GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

PRELIMINARY SERIES

LEGEND

PROTEROZOIC

7	Mafic dykes of more than one age; 7a, olivine diabase; 7b, pyroxene diabase; 7c, hornblende diorite and gabbro
6	Muscovite leucogranite and quartz monzonite, pale grey, massive to foliated
5	Predominantly pink granite and allied rocks; minor quartz diorite, foliated to massive; 5a, granite, quartz monzonite; 5b, pegmatite; 5c, granodiorite; 5d, porphritic quartz monzonite and granodiorite; 5e, quartz diorite; 5g, amphibolite and associated migmatite. May in part be younger than 6

ARCHEAN

4	Granite to granodiorite with some diorite; characteristically includes scattered remnants of schist, gneiss, and associated migmatite derived mainly from metasediments; 4a, granite, quartz monzonite; 4b, pegmatite; 4c, granodiorite; 4d, porphyritic granodiorite; 4e, quartz diorite, diorite, and hypersthene granulite; 4f, garnetiferous schist and gneiss; 4g, andalusite-, cordierite-, and sillimanite-bearing schist; 4h, metagreywacke; 4j, calc-silicate rock; 4k, laminated quartzofeldspathic gneiss and mylonite; 4l, amphibolite
3	Granitic gneiss, dioritic gneiss and migmatite derived from amphibolite and from metasediments; minor foliated to massive granite, granodiorite, quartz diorite, diorite; 3a, biotite granite-gneiss, biotitic schist and migmatite; 3b, garnetiferous schist and gneiss; 3c, laminated quartzofeldspathic gneiss and migmatite; 3d, hornblende granite-gneiss, amphibolite, and migmatite; 3e, granite to granodiorite; 3f, pegmatite; 3g, quartz diorite, diorite
2	Pelitic schist with some interlayered amphibolite; minor granitic rocks and migmatite; 2a, biotite-feldspar-quartz schist; 2b, garnetiferous schist; 2c, amphibolite; 2d, granite to granodiorite, migmatite. Age relative to 1 uncertain
1	Amphibolite, hornblende-rich schist and gneiss

Drift-covered area .....

Geological boundary (defined and approximate, assumed).....

Schistosity, gneissosity, foliation (inclined, vertical, dip unknown) .....

Lineation (horizontal, inclined) .....

Minor fold (arrow indicates plunge) .....

Fault (defined, approximate, assumed).....

Quartz vein.....

Joint (vertical, inclined).....

Glacial striae (direction of ice movement known).....

Pyritic gossan .....py×

Cataclastic structure .....(augen structure..a×; breccia..b×; mylonite..m×)

Geology by J. A. Fraser, 1969

To accompany GSC Paper 71-38 by J. A. Fraser

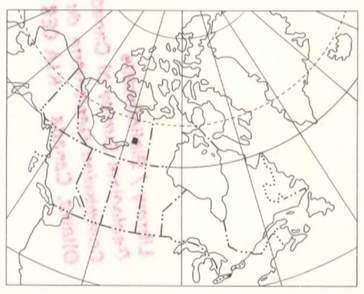
Geological cartography by the Geological Survey of Canada

Base-map at the same scale published by the Army Survey Est., R. C. E., 1965

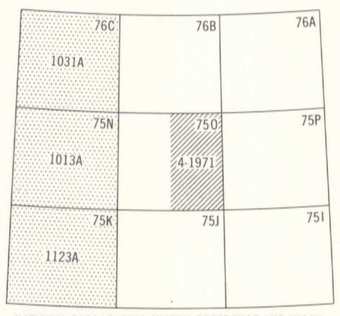
Copies of the topographical edition of this map may be obtained from the Map Distribution Office, Department of Energy, Mines and Resources, Ottawa

Magnetic declination 1971, varies from 27°27' easterly at centre of west edge to 26°03' easterly at centre of east edge. Mean annual change decreasing 3.6'

Elevations in feet above mean sea-level



INDEX MAP



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

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

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MAP 4-1971
PAPER 71-38

GEOLOGY

ARTILLERY LAKE

(East Half)

DISTRICT OF MACKENZIE

Scale 1:250,000

Miles 4 0 4 8 12 Miles

Kilometres 6 0 6 12 18 Kilometres

MAP 4-1971
ARTILLERY LAKE
(East Half)
DISTRICT OF MACKENZIE