, with pegmatite; 5b, with nodular schist (4)
- 2 3 2. Fine-grained well layered quartz-feldspar-biotite gneiss; 2a, massive fine-grained granular quartz-feldspar-biotite gneiss, in part related to 4; 2b, quartzitic; 2c, with amphibolite and hornblende schist; 2d, with pegmatite 3. Amphibolite-garnet-cordierite-quartz gneiss, varying from plumose amphibolite to granitoid gneiss; some medium-grained granular gneiss similar to 1; 3a, with pegmatite; 3b, garnetiferous granitoid gneiss, in part with amphibole and carbonate
- 1 Medium- to fine-grained granular quartz-feldspar gneiss, in part massive coarse-grained red granite; 1a, mainly fine-grained; 1b, massive coarse-grained red granite; 1c, with pegmatite; 1d, biotite-rich and fine grained; 1e, augen gneiss, biotite-rich; 1f, with amphibolite remnants

- Sand and gravel ridges, eskers, delta, shore deposits and river bars
- Geological boundary (approximate, assumed)
- Bedding, tops known (overturned, dip unknown)
- Bedding, tops unknown (inclined, vertical, dip unknown)
- Trend of bed of 6c
- Trend of foliation, layering, or bedding (inclined, vertical, dip unknown)
- Schistosity, bedding cleavage, early cleavage (inclined, vertical, dip unknown)
- Fracture cleavage, late cleavage (inclined, vertical, dip unknown)
- Lineation
- Drag-fold
- Fault
- Anticline
- Syncline
- Glacial striae
- Rock trench, stripped area, drilling site

MINERALS

Arsenopyrite.....asp Pyrite.....py
Chalcopyrite.....cp Pyrrhotite.....po
Garnet.....gt Tourmaline.....tl
Gold.....Au

Geology by L. P. Tremblay, 1964

To accompany GSC Paper 65-21 by L. P. Tremblay

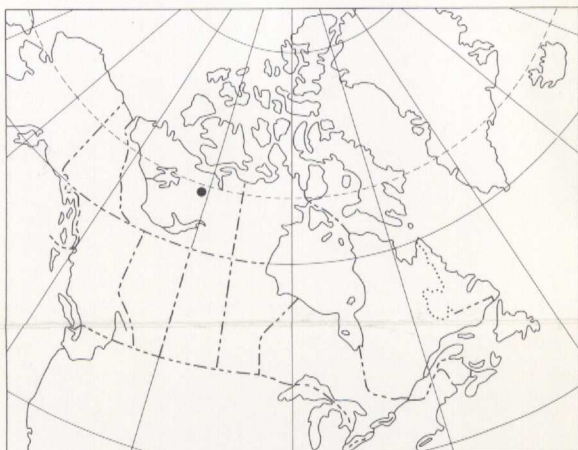
Geological cartography by the Geological Survey of Canada, 1965

- Building
- Stream (approximate)
- Contour (interval 100 feet)
- Height in feet above mean sea-level

Base-map cartography by the Geological Survey of Canada, 1965
from maps compiled by the Surveys and Mapping Branch in 1963

Geographical names subject to revision

Approximate magnetic declination, 34°24' East, decreasing 8.5' annually



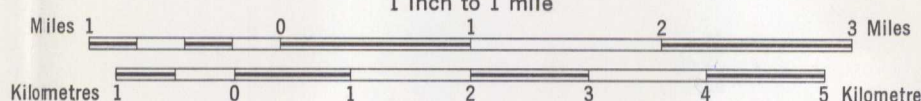
INDEX MAP

Published, 1966
Copies of this map may be obtained from the
Director, Geological Survey of Canada, Ottawa

MAP 12-1965
PAPER 65-21
GEOLOGY

CONTWOYTO LAKE
DISTRICT OF MACKENZIE

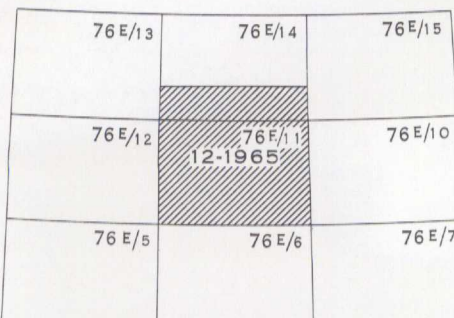
Scale 1:63,360
1 inch to 1 mile



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N. T. S. REFERENCE
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DISTRICT OF MACKENZIE



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