GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

LEGEND

CENOZOIC

QUATERNARY
PLEISTOCENE AND RECENT

14 — *Sand, gravel, silt, glacial erratics*

PROTEROZOIC

13 — *Diabase dykes and sheets*

12 — *Granite Complex:* 12a, *mainly massive granite, quartz monzonite, granodiorite and related aplite dykes;* 12b, *coarsely porphyritic rapakivi granite*

11 — *Quartz Monzonite - Granodiorite Complex:* 11a, *mainly quartz monzonite;* 11b, *mainly granodiorite;* 11c, *fine-grained aplitic phases*

10 — *Intrusive Porphyries:* 10a, *feldspar-hornblende porphyry;* 10b, *rhyolite porphyry*

CAMERON BAY GROUP

9 — 9a, *mainly pebble and cobble conglomerate ferruginous arkose, sandstone, greywacke;* 9b, *porphyritic andesite tuff, argillite;* 9c, *as 9a and 9b but may include members from Echo Bay Group*

ECHO BAY GROUP (1-8)
UPPER DIVISION (6-8)

7 — *Metamorphosed andesite and trachyte with gossans and rubble; tuff, amygdaloidal diabase, flow breccia, minor sediments*

6 — *Mainly porphyritic and amygdaloidal andesite and trachyte; some tuff, quartzite, argillite, conglomerate, agglomerate*

8 — *Undifferentiated Upper Division includes porphyries similar to 10*

5 — *Massive crystalline tuff, appears to postdate Lower Division of Echo Bay Group*

LOWER DIVISION

3 — *Tuff, tuffaceous sediments, breccia, conglomerate, arkose*

2 — *Porphyritic and amygdaloidal andesite and trachyte, fragmental volcanics*

4 — *Undifferentiated Lower Division*

1 — *Banded calcareous and cherty argillite, chert, bedded tuff, quartzite, thin limy beds, conglomerate, agglomerate*

Geological boundary (defined, approximate)
Bedding (horizontal, inclined, vertical)
Fault or shear zone (defined, approximate)
Quartz stock work
Esker (direction of flow unknown)
Trench
Mine (abandoned)
Mineral occurrence ×U
Shaft, winze
Adit
Gossan

MINERALS

Copper ..... Cu *Silver* ..... Ag
Manganese ..... Mn *Uranium* ..... U

Compiled by G. Mursky from unpublished geological maps by J.D. Bateman and A.W. Joliffe (1944), J.B. Thurber (1946), M. Feniak (1947), Y.O. Fortier (1948), D.D. Campbell (1955), G. Mursky (1963), geological maps and reports Eldorado Nuclear Limited (1944-1960) and from published geological maps by C. Riley (1935) and G.M. Furnival (1939).

To accompany GSC Memoir 374 by G. Mursky

Geological cartography by the Geological Survey of Canada

Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Road
Trail or Portage
Horizontal control point
Intermittent stream
Lake, intermittent
Sand bar
Reef or small island
Marsh or swamp

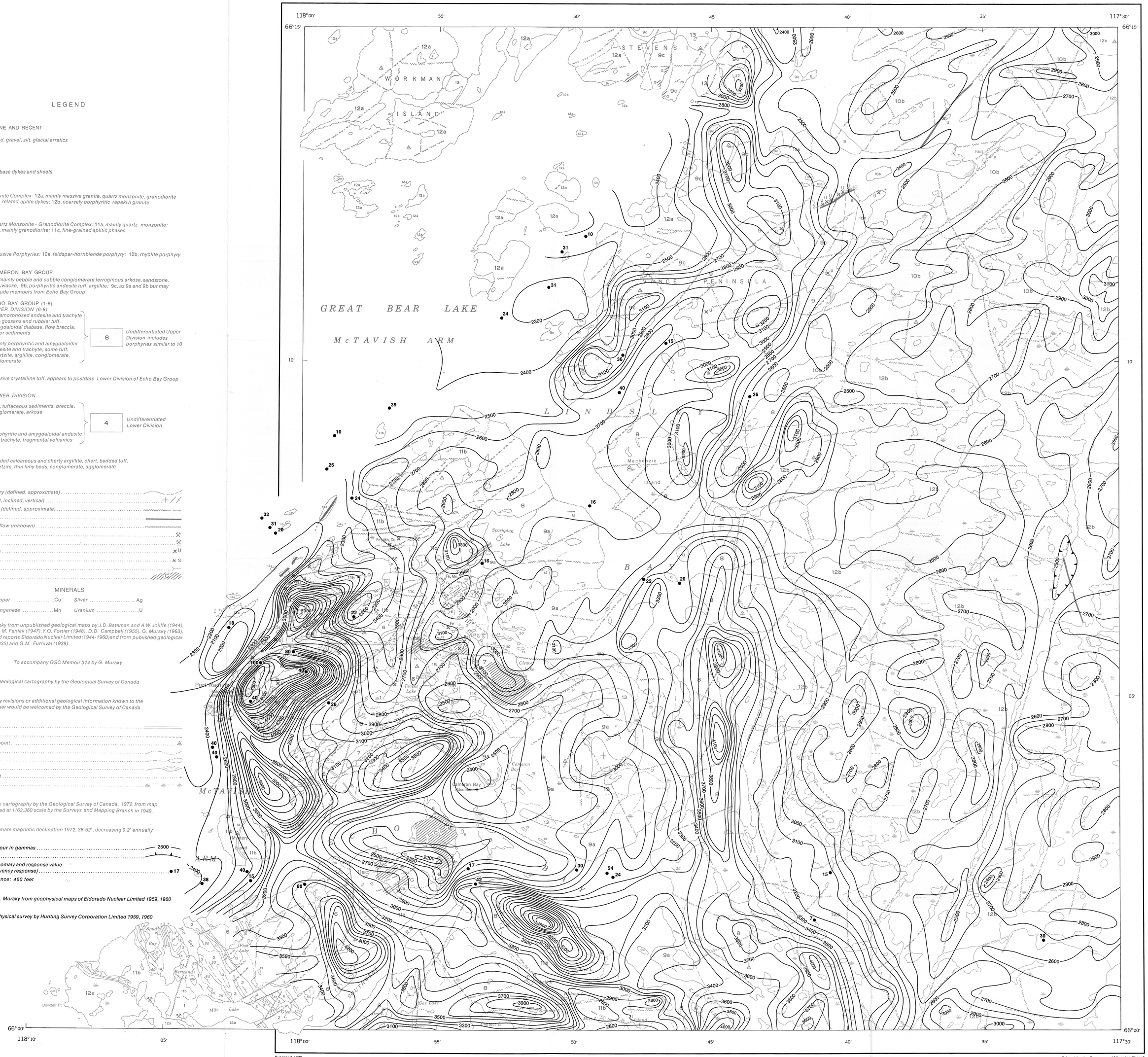
Base-map cartography by the Geological Survey of Canada, 1972 from map published at 1/63,360 scale by the Surveys and Mapping Branch in 1949.

Approximate magnetic declination 1972, 38°52', decreasing 9.2' annually

Aeromagnetic contour in gammas 2500
Depression
Electromagnetic anomaly and response value (ratio x low frequency response) ●17
Mean terrain clearance: 450 feet

Compiled by G. Mursky from geophysical maps of Eldorado Nuclear Limited 1959, 1960

Geophysical survey by Hunting Survey Corporation Limited 1959, 1960



Published, 1973

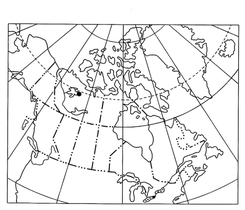
Printed by the Surveys and Mapping Branch

Figure 5. Airborne geophysical map, Port Radium area, District of Mackenzie.

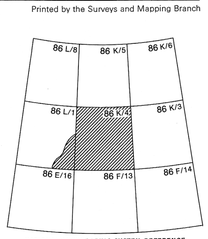
Scale 1:50,000

Miles 1 0 1 2 Miles

Metres 1000 0 1000 2000 3000 Metres



INDEX MAP



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