

- LEGEND**
- 29 Diabase dykes, generally quartz diabase, in places granophytic (in part older than Muskox intrusion)
- MUSKOX INTRUSION (11-29)**
- Silicic phases**
- 28 Intrusive breccia
- 27 Granophyre
- 26 Mafic granophyre
- Gabbroic phases**
- 25 Granophyre 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
- 15 Olivine clinopyroxenite
- Olivine-rich phases**
- 14 Pherite
- 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) . . . . .
- Geological boundary interpreted from aeromagnetic data . . . . .
- Location of feeder . . . . .
- Limit of geological mapping . . . . .
- Bolting (dip known, top of bed unknown) inclined, vertical . . . . .
- Schistosity (inclined, vertical, dip unknown) . . . . .
- Gneissosity (inclined, vertical, dip unknown) . . . . .
- Lamination (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



Scale: One inch to 40 Miles

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