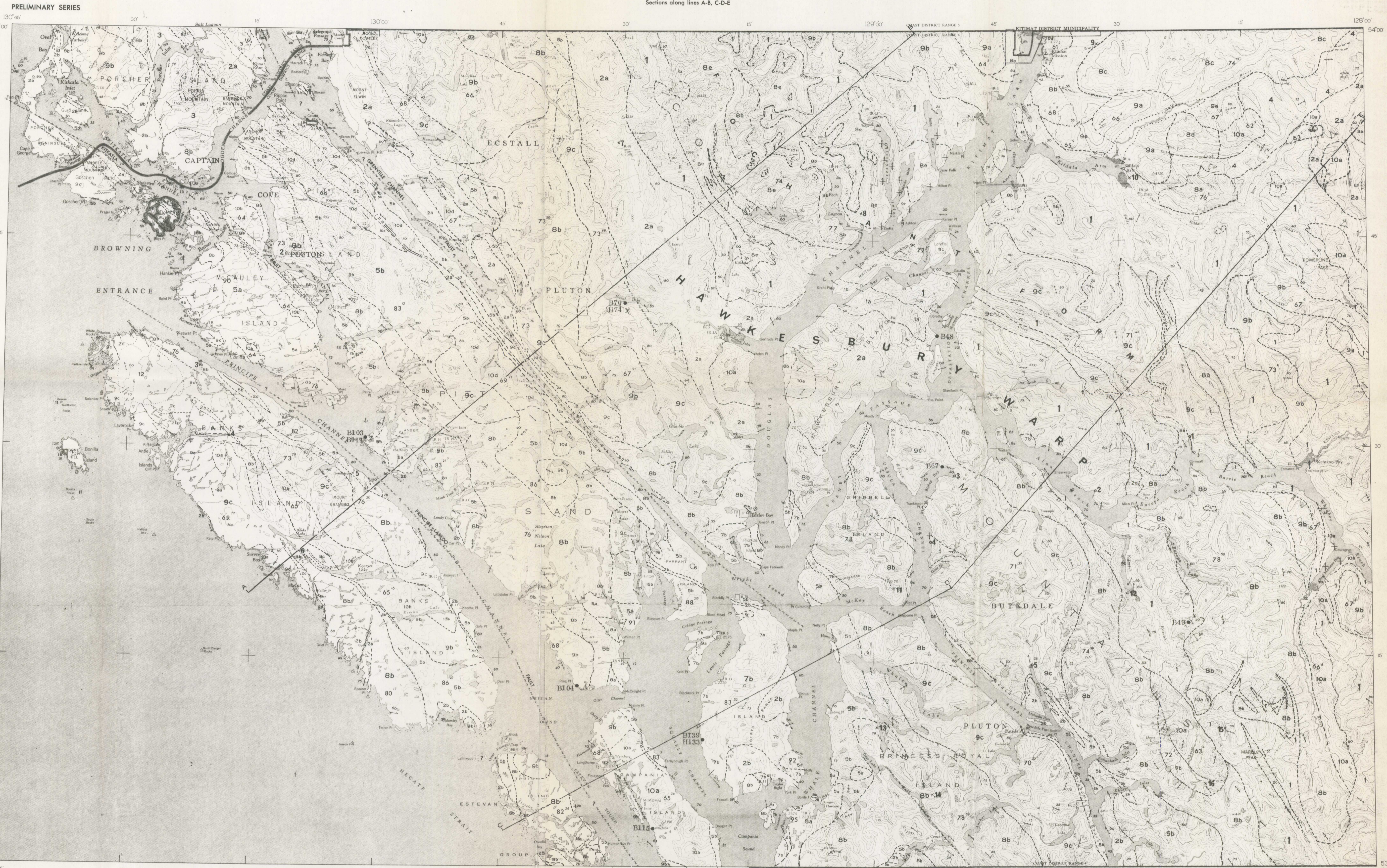


LEGEND

- STRATIFIED ROCKS**
- QUATERNARY**  
12 Alluvium and glacial deposits
- UPPER MIOCENE (?)**  
11 Basalt flows (pillows common)
- JURASSIC**  
4 Greenstone, siliceous tuff, calcareous and micaceous quartzite, breccia, greywacke, argillite, slate
- LOWER JURASSIC (?) OR UPPER TRIASSIC (?)**  
3 Greenstone, chlorite schist
- PERMIAN (?) AND/OR OLDER**  
2 Mainly metasediments: 2a, hornblende-biotite-plagioclase amphibolite and schist; biotite schist (locally garnetiferous); kyanite-staurolite-almandine mica schist, sericite-epidote schist, sillimanite-quartz-plagioclase gneiss, granitic schist; quartzite, crystalline limestone; conglomerate; lit-par-lit gneiss, agmatite and minor granitic rock; 2b, mainly thinly laminated micaceous quartzite; crystalline limestone, skarn, schist; 2c, mainly massive to thick bedded crystalline limestone; 2d, mainly thin bedded crystalline limestone, skarn, intercalated quartzite and schist
- 1** Granitoid gneiss, gneissic quartz diorite, rusty fine grained gneiss and schist, migmatite; minor garnet-sillimanite-biotite schist, crystalline limestone, diopside skarn, garnet-staurolite-kyanite schist; 1a, agmatite
- PLUTONIC ROCKS**  
(Age of formation and intrusion unknown)
- 10a, mainly biotite quartz monzonite; 10b, biotite hornblende quartz monzonite; 10c, leucocratic monzonite or granite; 10d, aplitic, garnetiferous quartz monzonite
- 9 Granodiorite: 9a, biotite only; 9b, biotite hornblende; 9c, hornblende biotite; 9d, sheared granodiorite and gneiss; 9e, fine-grained, even textured granodiorite
- 8 Quartz diorite: 8a, biotite hornblende; 8b, hornblende biotite; 8c, hornblende-chlorite; 8d, hornblende only; 8e, quartz diorite and abundant gneiss
- 7 Diorite: 7a, biotite hornblende; 7b, hornblende and hornblende-biotite
- 6 Gabbro
- 5 Basic complexes: 5a, gabbro-diorite-migmatite complex; 5b, gneissic diorite-migmatite complex



- Geological boundary (approximate or assumed) . . . . .
- Limit of alluvium . . . . .
- Bedding (horizontal, inclined, vertical) . . . . .
- Foliation (horizontal, inclined, vertical, dip unknown) . . . . .
- Anticline . . . . .
- Fault (approximate, assumed) . . . . .
- Specific gravity (2.65 on 16 specimens) . . . . . 68
- Isotope age determination in millions of years (on biotite B, on hornblende H) . . . . . B70 H74
- Thermal springs (reference number used in text) . . . . . 5
- Mineral occurrence . . . . . x12

- INDEX TO MINERAL PROPERTIES**
- Gibson Island (copper, zinc, lead)
  - Rowe Claims (gold)
  - Marble Bay (copper, molybdenum)
  - Kingdown Lake (copper)
  - Donaldson Creek (copper)
  - Hepler Lake Property (gold, silver)
  - Ecstall (gold, silver, copper, zinc)
  - Drum Lummon Mine (copper, silver)
  - Golden Crown Group (copper, gold, silver)
  - Kildala Claims (copper)
  - Empress and Copper Cliff Groups (copper, gold, silver)
  - Payroll Claims (gold, copper)
  - Cordila Group (gold, silver)
  - Surf Inlet Mine (gold, silver, copper)
  - Hunter Group (gold)
  - Western Copper Group (gold, silver)

Geology by J. G. Souther, A. J. Baer and W. W. Hutchison (1963), J. A. Roddick, A. J. Baer and W. W. Hutchison (1965), compiled by J. A. Roddick

To accompany GSC Paper 70-41 by J. A. Roddick

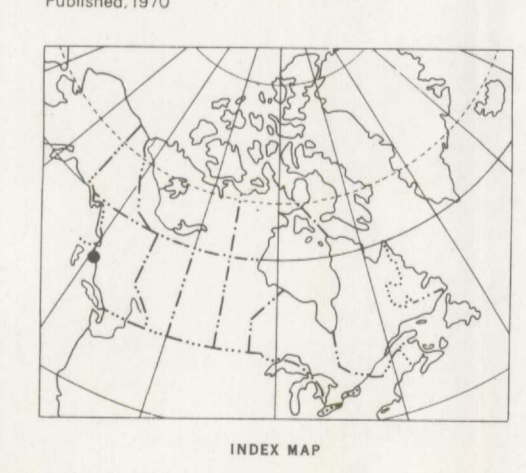
Base-map assembled by the Geological Survey of Canada from maps produced at the same scale by the Survey and Mapping Branch in 1954-60 and by the Army Survey Establishment, R. C. E. in 1964

Copies of the topographical edition of this map may be obtained from the Map Distribution Office, Department of Energy, Mines and Resources, Ottawa

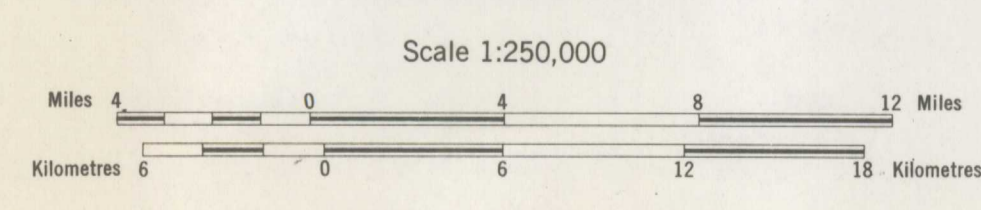
Magnetic declination 1970 varies from 26° 06' easterly at centre of east edge to 26° 07' easterly at centre of west edge. Mean annual change decreasing 2.9'

Elevations in feet above mean sea-level

Geographical names subject to revision



MAP 23-1970  
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103 F 103 A 93 D

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