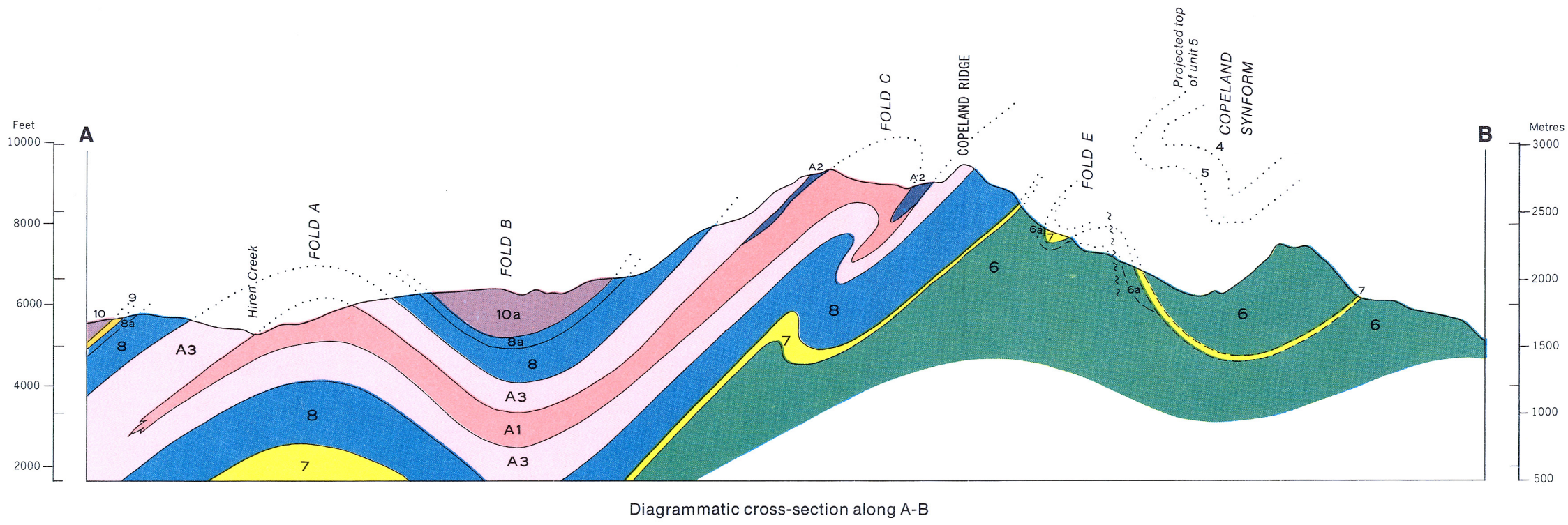




GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES



Diagrammatic cross-section along A-B

LEGEND

- 12 Talus, glacial deposits, recent stream gravels, snow and ice accumulation
- 11 Black to brownish lamprophyre dykes, ocellar in some cases
- 10 10a, biotite schist and gneiss with prominent augen gneiss zones, abundant pegmatite; 10b, porphyroblastic granite gneiss
- 9 Blocky white quartzite containing biotite schist layers
- 8 Purplish quartz-diorite-biotite gneiss with glassy quartz layers, rare marble lenses; 8a, bronzy mica schist with quartzite and calc-silicate layers
- A3 Grey green to white syenite gneiss; A3a, calcareous syenite gneiss; A3b, apfite, commonly as a dyke swarm; A3c, porphyritic syenite gneiss
- A2 Alkaline amphibolite, amphibole-biotite schist, amphibole calcite pegmatite
- A1 Pale pink leucocratic nepheline syenite gneiss; A1a, pegmatitic syenite with nepheline augen; A1b, near-massive homogeneous nepheline syenite; A1c, biotite nepheline syenite poor in nepheline
- 7 Finely banded muscovite quartzite with mica schist intercalations
- 6 6a Green amphibole-pyroxene-biotite gneiss with quartz lenses and layers, intercalated quartzite; 6a, calc-silicate gneiss
- 5 Fine-grained micaceous quartzite and mica schist in lower part, grading to calcareous gneiss, and capped by 5a, marble
- 4 Rusty-red biotite-sillimanite schist with marble lenses
- 3 Grey biotite gneiss and quartzite with melanocratic biotite schist intercalations
- 2 Blocky white quartzite and micaceous quartzite with deformed pebble conglomerate layer near base
- 1 Grey biotite-feldspar-quartz gneiss; migmatite and agmatite, pink granitoid gneisses (core gneisses of gneiss dome)

- Geological boundary (defined, approximate, assumed)
- Gneissosity (inclined, vertical)
- Lineation (inclined)
- Fault (defined, assumed)
- Small structure and sense of movement (inclined, arrow indicates plunge)
- Anticline (approximate)
- Syncline (approximate)
- Anticline and syncline (overtuned)

Geology after J.T. Fyles map in Bulletin 57, British Columbia Dept. of Mines and Petroleum Resources, 1970, with additions and revisions by K.L. Currie, 1969, 1970

To accompany GSC Bulletin 265 by K.L. Currie

Geological cartography by the Geological Survey of Canada

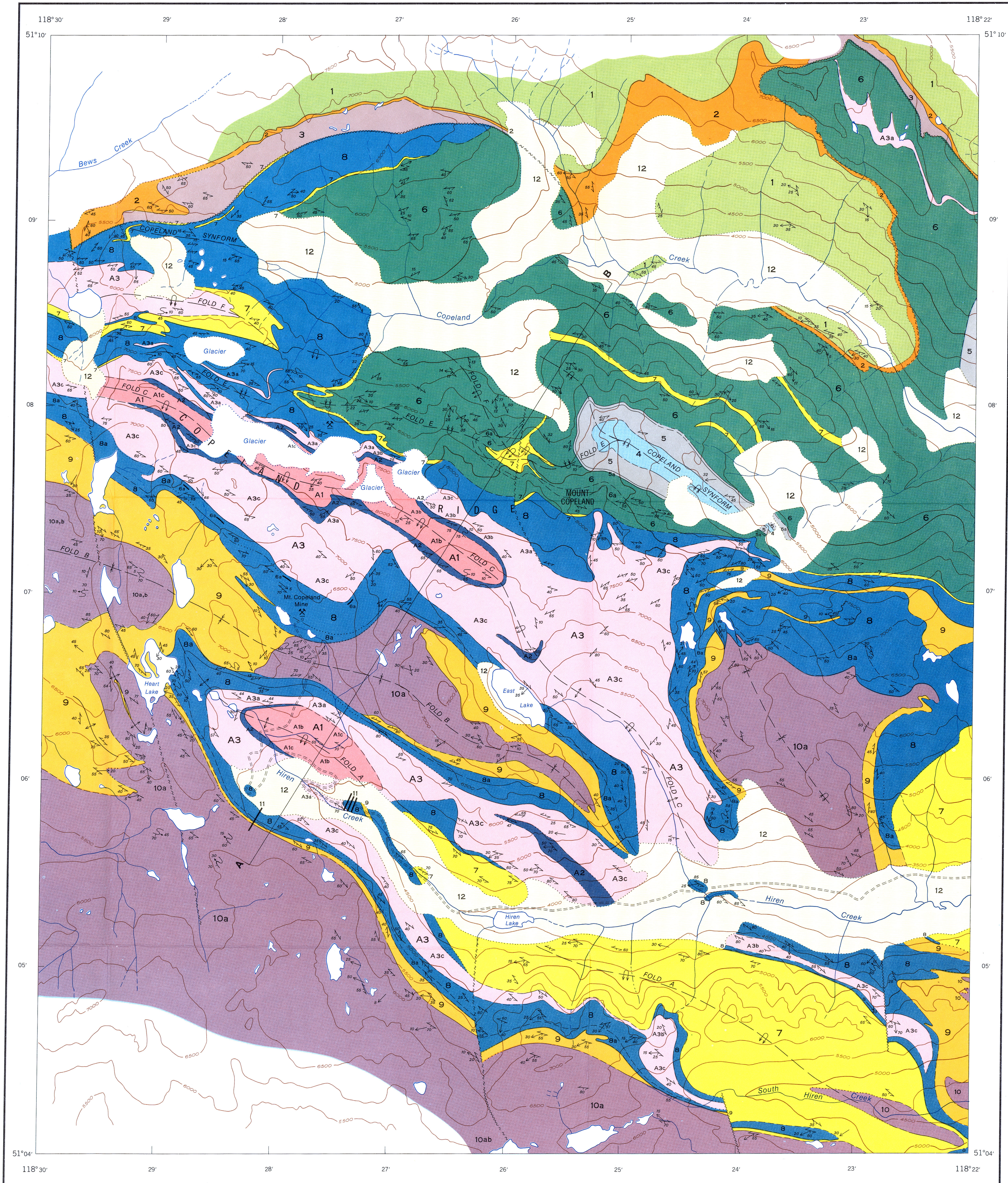
Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

- Road
- Stream
- Intermittent stream
- Approximate stream
- Contours (interval 500 feet)

Base-map cartography by the Geological Survey of Canada from part of Figure 2, Bulletin 57, B.C. Dept. of Mines and Petroleum Resources, 1970 by J.T. Fyles

Approximate magnetic declination 1975, 22° 52' East, decreasing 5.0 annually

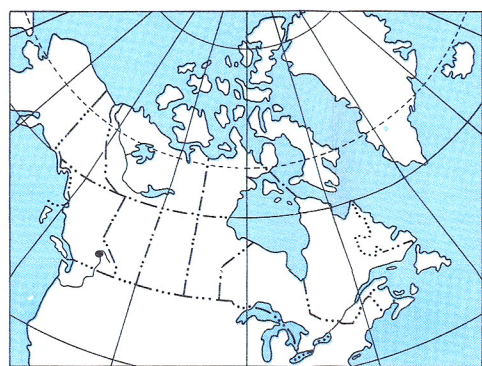
Some names are of local usage, have not been officially approved, and are retained for the convenience of this publication



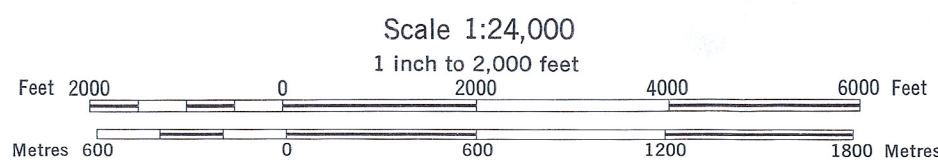
Copies of this map may be obtained from the Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario K1A 0E8, 3303 - 33rd Street N.W., Calgary, Alberta T2L 2A7

Printed by the Surveys and Mapping Branch, 1976

Figure 14. Geological map of the nepheline gneisses near Mount Copeland, British Columbia



INDEX MAP



82 M/7	82 M/8	82 N/5
82 M/2	82 M/1	82 N/4
82 L/15	82 L/16	82 K/13

NATIONAL TOPOGRAPHIC SYSTEM REFERENCE

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