

- LEGEND**
- 29 Diabase dykes, generally quartz diabase, in places granophyric (in part older than Muskox intrusion)
- MUSKOX INTRUSION (11-26)**
- 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
- 15 Olivine clinopyroxenite
- Olivine-rich phases**
- 14 Pterite
- 13 Feldspathic peridotite
- 12 Peridotite
- 11 Danite
- 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 areas

Geological boundary (defined, approximate, assumed)

Geological boundary interpreted from aeromagnetic data

Location of feeder

Limit of geological mapping

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

Schistosity (inclined, vertical, dip unknown)

Onicosity (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

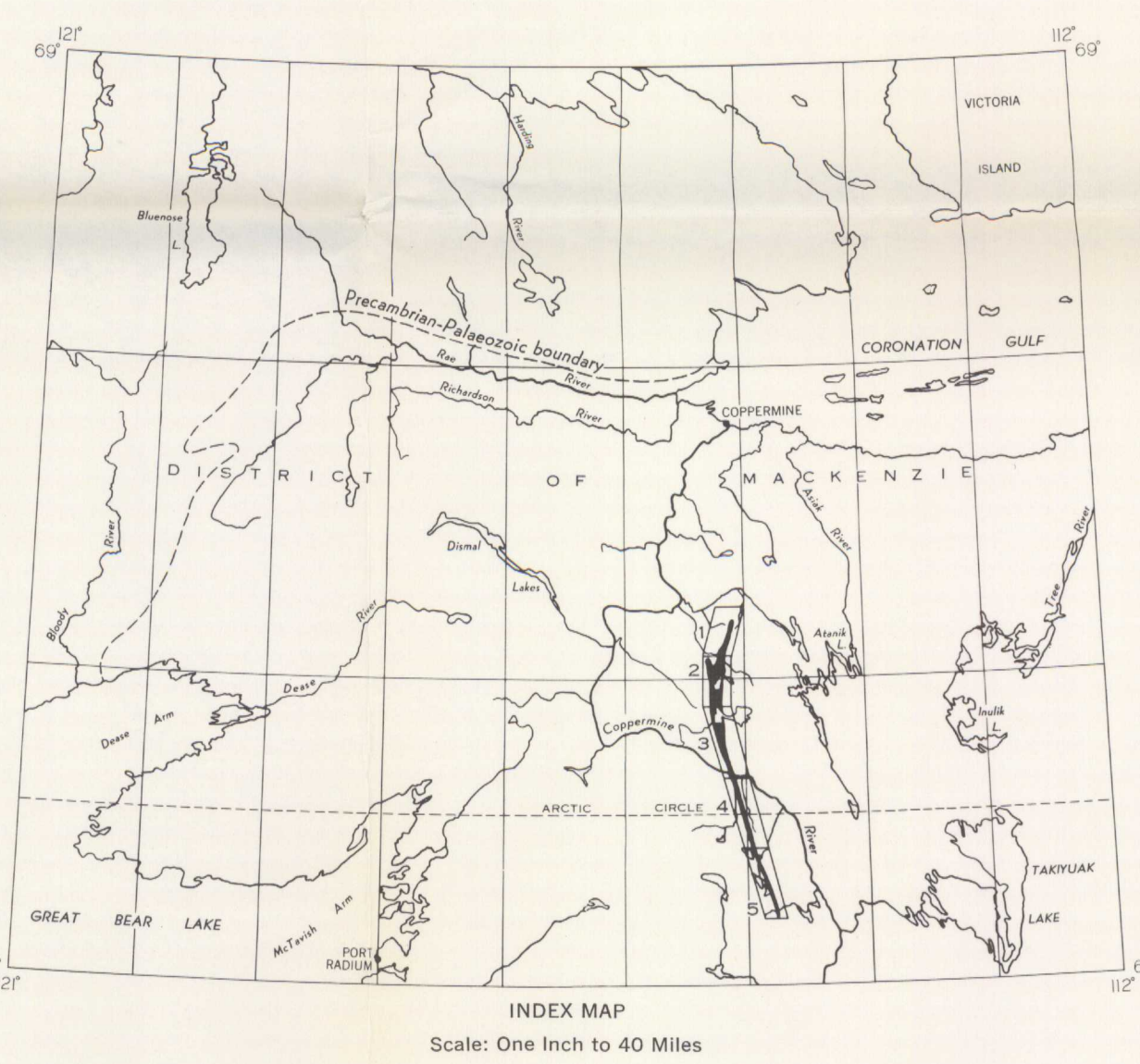
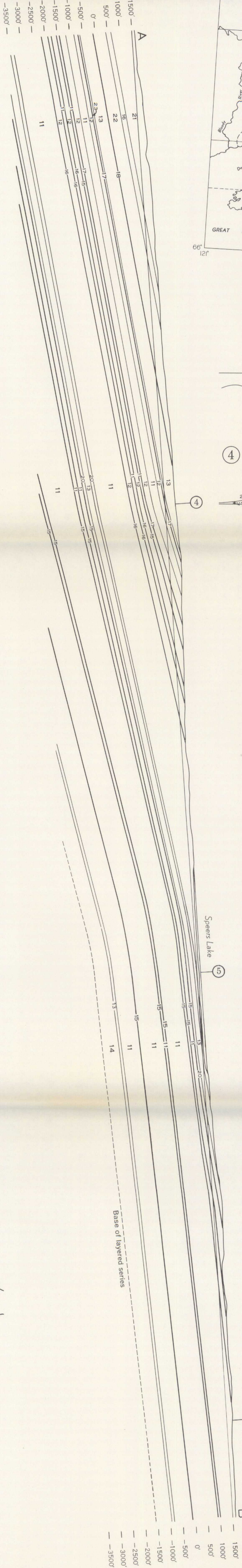
Cartography by the Geological Survey of Canada, 1962

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



GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MAP 36-1961
SHEET 2
GEOLOGY

MUSKOX INTRUSION
COPPERMINE RIVER AREA
DISTRICT OF MACKENZIE

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

