PRELIMINARY SERIES

EASTERN DISTRICT OF MACKENZIE
NORTHWEST TERRITORIES

CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS
GEOLOGICAL SURVEY OF CANADA

MAP 17-1956
TO ACCOMPANY PAPER 56-10

Scale: One Inch to Eight Miles = 1/506,880

8 4 0 8 16 24 Miles

PUBLISHED, 1957

LEGEND

ARCHAEAN AND/OR EARLY PROTEROZOIC

LATE PROTEROZOIC

PALAEOZOIC

ORDOVICIAN
19 Fossiliferous limestone; associated rocks of uncertain origin and age

18 18a, diabasic gabbro; 18b, intermediate to basic dyke rocks; 18c, hornblende diorite and minor gabbro, in part intimately intruded into schist (3)

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; 13a, quartzite and minor conglomerate, possibly of Dubawnt age

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

GREAT SLAVE GROUP (11)
11 Dolomite, dolomite breccia

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

8,9 Granite, granodiorite and allied rocks. 8, in large part gneissic and impure, with many bands of partly assimilated schist, gneiss and amphibolite; stratiform granite gneiss; mylonitic gneisses of granitic composition; in part probably older than 5. 9, massive granitic rocks with few inclusions, within gneissic granites; 9a, complex of syenitic to gabbroic rocks

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

NONACHO GROUP (5)
5 Impure quartzite and greywacke, phyllite and schist, conglomerate

HURWITZ GROUP (4)
4 Quartzite. Age relative to 3, 5 and 8 unknown

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

YELLOWKNIFE GROUP (1-3)
3 Impure quartzite and greywacke, nodular quartz-mica schist, minor phyllite; 3a, relatively massive, impure quartzite

2 Porphyritic (quartz feldspar) felsite, rhyolite, agglomerate

1 Greenstone, amphibole schist; 1a, greenstone of uncertain age

A Diorite and gabbro; minor anorthosite and hornblendite

B Biotite-hornblende diorite; may be younger than 10

Geological boundary (defined, approximate)
Bedding (horizontal, inclined, vertical, overturned, dip unknown)
Bedding (direction of dip known, upper side of bed 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 ... x Au

SYMBOLS FOR METALS OR MINERALS

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

Geology by G.M. Wright, J.W. Hoadley, J.A. Fraser K.E. Eade, 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) ... 1004

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

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MAP 17-1956
EASTERN DISTRICT
OF MACKENZIE
NORTHWEST TERRITORIES

Printed by the Surveys and Mapping Branch

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OOG 02574804
17-1956
G 3401 .C5 1956 G4
c.1 ormsc
17-56
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