

CANADA
DEPARTMENT
OF
MINES AND TECHNICAL SURVEYS
GEOLOGICAL SURVEY OF CANADA
MAP 17-1956
TO ACCOMPANY PAPER 2-10
**EASTERN DISTRICT OF MACKENZIE
NORTHWEST TERRITORIES**
Scale: One Inch to Eight Miles
1:500,000
0 4 8 16 24
Miles

LEGEND

PALEOZOIC

ORDOVICIAN

19 Fossiliferous limestone; associated rocks of uncertain origin and age

LATE PROTEROZOIC

18a, diabasic gabbro; 18b, intermediate to basic dyke rocks; 18c, hornblende diorite and minor gabbro, in part intimately intruded into schist (1)

DUBAWNT GROUP (14-17)

17 Dolomite and concretionary dolomite, limestone; may be in part Palaeozoic

16 Intermediate volcanic rocks, minor porphyritic syenite

15 Sandstone, grit, pebbly sandstone

14 Conglomerate; 14a, probably intraformational in sandstone (15)

GOULBURN GROUP (12, 13)

13 Quartzite, cobble-quartzite, conglomerate; 12a, quartzite and minor conglomerate, possibly of Dubawnt age

12 Quartzite, argillite and slate, some limestone; 12a, with many sills of diorite (18a)

GREAT SLAVE GROUP (11)

11 Dolomite, dolomite breccia

10 Granite and allied rocks, in large part massive and free of inclusions; 10a, massive granite; 10b, biotite granite; 10c, hornblende quartz diorite

7 Mixed gneisses; sedimentary or volcanic gneisses intruded by much granite and/or granitized

ARCHAIC AND/OR EARLY PROTEROZOIC

NONAGIO GROUP (5)

5 Impure quartzite and greywacke, phyllite and schist, conglomerate

HURWITZ GROUP (4)

4 Quartzite. Age relative to 3, 5 and 8 unknown

YELLOWKNIFE GROUP (1-3)

3 Impure quartzite and greywacke, nodular quartzite schist, minor phyllite; 2a, relatively massive, impure quartzite

2 Porphyritic quartz (silex) schist, rhyolite, agglomerate

1 Gneiss, amphibole schist; 1a, gneiss of uncertain age

6 Gneiss, schist and granulite derived from sedimentary and volcanic rocks of Archaean and/or early Proterozoic age, commonly with some granitic material; 6a, gneisses probably derived from Yellowknife group

A Diorite and gabbro; minor anorthosite and hornblende

B Biotite-hornblende diorite; may be younger than 19

Geological boundary (defined, approximate)
 Bedding (horizontal, inclined, vertical, overturned, dip unknown)
 Schistosity (inclined, vertical, dip unknown)
 Jointing (sub-horizontal)
 Fault (approximate, assumed; S, shear zone)
 Anticlinal axis (position approximate)
 Synclinal axis (position approximate)
 Mineral occurrence or prospect Au

SYMBOLS FOR METALS OR MINERALS

Gold Au Pyrite Py
 Iron oxide (gossan) Fe Pyrrhotite Po

Geology by G. M. Wright, J. W. Hodley, J. A. Fraser
 R. E. Kite, and B. G. Craig, 1955.

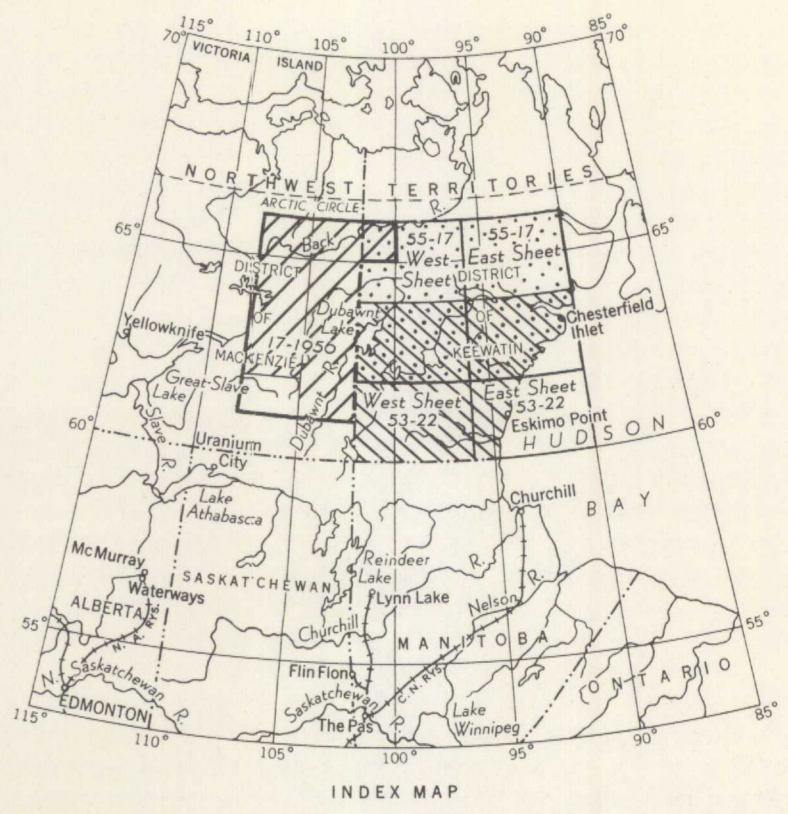
Geological compilation by G. M. Wright, 1956.

District boundary
 Boundary of Thelon Game Sanctuary (Revised 1956)
 Fall and rapid
 Marsh
 Height in feet above mean sea-level (approximate) 000

Cartography by the Geological Cartography Unit, 1957

Approximate magnetic declination, 26° 15' East

Air photographs covering this map-area may be obtained through the National Air Photographic Library, Topographical Survey, Ottawa, Ontario.



MAP 17-1956
EASTERN DISTRICT
OF MACKENZIE
NORTHWEST TERRITORIES

17-56

GSC/CBC OTTAWA
006 02574804

17-1956

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1956
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