

LEGEND

- 29

Diabase dykes, generally quartz diabase, in places granophyric (in part older than Muskox Intrusion)
- MUSKOX INTRUSION (11-28)
- Silicic phases

28

Intrusive breccia

27

Granophyre

26

Mafic granophyre

Gabbroic phases

25

Granophyric gabbro

24

Granophyre-bearing gabbro

23

Anorthositic gabbro

22

Bronzite gabbro and norite

21

Gabbro

20

Olivine gabbro

19

Troctolite

Pyroxenites

18

Orthopyroxenite

17

Websterite

16

Clinopyroxenite

Olivine clinopyroxenite

15

Olivine-rich phases

14

Picrite

13

Feldspathic peridotite

12

Peridotite

11

Dunite

COPPERMINE RIVER SERIES

10

Basalt

HORNBY BAY GROUP (8-9)

9

Dolomite

8

Sandstone; minor conglomerate

BASEMENT COMPLEX (1-7)

Granitic rocks

7

Granite

6

Granodiorite

5

Quartz-biotite-plagioclase gneiss with paragneiss bands

Metavolcanic rocks

4

Silicic volcanic rocks

3

Greenschist, amphibolite

Metasedimentary rocks

2

Paragneiss with granitic bands

1

Quartz-mica schist, quartzite; minor graphitic slate

Heavy border on boxes indicates those formations which appear on this sheet

Drift-covered area . . . . .

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

Location of feeder . . . . .

Limit of geological mapping . . . . .

Bedding (dip known, top of bed unknown) inclined, vertical . . . . .

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

Gneissosity (inclined, vertical, dip unknown) . . . . .

Lineation (axis of minor folds) . . . . .

Primary layering in Muskox intrusion (horizontal, inclined, vertical) . . . . .

Joint (inclined, vertical) . . . . .

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

Syncline (defined) . . . . .

Mineralized horizon, (chromite with disseminated copper-nickel sulphides) defined, assumed . . . . .

Glacial striae (direction of ice-movement known, unknown) . . . . .

Mineral occurrence (copper, Cu; nickel, Ni; lead, Pb) . . . . .

Diamond drill-hole (vertical, inclined) . . . . .

Potassium-Argon age determination in millions of years . . . . .

Geology by C. H. Smith, 1959, 1960

Cartography by the Geological Survey of Canada, 1962

Base-map prepared by the Surveys and Mapping Branch, 1961

Aeromagnetic flight elevation 500 feet above ground level

To accompany Paper 61-25

Geographical names subject to revision

AEROMAGNETIC PROFILE

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MANUSCRIPTS  
UNIT  
APR 2 1962  
C. S. C.

GEOLOGICAL SURVEY OF CANADA  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MAP 36-1961  
SHEET 1  
GEOLOGY  
MUSKOX INTRUSION  
COPPERMINE RIVER AREA  
DISTRICT OF MACKENZIE

Scale: One Inch to 1/2 Mile = 1/31,680 Miles

INDEX MAP

PUBLISHED, 1962  
COPIES OF THIS MAP MAY BE OBTAINED FROM THE  
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