



LEGEND

Note: areas of outcrop are shown by deep colour; inferred extensions are shown by a lighter tint  
Note: this legend is common to maps 1337A, 1338A

- PALEOZOIC**
- LOWER PALEOZOIC, (Undivided)**
- 27 Dolomite
  - 26 Quartz sandstone, conglomeratic sandstone and siltstone
- CAMBRIAN ?**
- HADRYNIAN**
- 25 Dolomite
  - 24 Red and green shales, minor gypsum
  - 23 Sandstone
  - 22 Calcilitites, dololulites
  - 21 Shaly sandstone, siltstone, shale
  - 20 Red and green sandstone, siltstone, mudstone
  - 19 Sandstone, siltstone, shale
- PROTEROZOIC**
- HELIKIAN**
- NEOHELIKIAN**
- 18 COPPERMINE RIVER GROUP (17-18)  
HUSKY CREEK FORMATION: red sandstone and siltstone, intercalated basalt flows
  - 17 COPPER CREEK FORMATION: basalt flows, minor intercalated sandstone
  - 16 DISMAL LAKES GROUP (12-16)  
Laminated dolomite
  - 15 Massive dolomite
  - 14 Laminated dolomite
  - 13 Tan-weathering dolomite, red mudstone
  - 12 Sandstone, intercalated black shale

**F** CORONATION SILLS (and associated dykes): gabbro

**E** Diabase dykes and sills ranging in age from that of the Muskox Complex to the Husky Creek Formation

**PALEOHELIKIAN**

11 HORNBY BAY GROUP (8-11)  
Sandstone, minor conglomerate

10 Sandstones, siltstones, shale

9 Dolomite

8 Sandstone, minor conglomerate

**APHEBIAN**

7 ECHO BAY GROUP (?)  
Porphyritic felsite

6 EPWORTH GROUP (1-6)  
RECLUSE FORMATION: greywacke, shales

5 ROCKNEST FORMATION: dolomite, chert

4 ODJICK FORMATION: sandstones, siltstones, shales

3 Dolomite (correlation of this and following units with above uncertain)

2 Phyllites, metaargillites

1 Pillowed metabasalts

**MUSKOX COMPLEX**

- D Chiefly granophyre
- C Chiefly gabbroic rocks
- B Ultramafic rocks

**A** Granites, of similar age to Echo Bay Group and possibly earlier

- Glacial drift
- Rock outcrop
- Geological boundary (defined, approximate and assumed)
- Unconformity (defined, approximate and assumed)
- Bedding and attitude of strata and sills (horizontal, inclined, vertical, overturned, dip unknown)
- Schistosity (inclined, vertical, dip unknown)
- Fault (defined, approximate, assumed)
- Dyke (defined, interpreted from air photos and aeromagnetic map)
- Anticline (arrow indicates plunge)
- Syncline (arrow indicates plunge)
- Frost-heaved fragments
- Copper prospect 1, 47 Zone, Coppermine River Limited
- 2, June Deposit, Bernac Coppermine Exploration Limited

To accompany GSC Paper 71-39 by W.R.A. Baragar and J.A. Donaldson

Geology by W.R.A. Baragar and J.A. Donaldson, 1969

Geological cartography by the Geological Survey of Canada

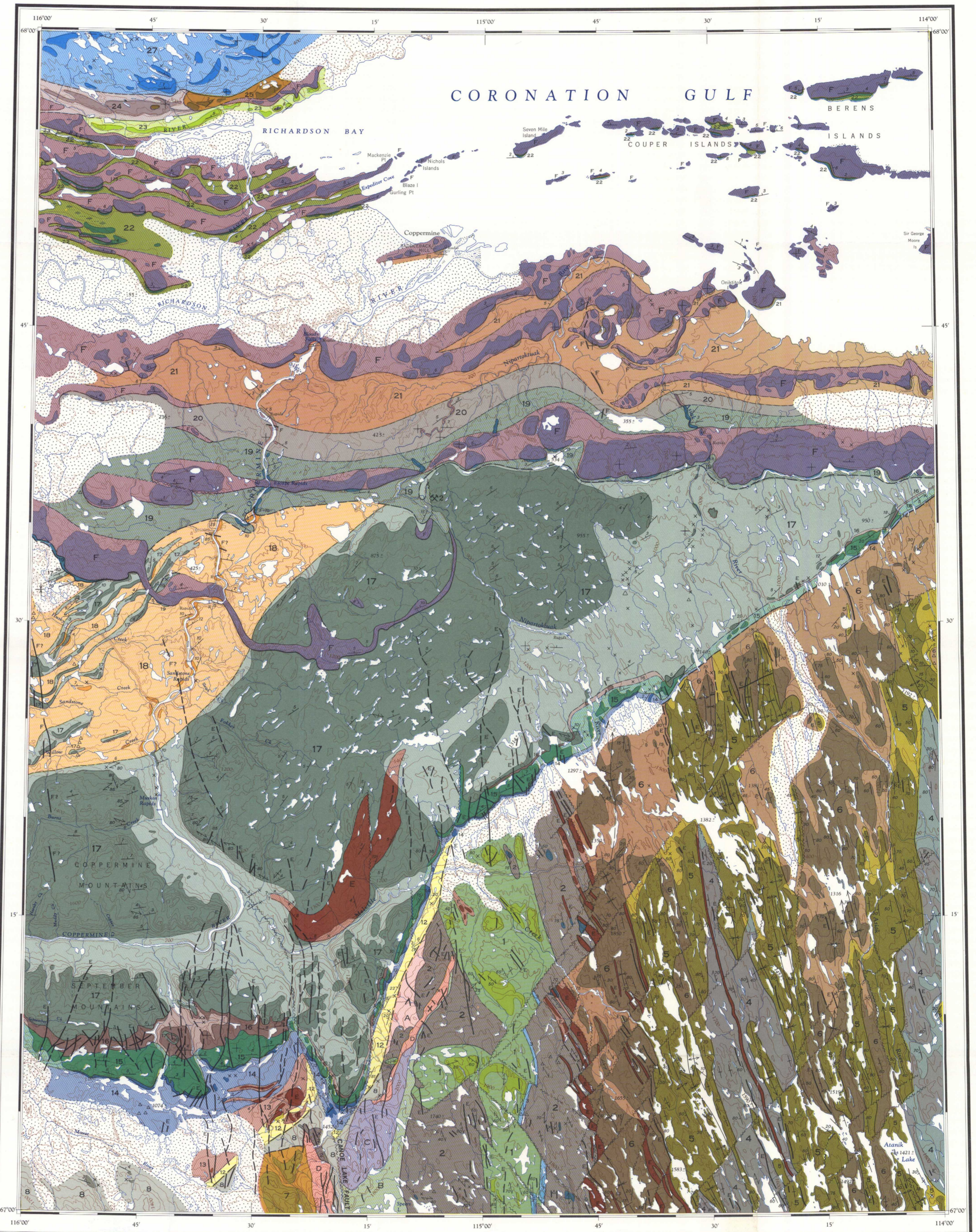
Topographical base-map at the same scale published by the Army Survey Establishment R.C.E., 1965-1964

Copies of the topographical edition of this map may be obtained from the Canada Map Office 615 Booth Street, Ottawa, Ontario, K1A 0E9

Magnetic declination 1971, varies from 41°00' easterly at centre of west edge to 40°15' easterly at centre of east edge. Mean annual change decreasing 12.2'

Elevations in feet above mean sea-level

Note: Islands off the shores of the District of Mackenzie are within the District of Franklin, Northwest Territories



Published: 1973  
Copies of this map may be obtained from the Geological Survey of Canada, Ottawa

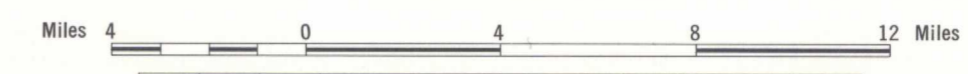


INDEX MAP

MAP 1337A  
PAPER 71-39  
GEOLOGY

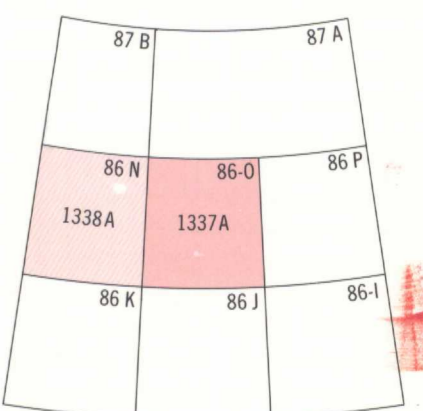
**COPPERMINE**  
DISTRICT OF MACKENZIE

Scale 1:250,000



Universal Transverse Mercator Projection  
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